FINAL

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

(120202, 120204, 120304, 120403, 120604)

Appendices A through G

Prepared for:

United States Environmental Protection Agency, Region 6
Water Quality Protection Division
Permits, Oversight, and TMDL Team
Dallas, TX 75202

Contract No. 68-C-02-108
Task Order No. 95

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March 14, 2008
Revised September 30, 2008

APPENDIX A:
POINT SOURCE DISCHARGE INFORMATION FOR THE MIDDLE TERREBONNE BASIN

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Table A-1. Point source discharge information for BOD_5 for subsegment 120202 in the middle Terrebonne Basin

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LA0042510	002	Lafourche Sugars, LLC FKA A Corp	141 Leighton Quarters Rd; Thibodaux	Bayou Black	1.5 (average)	10 (monthly ave) 15 (daily max)
LA0066486	001	Tesi-Magnolia Park Service	West Bypass Rd; Thibodaux	Bayou Tregre, Terrebonne Lafourche Drainage Canal	0.22 (average)	10 (monthly ave) 15 (weekly ave)
LA0074331	101	Universal Compression, Inc.	120 Cannon Dr.; Houma	Little Black Bayou	0.000282 (average)	45 (weekly ave)
LA0074331	002	Universal Compression, Inc.	120 Cannon Dr.; Houma	Little Black Bayou	0.00016 (average)	45 (weekly ave)
LA0081809	001	Tesi-Plantation/ Leighton	Leighton St; Thibodaux	Terrebonne/ Lafourche Drain Canal	0.12 (average)	10 (monthly ave) 15 (weekly ave)
LAG480528	002	Hydraulic Well Control, Inc.	116 Venture Blvd; Houma	Intracoastal Waterway (ICWW)	0.001 (average)	45 (weekly ave)
LAG480528	003	Hydraulic Well Control, Inc.	116 Venture Blvd; Houma	local drain-B Black-ICWW	0.001 (average)	45 (weekly ave)
LA0095257	001	Service Sanitary Corporation	1851 Hwy 1; Thibodaux	Terrebonne-Lafourche Drainage Canal	0.1307 (average)	10 (monthly ave) 15 (weekly ave)
LA0111236	001	Daneco, Inc.	130 Daneco Ct; Houma	drainage-Hanson Canal-ICWW	0.5 (average)	25 (monthly ave) 40 (daily max)
LAG750496	002	Redfish Rental of Houma, Inc.	3061 Little Bayou Black Dr.; Houma	ditch-Little Bayou Black	0.005 (permit max)	45 (weekly ave)
LAG480103	003	Crosstex Lig Liquids, LLC	5609 Bayou Black Rd; Gibson	Bayou Black	0.00144 (average)	45 (weekly ave)
LAG480103	004	Crosstex Lig Liquids, LLC	5609 Bayou Black Rd; Gibson	Bayou Black	0.00144 (average)	45 (weekly ave)
LAG480134	001	Tetra Technologies, Inc.	103 Capital Blvd; Houma	drainage-Little Black Bayou	0.005 (permit max)	45 (weekly ave)
LAG480272	002	Smith Int'l Inc.	222 Venture Blvd; Houma	ditch-Hansen Canal-Bayou Black	0.00015 (average)	45 (weekly ave)
LAG480317	002	WFS-Liquids Co	4711-A Bayou Black Dr; Gibson	Hanson Canal, Bayou Black	0.0015 (average)	45 (weekly ave)
LAG480563	001	Marine Systems, Inc.	116 Capital Blvd; Houma	Bayou Black	0.0017 (average)	45 (weekly ave)
LAG530072	001	Bellsouth Telecommunications	1429 Tiger Dr; Thibodaux	Bayou Black	0.005 (permit max)	45 (weekly ave)

Table A-1. (continued)

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LAG530268	001	J B Levert Land Company	Hwy 308; Thibodaux	Bayou Lafourche	0.00036 (average) 0.005 (permit max)	45 (weekly ave)
LAG530887	001	Sita, Inc.	1717 St Mary St; Thibodaux	Bayou Lafourche	0.005 (permit max)	45 (weekly ave)
LAG531154	001	Terrebonne Parish Recreation	5575 Bayou Black Dr; Gibson	Bayou Blue	0.005 (permit max)	45 (weekly ave)
LAG531233	001	Williams Field Services Co	144 Horseshoe Rd; Schriever	Bayou Terrebonne	0.0025 (permit max)	45 (weekly ave)
LAG531388	001	Williams Field Svcs Co	4711 Bayou Black Dr; Gibson	Hanson Canal, Bayou Black	0.005 (permit max)	45 (weekly ave)
LAG531451	001	Earl Cato Apartments	136-138 Brunet St; Schriever	Little Bayou Black	0.0008 (average)	45 (weekly ave)
LAG531469	001	Kiva Construction	186 Zimmer Rd; Gibson	Bayou Black	0.005 (permit max)	45 (weekly ave)
LAG531620	001	Circle K #664	292 W Main St; Thibodaux	Terrebonne Lafourche Drainage Canal	0.0009 (average)	45 (weekly ave)
LAG531981	001	Enviro-Lab, Inc.	5527 Hwy 311; Houma	Little Bayou Black	0.0002 (permit max)	45 (weekly ave)
LAG532058	001	Terrebonne Parish Communications District	112 Capital Blvd; Houma	Hanson Canal, Big Bayou Black	0.0015 (average)	45 (weekly ave)
LAG540525	001	Crestview Mobile Home Park	415 LA Hwy 20; Schriever	ditch-drainage canal-Bayou Black	0.005 (permit max)	45 (weekly ave)
LAG540726	001	Terrebonne Ph School-Gibson Elem.	6357 S Bayou Black Dr; Gibson	Big Bayou Black	0.0013 (average) 0.025 (permit max)	30 (monthly ave) 45 (weekly ave)
LAG540737	001	Tesi-Midway Sub	5 Mi N Hwy 1; Thibodaux	Terrebonne-Lafourche Drainage Canal	0.05992 (average) 0.025 (permit max)	30 (monthly ave) 45 (weekly ave)
LAG540846	001	C&J Mobile Home Estates	6062 North Bayou Black Dr; Gibson	Tiger Bayou - Bayou Black - ICWW	0.025 (permit max)	30 (monthly ave) 45 (weekly ave)
LAG540934	001	Mcdonald Sanitation Svc Inc	1132 Hwy 3185; Thibodaux	Terrebonne Lafourche Drainage Canal	0.00144 (average) 0.025 (permit max)	30 (monthly ave) 45 (weekly ave)
LAG541104	001	McDonald & Robichaux, Inc.	1809 Hwy 3185; Thibodaux	Terrebonne Lafourche Drainage Canal	0.00831 (average)	30 (monthly ave) 45 (weekly ave)

Table A-1. (continued)

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LAG541158	001	L&B Enterprises of Assumption	458 S Holly Rd; Labadieville	Bayou Black	0.00126 (average) 0.025 (permit max)	30 (monthly ave) 45 (weekly ave)
LAG541223	001	Circle G Mobile Home Park	1825 Bull Run Rd; Schriever	Bayou Black	0.025 (permit max)	30 (monthly ave) 45 (weekly ave)
LAG541317	001	Mandalay Manor Trailer Park	End of Linda Lee Ct; Houma	Hanson Canal, Bayou Blue	0.015 (permit max)	30 (monthly ave) 45 (weekly ave)
LAG560080	001	Harvest Cathedral Ministries	6045 Bayou Black Dr; Gibson	Bayou Black	0.02782 (average) 0.05 (permit max)	20 (monthly ave) 30 (weekly ave)
LAG560135	001	Terrebonne Par Consolidated Govt	Hwy 311, 1.5 M W of Hwy 24; Levytown	Ditch-Ouiski Bayou	0.0249602 5 (average) 0.05 (permit max)	20 (monthly ave) 30 (weekly ave)
LAG560174	001	Schexnayder Properties, LLC	5571 Bayou Black Dr; Gibson	Ditch-Swamp-Shell Canal-ICWW	0.03 (permit max)	20 (monthly ave) 30 (weekly ave)
LAG560175	001	Tesi-Acadian Villa	311 Gloria St; Thibodaux	Terrebonne/ Lafourche Drainage Canal	0.04625 (average)	20 (monthly ave) 30 (weekly ave)
LAG560197	001	Terrebonne Par Cons-Gibson Jar	Jarvis St N of Parish Rd #15; Gibson	Bayou Black	0.03 (average)	20 (monthly ave) 30 (weekly ave)
LAG560224	001	Tesi-Country Hollow	Main Project Rd & Bunny Ln; Schriever	Bayou Black	0.584 (average)	20 (monthly ave) 30 (weekly ave)
LAG570035	001	Lafourche Ph Sewer Dist #4	115 Ridgeway Dr; Thibodaux	Canal-Terrebonne/ Lafourche-Bay Black	0.078 (average)	10 (monthly ave) 15 (weekly ave)
LAG570091	001	Thoroughbred Park Subdivision	Hwy 1; Thibodaux	B Cutoff Company Canal-ICWW	0.0504 (average)	10 (monthly ave) 15 (weekly ave)
LAG570155	001	Lakes of Terrebonne, LLC, The	LA Hwy 311; Houma	Bayou Black	0.0548 (average)	10 (monthly ave) 15 (weekly ave)
LAG570198	001	Tesi- Twelve Cedars Subdivision	LA Hwy 308; Thibodaux	Arpent Canal, Grabd Bayou, Bayou Boeuf	0.0384 (average)	20 (monthly ave) 30 (weekly ave)
LAG750372	002	Hill City Oil Co, Inc.	Hwy 20 & Main Proj Rd; Schriever	Bayou Black	0.005 (permit max)	45 (weekly ave)
LAG750372	003	Hill City Oil Co, Inc.	Hwy 20 & Main Proj Rd; Schriever	Bayou Black	0.025 (permit max)	30 (monthly ave) 45 (weekly ave)
LAG750372	004	Hill City Oil Co, Inc.	Hwy 20 & Main Proj Rd; Schriever	Bayou Black	0.025 (permit max)	45 (daily max)

Table A-2. Point source discharge information for DO for subsegment 120202 in the middle Terrebonne Basin

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	DO (mg/l)
LA0042510	002	Lafourche Sugars, LLC FKA A Corp	141 Leighton Quarters Rd; Thibodaux	Bayou Black	1.5 (average)	4 (monthly ave) 3 (daily max)

Table A-3. Point source discharge information for ammonia for subsegment 120202 in the middle Terrebonne Basin

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	NH3 (mg/l)
LA0111236	001	Daneco, Inc.	130 Daneco Ct; Houma	drainage-Hanson Canal-ICWW	0.5 (average)	20 (monthly ave) 30 (daily max)

Table A-4. Point source discharge information for BOD_5 for subsegment 120204 in the middle Terrebonne Basin

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LA0043966	001	Village of Napoleonville	800 Martin Luther King Dr; Napoleonville	ditch-Godchaux Drainage Canal-Lake Verret	0.3 (average)	10 (monthly ave) 15 (weekly ave)
LA0118818	005.	Browning Oil Company, Inc.	9 Mi Sw of Napoleonville	Lake Verret	0.00155 (average)	45 (weekly ave)
LAG530071	001	Bellsouth Pierre Port-Switching Station	off Hwy 70-End of Curtis St; Pierre Part	ditch-Bayou Gros Bec-Pierre Bayou	0.0001(average)	45 (weekly ave)
LAG531350	001	Pierre Part Store, Inc.	3421 Hwy 70; Pierre Part	Pierre Bay	0.00166 (average)	45 (weekly ave)
LAG531365	001	LA DOTD-Pierre Part Bridge	3266 Hwy 70 S; Pierre Part	Pierre Part Bay	0.00002 (average)	45 (weekly ave)
LAG531584	001	Assumption Parish Police Jury	LA Hwy 400; Napoleonville	Lake Verret	0.004 (average)	45 (weekly ave)
LAG540112	001	Tesi-Seraphim Estates	3948 Hwy 1; Napoleonville	Cancienne Canal-Lake Verret	0.0156 (average)	30 (monthly ave) 45 (daily max)

Table A-4. (continued)

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LAG540140	001	Assumption Ph Police-Violet Str	Hwy 308; Labadieville	Bayou Verret	0.02 (average)	30 (monthly ave) 45 (daily max)
LAG540154	001	Worldwide Environmental Solutions-Kingston's	Hwy 1; Labadieville	unnamed ditch-Grassy Lake	0.018 (average)	30 (monthly ave) 45 (daily max)
LAG540155	001	Worldwide Environmental Solutions - Labadie ES	Hwy 389; Labadieville	unnamed ditch-Grassy Lake	0.0176 (average)	30 (monthly ave) 45 (daily max)
LAG541048	001	Heritage Manor of Napoleonville	252 Hwy 402; Napoleonville	Lake Verret	0.0202 (average)	30 (monthly ave) 45 (daily max)
LAG560026	001	Aucoin's Sewer Util-Bayou Tran	Belle River, off Hwy 70	Lake Verret	0.044 (average)	20 (monthly ave) 30 (daily max)
LAG570240	001	Assumption Ph Police	Georgette St; Labadieville	Marias Canal-Bayou Lafourche-Gulf of Mexico	0.03 (average)	10 (monthly ave) 15 (daily max)

Table A-5. Point source discharge information for ammonia for subsegment 120204 in the middle Terrebonne Basin

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	NH3 (mg/l)
LA0043966	001	Village of Napoleonville	800 Martin Luther King Dr; Napoleonville	ditch-Godchaux Drainage Canal-Lake Verret	0.3 (average)	6.08 (monthly ave) 12.15 (daily max)

Table A-6. Point source discharge information for BOD_5 for subsegment 120304 in the middle Terrebonne Basin

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LAG480081	001	Baker Atlas	2137 Bayou Blue Rd; Houma	ICWW	0.0002 (average)	45 (weekly ave)
LA0089648	008	Bourg Dry Dock & Service Company	136 Dry Dock Rd; Bourg	ICWW	0.0005 (average)	45 (weekly ave)
LA0089648	009	Bourg Dry Dock & Service Company	136 Dry Dock Rd; Bourg	ICWW	0.0005 (average)	45 (weekly ave)
LA0089648	010	Bourg Dry Dock & Service Company	136 Dry Dock Rd; Bourg	ICWW	0.0005 (average)	45 (weekly ave)

Table A-6. (continued)

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LA0096253	001	Bourg Dry Dock & Service Company	1097 E Hwy 182 ; Houma	Intracoastal Canal	0.0002 (average)	45 (weekly ave)
LA0097195	001	Bourg Dry Dock & Service Company	410 South Van Ave; Houma	ICWW	0.00025 (average)	45 (weekly ave)
LA0104868	001	Main Iron Works, LLC	148 Old Ferry Rd; Houma	ICWW	0.0003 (average)	45 (weekly ave)
LA0104868	002A	Main Iron Works, LLC	148 Old Ferry Rd; Houma	ICWW	0.00045 (average)	45 (weekly ave)
LA0104868	002B	Main Iron Works, LLC	148 Old Ferry Rd; Houma	ICWW	0.00045 (average)	45 (weekly ave)
LA0104868	003	Main Iron Works, LLC	148 Old Ferry Rd; Houma	ICWW	0.00045 (average)	45 (weekly ave)
LA0110299	001	PFG Caro	2324 Bayou Blue Rd; Houma	Hollywood Canal	0.01 (permit max)	30 (monthly ave) 45 (weekly ave)
LA0112267	002	Neff Rental, Inc.	390 S Van Ave; Houma	ICWW	0.00035 (average)	45 (weekly ave)
LA0112267	003	Neff Rental, Inc.	390 S Van Ave; Houma	ICWW	0.00035 (average)	45 (weekly ave)
LA0118702	001	Allied Shipyard, Inc.-Larose Facility	310 Ledet Ln; Larose	ICWW	0.0002 (average)	45 (weekly ave)
LA0118702	002	Allied Shipyard, Inc.-Larose Facility	310 Ledet Ln; Larose	ICWW	0.0002 (average)	45 (weekly ave)
LAG110090	002	Huey Stockstill, Inc.-Houma Asphalt Plant Sn 31888	1149 Coteau Rd; Houma	ICWW	0.005 (permit max)	45 (weekly ave)
LAG480216	101	Southern Scrap Recycling-Morgan City, LLC	838 Hwy 182; Houma	ICWW	0.0005 (average)	45 (weekly ave)
LAG480216	103	Southern Scrap Recycling-Morgan City, LLC	838 Hwy 182; Houma	ICWW	0.0005 (average)	45 (weekly ave)

Table A-7. Point source discharge information for BOD_5 for subsegment 120403 in the middle Terrebonne Basin

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LA0107247	001	Global Xray & Testing Corp	Hwy 90 E; Amelia	Bayou Boeuf	0.00012 (average)	45 (weekly ave)
LA0107247	002	Global Xray & Testing Corp	Hwy 90 E; Amelia	Bayou Boeuf	0.00006 (average)	45 (weekly ave)
LAG480218	002	Southern Scrap Recycling Morgan City, LLC	222 S. Railroad Str.; Morgan City	ditch-Bayou Boeuf	0.0015 (average) 0.05 (permit max)	45 (weekly ave)
LAG480218	101	Southern Scrap Recycling Morgan City, LLC	222 S. Railroad Str.; Morgan City	ditch-Bayou Boeuf	0.05 (permit max)	45 (weekly ave)
LAG480257	002	PHI, Inc.	Leeville Field; Fourchon City	Pass Fourchon	0.005 (permit max)	45 (weekly ave)
LAG480270	002	Chet Morrison General Contractor, Inc.-Houma Facility	Bayou Dularge Rd; Houma	ICWW	0.0005 (average)	45 (weekly ave)
LAG480270	003	Chet Morrison General Contractor, Inc.-Houma Facility	Bayou Dularge Rd; Houma	ICWW	0.0005 (average)	45 (weekly ave)
LAG480270	004	Chet Morrison General Contractor, Inc.-Houma Facility	Bayou Dularge Rd; Houma	ICWW	0.0005 (average)	45 (weekly ave)
LAG480317	002	WFA Liquids Company-Bayou Black Treatment Plant	4711 Bayou Black Dr; Gibson	ICWW	0.0015 (average)	45 (weekly ave)

Table A-8. Point source discharge information for BOD_5 for subsegment 120604 in the middle Terrebonne Basin

NPDES permit number	Outfall	Facility name	Location	Receiving water	Flow (mgd)	BOD_5 (mg/L)
LA0084077	001	Bollinger Larose, LLC	1515 Hwy 24; Larose	ICWW	0.0005 (average)	45 (weekly ave)
LA0084077	002	Bollinger Larose, LLC	1515 Hwy 24; Larose	ICWW	0.0005 (average)	45 (weekly ave)
LA0084077	004	Bollinger Larose, LLC	1515 Hwy 24; Larose	ICWW	0.005 (average)	45 (weekly ave)
LAG541539	008	Bollinger Larose, LLC	1515 Hwy 24; Larose	ICWW	0.007 (average)	45 (weekly ave)
LAG530324	001	Lafourche Telephone Co	112 W Tenth St; Larose, Lafourche Parish	unnamed ditch to unnamed canal	0.005 (permit max)	45 (weekly ave)
LAG531493	001	Lebouef Trailer Park	100 T John Court; Houma	Bayou Blue to Bayou Lafourche	0.005 (permit max)	45 (weekly ave)
LAG532034	001	Chiasson Welding Service	116 W 35 St; Cut off	Blue Canal to ICWW	0.001 (average)	45 (weekly ave)
LAG540624	001	Rousse Land Development-Bon Service Shopping Center	LA Hwy 1; Larose, Lafourche Parish	Grand Bayou Canal to Blue Canal	0.025 (permit max)	30 (monthly ave) 45 (weekly ave)

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MONITORING DATA TABLES AND PLOTS

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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.)
120202	114	Bayou Black at Gibson, LA	7/18/06	1640	3	34.2	10.5	417	8.5
					6	31.5	6.7	421	7.9
	339	Bayou Black west of Houma, LA	7/20/06	1347	2	31.4	4.0	392	7.1
	120202-A	Terrebonne-Lafourche Drainage Canal near Greenwood, LA	7/18/06	1752	3	29.7	2.7	263	7.0
					5	29.1	2.1	252	7.1
					9	28.9	1.8	252	7.0
	120202-B	Bayou Black near Oak Forest, LA	7/19/06	1650	3	32.5	6.5	420	7.5
					5	31.8	5.0	420	7.3
	120202-C	Bayou Black near Humphreys, LA	7/19/06	1732	3	32.1	6.7	388	7.2
					5	30.6	2.7	380	7.1
120204	144	Lake Verret at Attakapas Landing near Georgia, LA	7/19/06	750	2	31.7	9.4	340	9.3
	145	Lake Verret near Pierre Part, LA	7/19/06	1011	3	31.2	8.3	359	9.1
					6	30.8	4.9	362	8.9
	120204-A	Bayou Pierre Part near Pierre Part, LA	7/19/06	855	3	30.9	4.6	420	7.5
					8	30.7	4.2	418	7.4
	120204-B	Lake Verret west of Station 145	7/19/06	1020	3	31.0	7.9	374	9.0
					6	30.8	5.2	375	8.8
	120204-C	Lake Verret east of Station 145	7/19/06	957	3	31.3	9.1	351	9.2
					6	31.0	7.1	353	9.0
	120204-D	Godchaux Canal near Lake Verret	7/19/06	930	2	31.9	2.4	572	7.1
	120204-E	Godchaux Canal near Napoleonville	7/19/06	1505	0.4	33.0	3.0	622	7.5
	120204-F	Lake Verret south of Attakapas Landing	7/19/06	1405	2	31.8	7.9	326	9.1
					1.5	32.2	10.1	329	9.2
	120204-G	Bayou Magazille	7/19/06	1336	3	32.7	12.4	414	8.8
					9	31.5	6.5	428	8.0
					17	31.3	7.8	433	4.6
	120204-H	Fourmile Bayou near Lake Verret	7/19/06	1252	3	32.2	5.8	348	8.7
					9	30.9	2.1	352	8.2
					18	30.6	1.6	352	8.1
	120204-I	Fourmile Bayou near Grassy Lake	7/19/06	1220	3	32.9	10.9	339	9.1
					9	31.7	8.4	342	8.8
					18	31.2	8.7	342	6.4
	120204-J	Grassy Lake northeast of middle	7/19/06	1130	1.5	32.3	11.5	337	9.2
	120204-K	Grassy Lake near middle	7/19/06	1115	1.5	31.9	8.3	356	8.9
120304	340	Intracoastal Waterway (ICWW) east of Houma, LA	7/21/06	927	3	31.5	3.8	794	7.3
					9	31.5	3.8	798	7.2
	120304-A	ICWW at Larose, LA	7/21/06	725	3	32.1	4.6	1,401	7.4
	120304-B	ICWW at Houma, LA	7/21/06	1228	3	32.0	4.5	454	7.4
					8	31.9	4.2	456	7.4
					15	21.9	4.0	455	7.3

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.)
120403	120403-A	ICWW between Bayou Chene and Bayou Black	7/18/06	1345	3	32.6	6.8	395	8.6
					9	31.1	3.8	400	8.2
					18	31.0	3.6	399	8.1
	120403-B	Bayou Black near confluence with GIWW south of Lake Bridge, LA	7/18/06	1310	3	32.1	5.7	390	8.6
	120403-C	ICWW east of confluence with Bayou Black S of Lake Bridge, LA	7/18/06	1245	3	31.3	4.2	394	8.4
					9	31.3	4.0	394	8.4
					18	31.2	3.7	395	8.3
	120403-D	ICWW west of Minors Canal	7/20/06	1310	3	32.3	4.6	480	7.1
					10	32.1	3.7	481	7.0
					18	32.0	3.3	478	6.9
	120403-E	Minors Canal north of GIWW	7/20/06	1500	3	32.6	6.1	432	7.3
					6	32.4	5.5	441	7.3
	120403-F	Minors Canal north of GIWW	7/20/06	1515	3	32.6	6.1	440	7.1
					9	32.4	4.7	441	7.1
	120403-G	Bayou Boeuf at Amelia, LA	7/18/06	1515	3	31.8	4.4	394	8.6
					9	31.6	4.4	394	8.5
					18	31.6	4.0	395	8.5
	120403-H	ICWW near lock at Morgan City	7/18/06	1435	3	31.2	6.7	435	8.1
					9	31.1	6.5	433	7.9
					18	31.0	6.1	432	7.9
	120403-I	Bayou Chene near ICWW	7/18/06	1215	3	30.9	4.5	395	8.2
					9	30.7	3.6	397	8.1
					18	30.6	3.2	396	8.0
	120403-J	Houma Navigation Canal near Houma	7/21/06	1213	3	32.1	4.6	480	7.6
					10	31.8	4.1	480	7.4
					18	31.8	3.9	480	7.3
120604	945	Bayou Blue	7/21/06	659	3	31.4	4.9	1,280	7.5
				703	6	31.4	4.8	1,277	7.4

Table B-2. Water quality data from July 2006

Subsegment	Site ID	Date	TSS (mg/L)	Total phos. (mg/L)	Chloro-phyll *a* (µg/L)	TOC (mg/L)	TKN (mg/L)	Ammonia as N (mg/L)	NO_3 + NO_2 N (mg/L)
120202	114	7/18/06	11	0.09	0.029	7.00	0.98	< 0.1	< 0.04
	339	7/20/06	6	0.21	0.025	9.40	0.89	< 0.1	< 0.04
	120202-B	7/18/06	7	0.22	< 0.02	11.00	1.20	< 0.1	0.19
120204	145	7/19/06	26	0.92	0.11	9.30	2.00	< 0.1	< 0.04
	120204-A	7/19/06	34	0.21	0.020	5.50	1.20	< 0.1	1.10
	120204-D	7/19/06	16	0.63	0.074	12.00	1.60	< 0.1	< 0.04
	120204-E	7/19/06	20	0.89	< 0.02	7.10	4.10	0.17	2.10
	120204-F	7/19/06	37	0.66	0.15	11.00	2.80	< 0.1	< 0.04
	120204-G	7/19/06	19	0.26	0.098	6.90	2.50	< 0.1	0.23
	120204-K	7/19/06	32	0.39	0.1	9.00	1.70	< 0.1	< 0.04

Table B-2. (Continued)

Subsegment	Site ID	Date	TSS (mg/L)	Total phos. (mg/L)	Chloro-phyll *a* (µg/L)	TOC (mg/L)	TKN (mg/L)	Ammonia as N (mg/L)	NO_3 + NO_2 N (mg/L)
120304	340	7/21/06	75	0.19	0.027	5.90	1.20	0.12	0.48
	120304-A	7/21/06	48	0.15	0.021	6.60	1.20	0.15	0.27
120403	120403-D	7/20/06	23	0.16	< 0.02	6.90	1.30	< 0.1	0.42
	120403-G-1	7/18/06	36	0.28	0.058	7.90	1.60	< 0.1	0.33
	120403-G-2	7/18/06	35	0.33	0.051	7.70	1.80	< 0.1	0.34
	120403-H	7/18/06	61	0.18	< 0.02	4.80	1.40	< 0.1	1.50
	120403-I	7/18/06	29	0.24	0.066	7.50	1.60	< 0.1	0.39
	120403-J	7/21/06	9	0.13	< 0.02	6.50	0.98	< 0.1	0.42
120604	945	7/21/06	34	0.16	< 0.02	7.70	1.20	< 0.1	0.32
	945-2	7/21/06	28	0.15	< 0.02	7.80	1.20	< 0.1	0.33

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)
120202	114	2.8	3.9	6.0	6.5	-	0.17	6.82
	120202-A	< 2	2.0	3.3	3.5	-	0.17	3.72
120204	145	5.2	8.4	20.0	20.0	-	0.18	22.08
	120204-A	< 2	< 2	3.0	2.5	-	0.60	2.75
	120204-D	3.0	4.4	9.7	13.0	-	0.04	25.90
	120204-E	< 2	< 2	3.3	3.0	3.4	0.60	3.23
	120204-F	7.6	10.0	26.0	28.0	31.0	0.12	32.84
	120204-G	5.0	7.1	17.0	16.0	16.0	0.22	16.83
	120204-K	5.4	6.6	19.0	20.0	-	0.13	23.50
120304	340	< 2	2.5	3.6	3.6	3.7	0.43	3.65
	120304-A	< 2	2.6	3.7	3.7	3.9	0.38	3.80
120403	339	< 2	< 2	< 2	2.7	3.0	0.10	3.29
	120403-G-1	2.4	4.0	7.7	14.0	-	0.04	27.57
	120403-G-2	2.4	3.9	15.0	14.0	-	0.31	15.20
	120403-H	< 2	< 2	2.6	2.2	-	0.60	2.40
	120403-I	2.4	4.2	16.0	13.0	12.0	0.43	13.79
	120403-J	< 2	2.2	3.7	3.5	3.5	0.22	3.67
120604	945	< 2	2.5	3.9	4.0	4.1	0.36	4.04
	945-2	< 2	2.4	3.9	3.9	4.1	0.34	4.02

Table B-4. Summary of Acoustic Doppler Current Profiler data for 120202-A, 114, and 339

Station	120202-A			114			339	
Run	R1	R3	R4	R1	R2	R3	R1	R2
Geometry								
Area (ft^2)	493	466	477	751	706	703	252	244
River width (ft)	76	72	75	202	186	180	81	81
Calculated average depth (ft)	6.5	6.5	6.4	3.7	3.8	3.9	3.1	3.0
Average depth (ft)	6.5			3.8			3.1	

Table B-4. (Continued)

Station	120202-A			114			339	
Run	R1	R3	R4	R1	R2	R3	R1	R2
Flows								
Total discharge (cfs)	17.25	24.75	32.69	214.97	226.43	181.91	-9.46	-8.75
Flow direction (deg)	205.7	205.6	208.2	229.2	221.9	226.5	175.7	129.8
Average flow (cfs)	24.9			207.8			-9.1	

Table B-5. Summary of Acoustic Doppler Current Profiler data for 120204-A, 120204-D, 120204-G

Station	120204-A			120204-D		120204-G	
Run	R1	R2	R3	R1	R2	R1	R2
Geometry							
Area (ft^2)	1,503	1,542	1,522	431	442	3,952	3,973
River width (ft)	259	270	270	159	171	357	362
Calculated average depth (ft)	5.8	5.7	5.6	2.7	2.6	11.1	11.0
Average depth (ft)	5.7			2.6		11.0	
Flows							
Total discharge (cfs)	267.44	257.1	258.73	-9.92	3.41	1,097.5	1,029
Flow direction (deg)	133.3	137.3	135.8	100.2	279.6	129.1	135.8
Average flow (cfs)	261.1			6.7		1,063.2	

Table B-6. Summary of Acoustic Doppler Current Profiler data for 120204-H, 120204-I

Station	120204-H		120204-I		
Run	R1	R2	R1	R2	R3
Geometry					
Area (ft^2)	6,013	6,026	4,110	4,102	4,121
River width (ft)	356	346	285	291	283
Calculated average depth (ft)	16.9	17.4	14.4	14.1	14.6
Average depth (ft)	17.2		14.4		
Flows					
Total discharge (cfs)	-2,228	-2,062	-1,837	-1,894	-1,773
Flow direction (deg)	333.0	335.4	16.2	12.2	16.3
Average flow (cfs)	-2,145.2		-1,834.4		

Table B-7. Summary of Acoustic Doppler Current Profiler data for 120304-A

Station	120304-A		
Run	R1	R2	R3
Geometry			
Area (ft^2)	3,338	3,320	3,370
River width (ft)	260	260	266
Calculated average depth (ft)	12.8	12.8	12.7
Average depth (ft)	12.8		
Flows			
Total discharge (cfs)	-940.4	-677.5	-321.8
Flow direction (deg)	29.1	9.4	34.7
Average flow (cfs)	-646.6		

Table B-8. Summary of Acoustic Doppler Current Profiler data for 120403-A, 120403-B, and 120403-C

Station	120403-A			120403-B		120403-C
Run	R1	R2	R3	R1	R2	R1
Geometry						
Area (ft^2)	318	10,600	10,518	10,591	10,593	6,584
River width (ft)	101	683	706	713	704	572
Calculated average depth (ft)	3.2	15.5	14.9	14.9	15.0	11.5
Average depth (ft)	11.2			15.0		11.5
Flows						
Total discharge (cfs)	60.18	1,196.8	973.06	-294	-141.5	-2,695
Flow direction (deg)	272.3	125.2	111.6	178.5	229.0	75.8
Average flow (cfs)	743.3			203.7		-2,694.7

Table B-9. Summary of Acoustic Doppler Current Profiler data for 120403-D

Station	120403-D						
Run	R1	R2	R3	R4	R5	R6	R7
Geometry							
Area (ft^2)	6,678	6,632	119	34	87	6,304	68
River width (ft)	582	587	47	6	25	457	19
Calculated average depth (ft)	11.5	11.3	2.5	5.3	3.5	13.8	3.7
Average depth (ft)	7.4						
Flows							
Total discharge (cfs)	-937.2	-729.1	-7.5	-1.69	-9.36	925.1	-8.21
Flow direction (deg)	113.1	92.4	153.6	199.8	115.1	87.6	130.8
Average flow (cfs)	-109.7						

Table B-10. Summary of Acoustic Doppler Current Profiler data for 120403-E, 120403-F, 120403-H, and 120403-J

Station	120403E		120403-F			120403-H	120403-J	
Run	R1	R2	R1	R2		R1	R1	R2
Geometry								
Area (ft^2)	496	555	837	801	784	5,749	5,521	5,703
River width (ft)	167	178	177	141	147	618	346	379
Calculated average depth (ft)	3.0	3.1	4.7	5.7	5.3	9.3	15.9	15.0
Average depth (ft)			5.3			9.3	15.5	
Flows								
Total discharge (cfs)	-60.36	-67.2	-178.52	-121.57	-106.84	472.98	-1,878.74	-2,107.37
Flow direction (deg)	342.6	333.6	341.2	324.6	337.5	140.2	320.8	335.6
Average flow (cfs)			-135.6			473.0	-1,993.1	

Table B-11. Summary of Acoustic Doppler Current Profiler data for 945

Station	945	
Run	R1	R2
Geometry		
Area (ft^2)	549	565
River width (ft)	107	107
Calculated average depth (ft)	5.1	5.3
Average depth (ft)	5.2	
Flows		
Total discharge (cfs)	189.41	188.03
Flow direction (deg)	88.5	86.5
Average flow (cfs)	188.7	

Table B-12. Available total nitrite+nitrate data for the middle 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)
120202	114	Black Bayou	3/8/78-2/1/05	197	0.0	1.52	0.22
120202	339	Blacak Bayou	2/4/91-11/16/04	63	0.02	1.05	0.13
120204	144	Lake Verret and Grassy Lake	1/13/87-8/2/05	101	0.01	1.7	0.10
120204	145	Lake Verret and Grassy Lake	1/13/87-12/11/90	47	0.01	0.42	0.06

Table B-13. Available total Kejldahl nitrogen data for the middle Terrebonne Basin

Subsegment	Station	Station name	Period of record	No. of Obs.	TKN minimum (mg/L)	TKN maximum (mg/L)	TKN average (mg/L)
120202	114	Black Bayou	3/8/78-2/1/05	188	0.02	4.47	0.88
120202	339	Blacak Bayou	2/4/91-11/16/04	68	0.39	6.9	0.90
120204	144	Lake Verret and Grassy Lake	1/13/87-8/2/05	101	0.18	4.34	1.35
120204	145	Lake Verret and Grassy Lake	1/13/87-12/11/90	40	0.64	4.83	1.37

Table B-14. Available total phosphorus data for the middle 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)
120202	114	Black Bayou	3/8/78-2/1/05	188	0.01	0.79	0.17
120202	339	Blacak Bayou	2/4/91-11/16/04	68	0.01	0.71	0.18
120204	144	Lake Verret and Grassy Lake	1/13/87-8/2/05	100	0.07	0.97	0.22
120204	145	Lake Verret and Grassy Lake	1/13/87-12/11/90	40	0.06	0.86	0.24

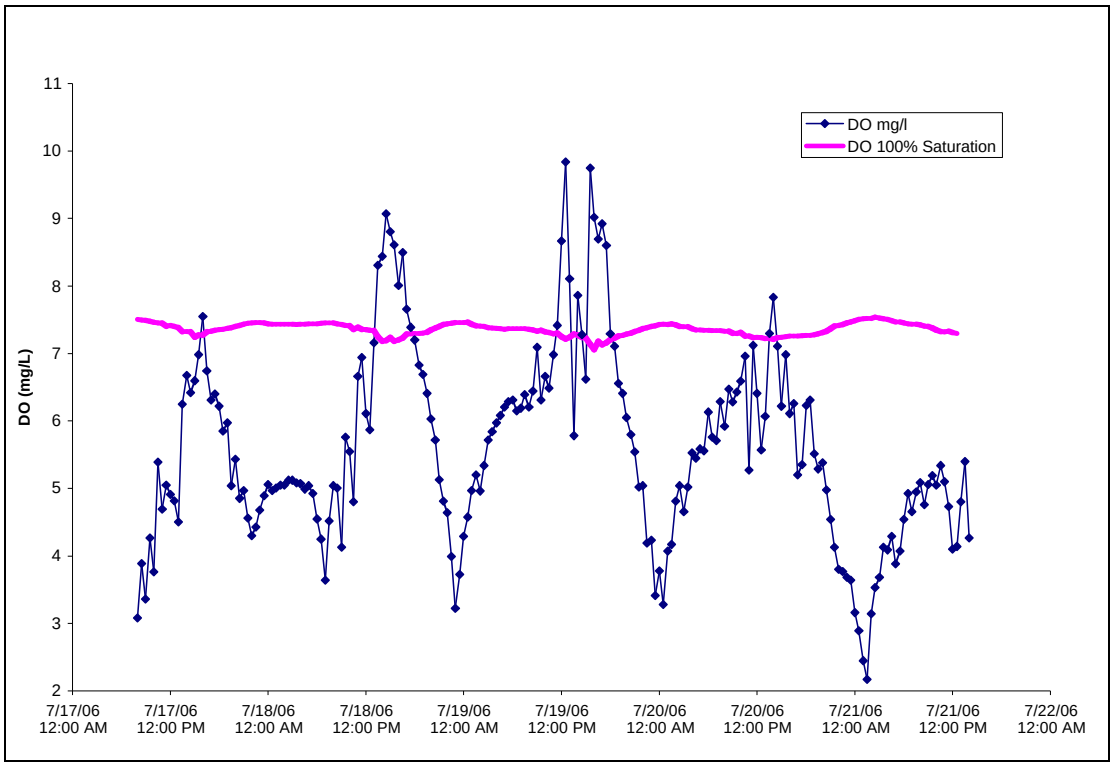

Figure B-1. Continuous monitoring data observed at Bayou Black at Gibson, LA (LDEQ 114).

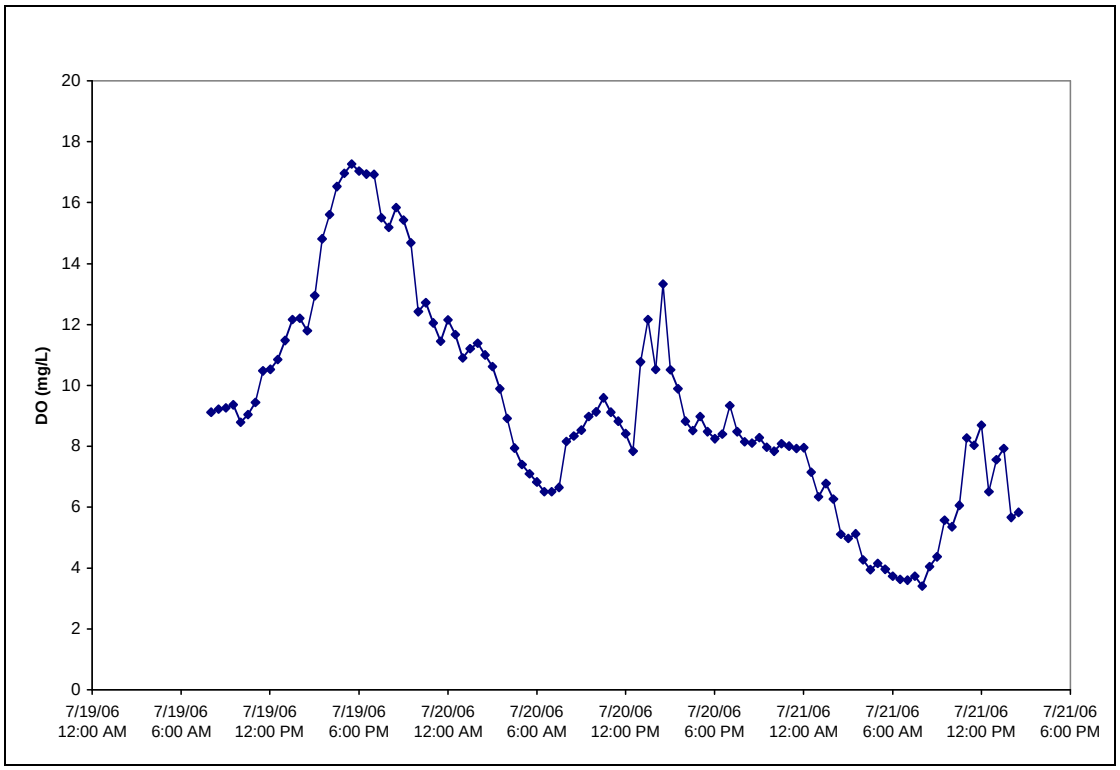

Figure B-2. Continuous monitoring data observed at Lake Verret at Attakapas Landing near Georgia (LDEQ 144).

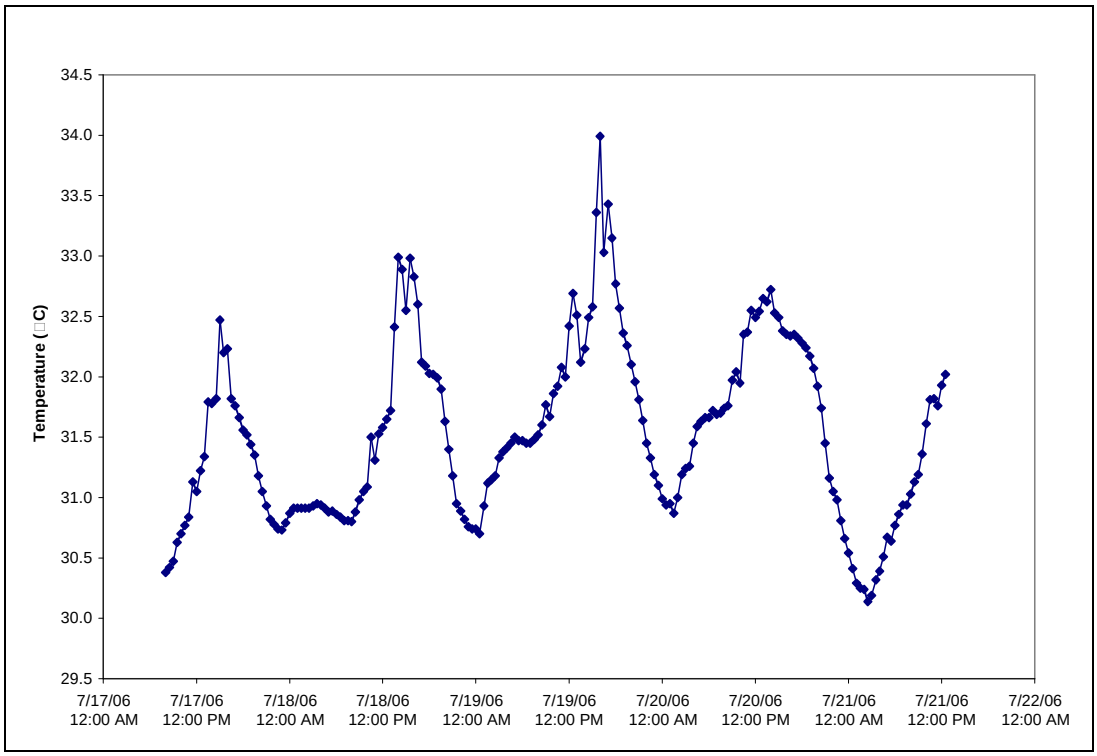

Figure B-3. Continuous temperature for middle Terrebonne Basin at station 114.

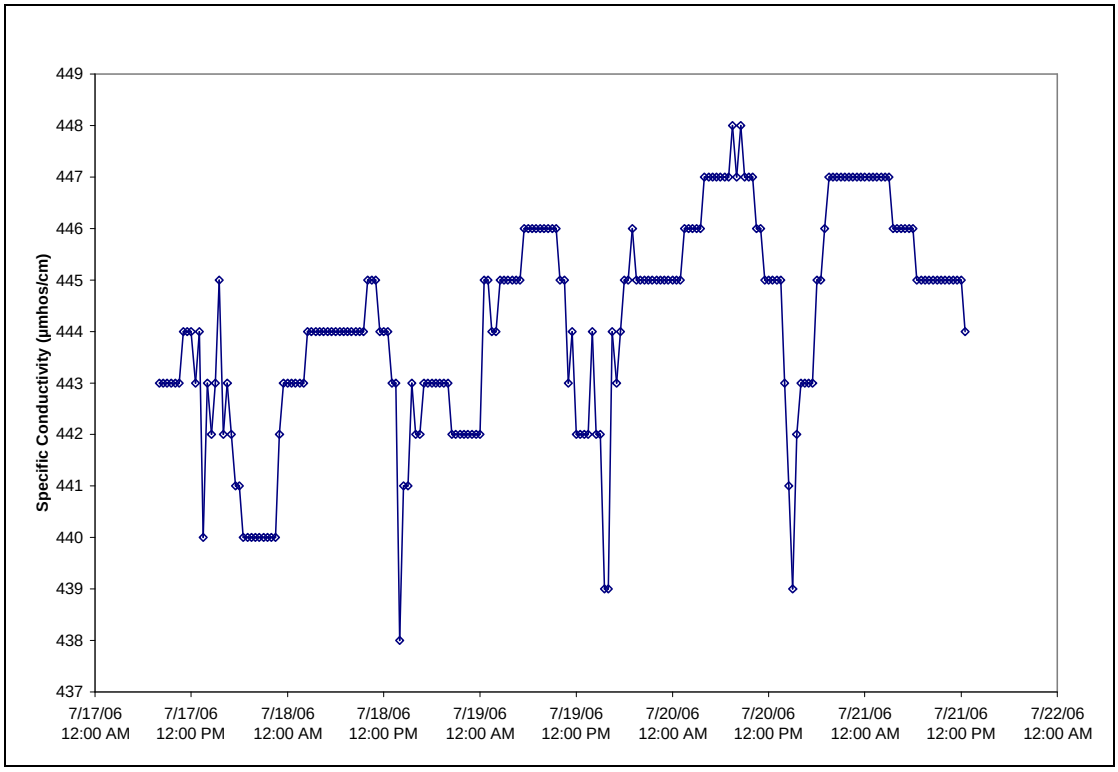

Figure B-4. Continuous specific conductivity for middle Terrebonne Basin at station 114.

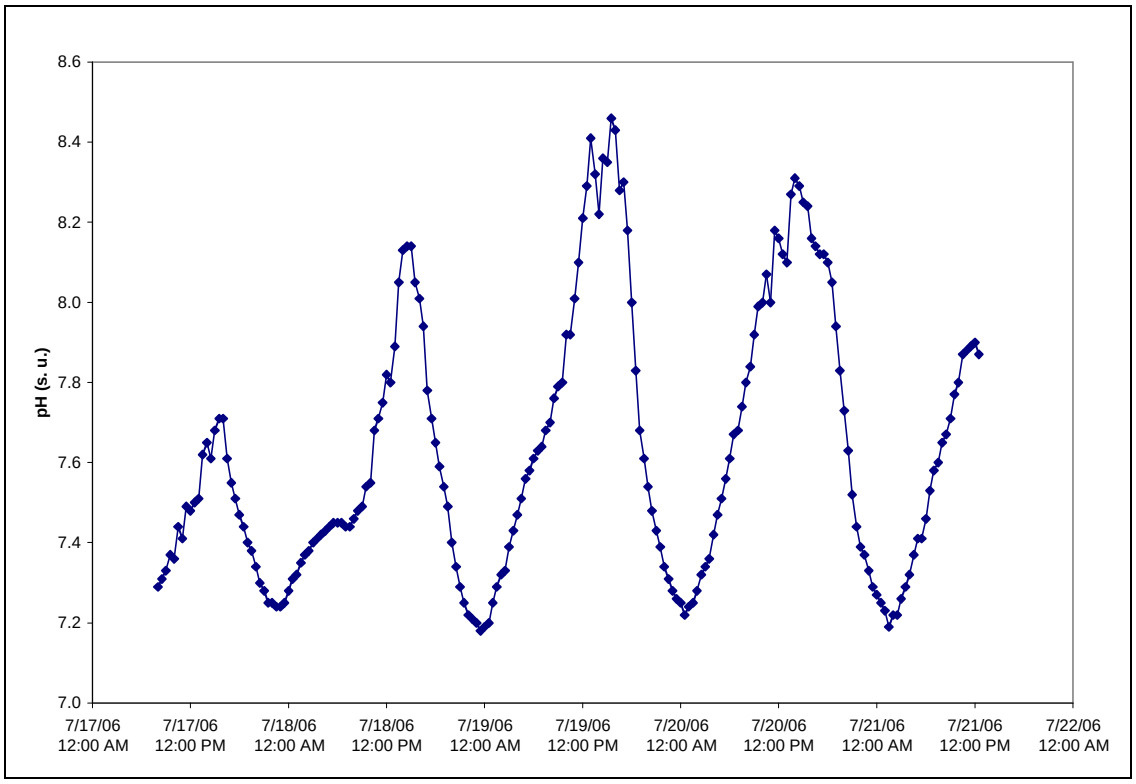

Figure B-5. Continuous pH for middle Terrebonne Basin at station 114.

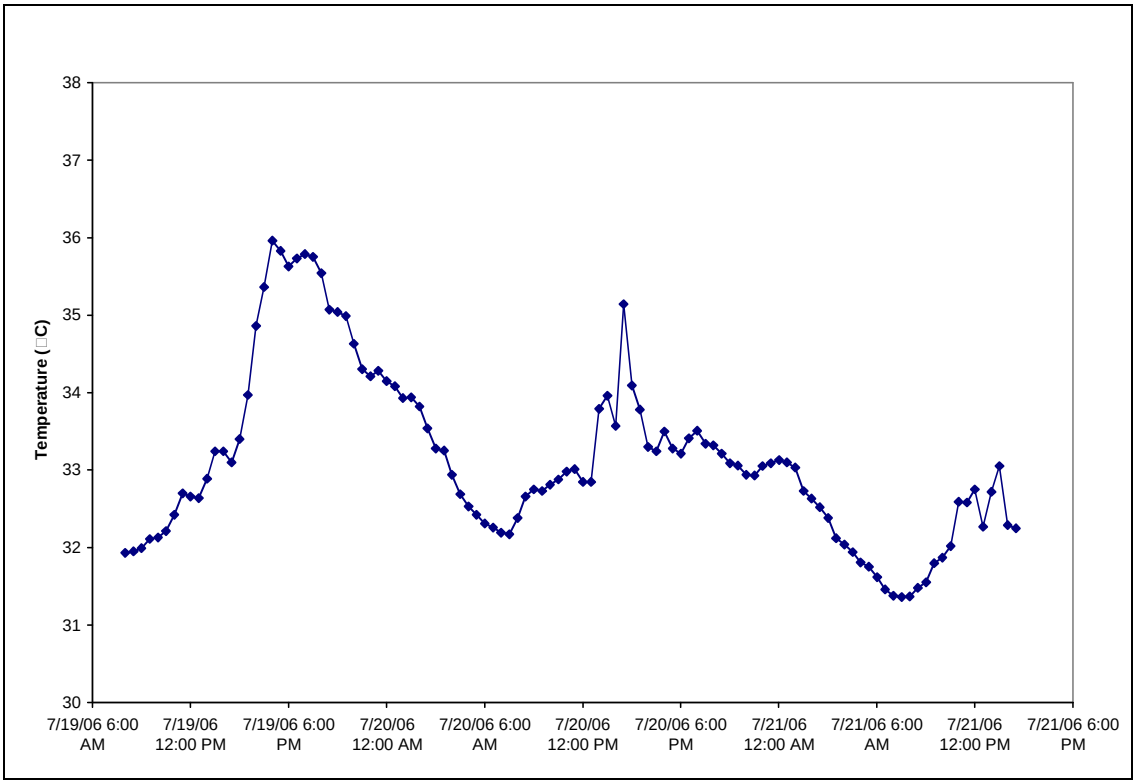

Figure B-6. Continuous temperature for middle Terrebonne at station 144.

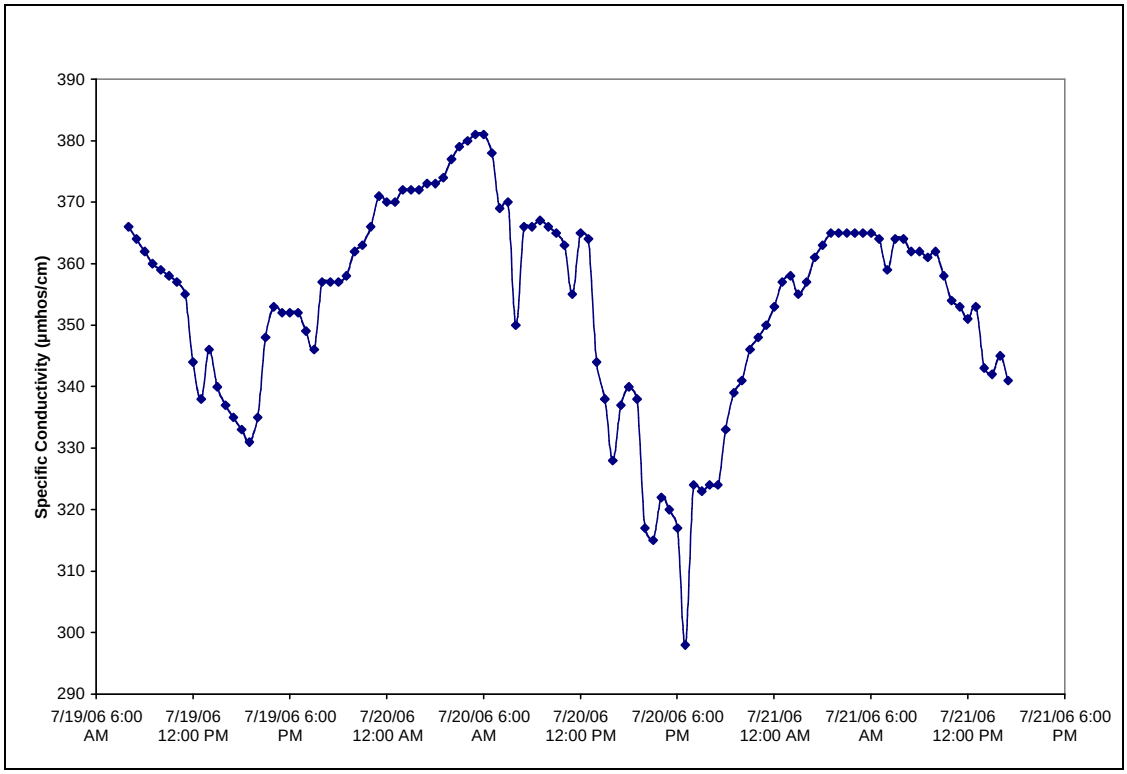

Figure B-7. Continuous specific conductivity for middle Terrebonne at station 144.

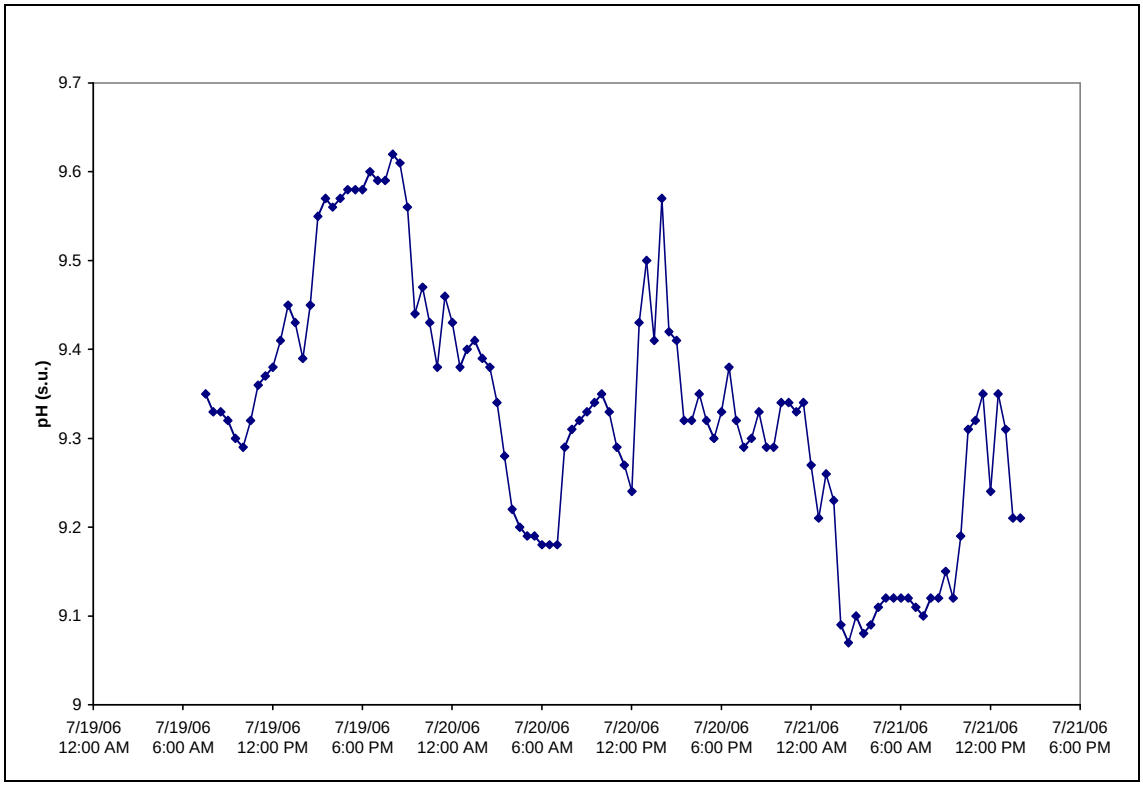

Figure B-8. Continuous pH for middle Terrebonne Basin at station 144.

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 120202. 2
Figure D-2. Vector diagram for subsegment 120204. 3
Figure D-3. Vector diagram for subsegment 120304. 4
Figure D-4. Vector diagram for subsegment 120403. 5
Figure D-5. Vector diagram for subsegment 120604. 6
Figure D-6. Connectivity diagram for subsegments 120202, 120304, and 120403. 7

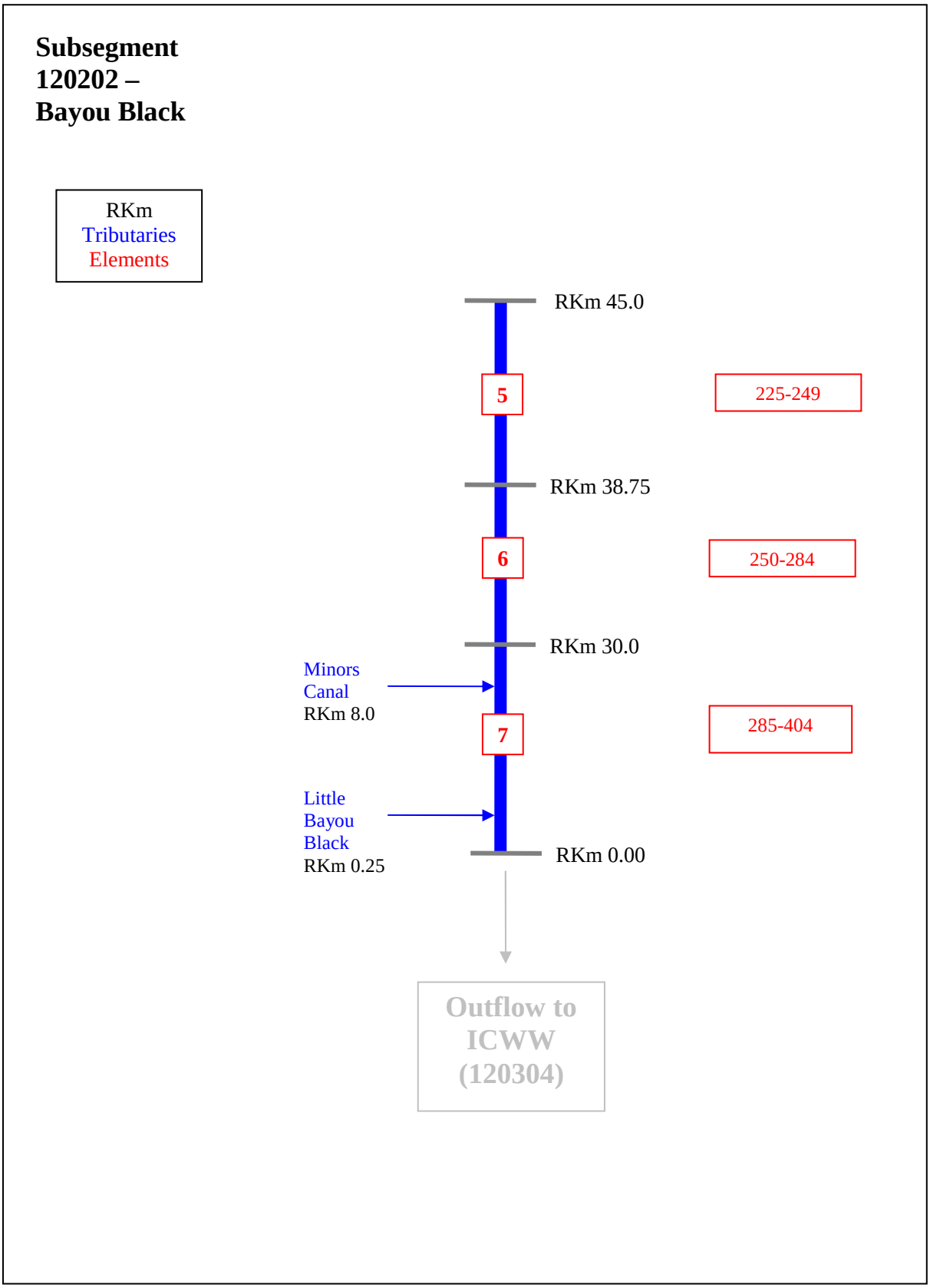

Figure D-1. Vector diagram for subsegment 120202.

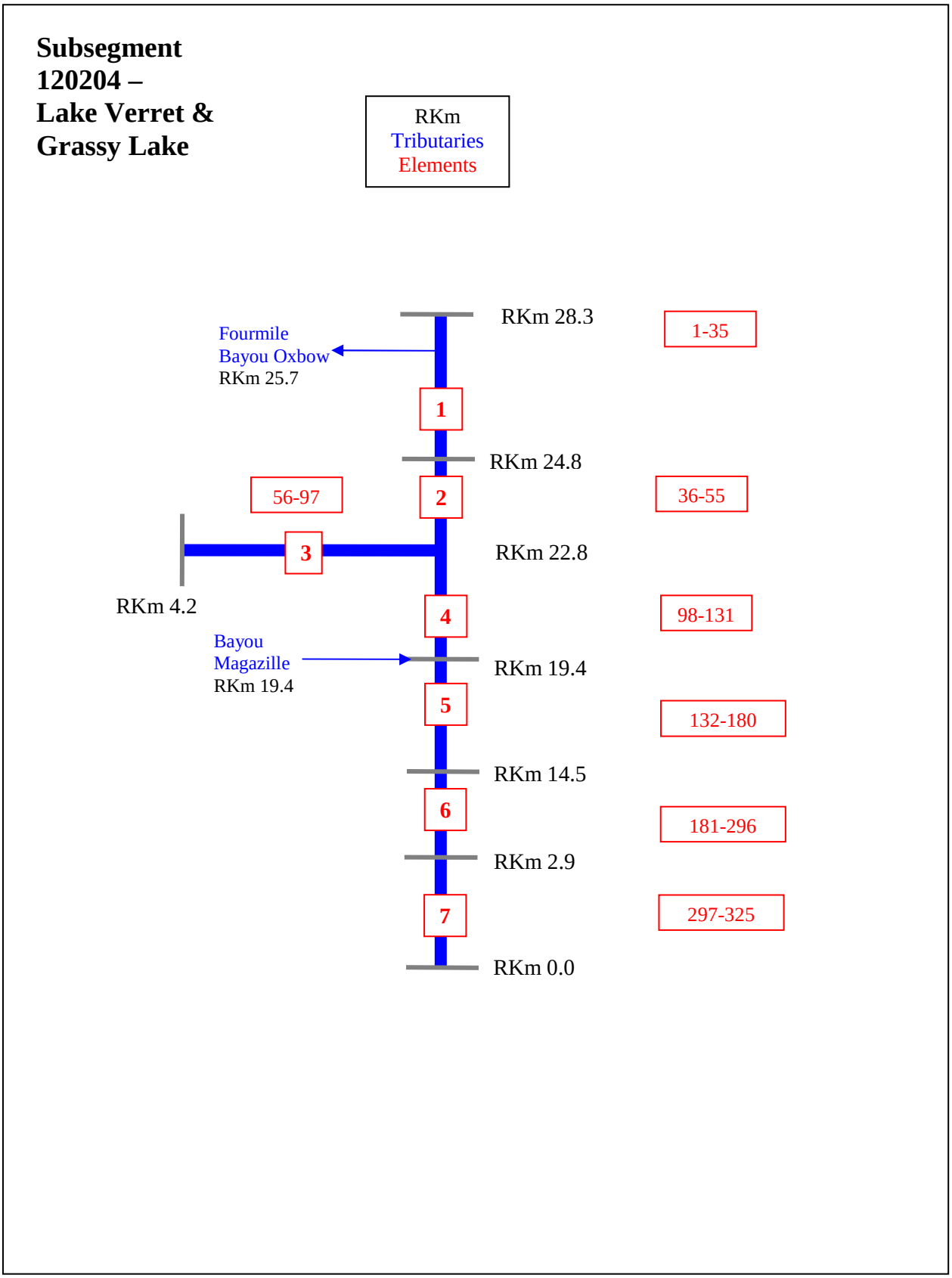

Figure D-2. Vector diagram for subsegment 120204.

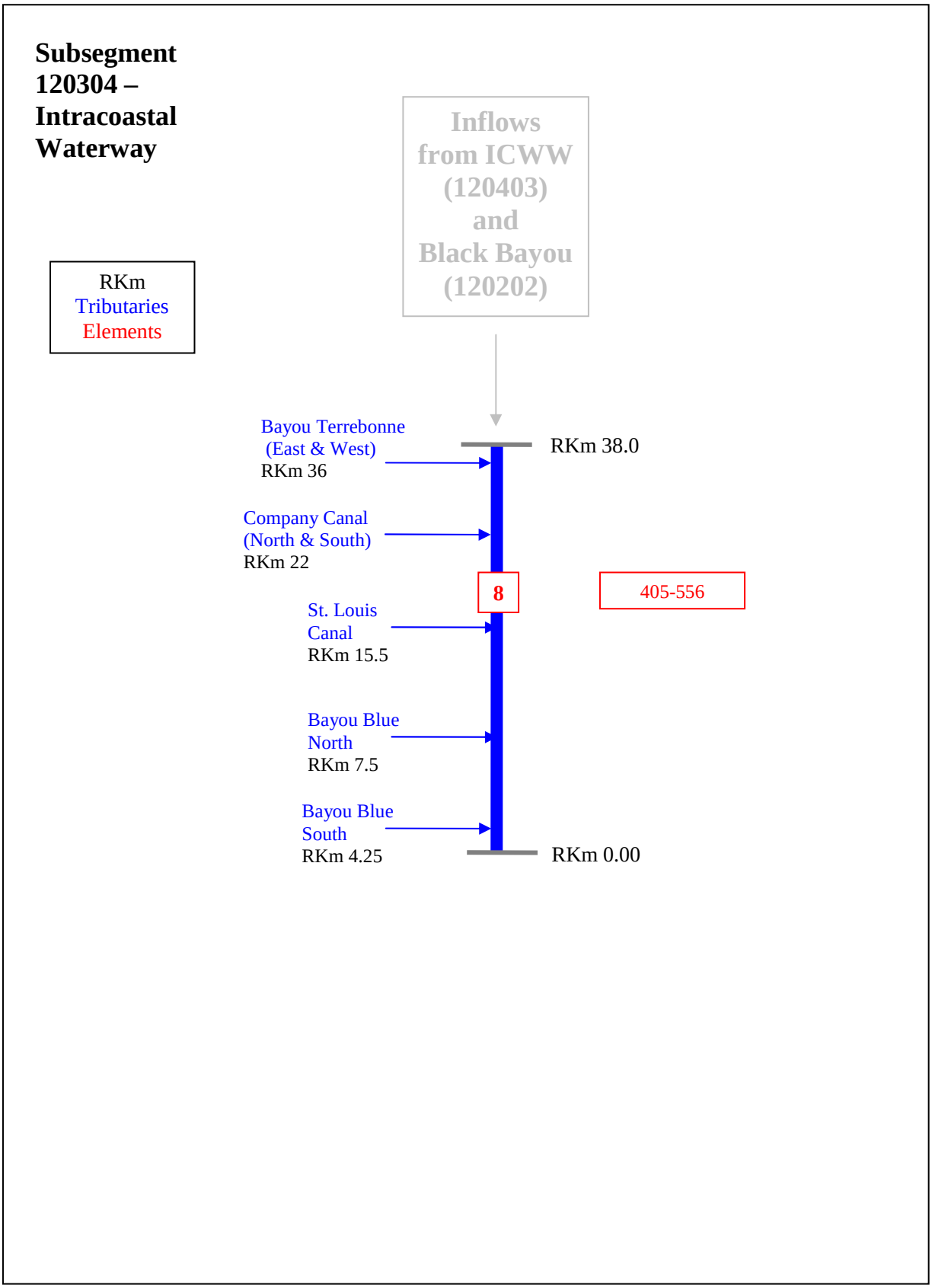

Figure D-3. Vector diagram for subsegment 120304.

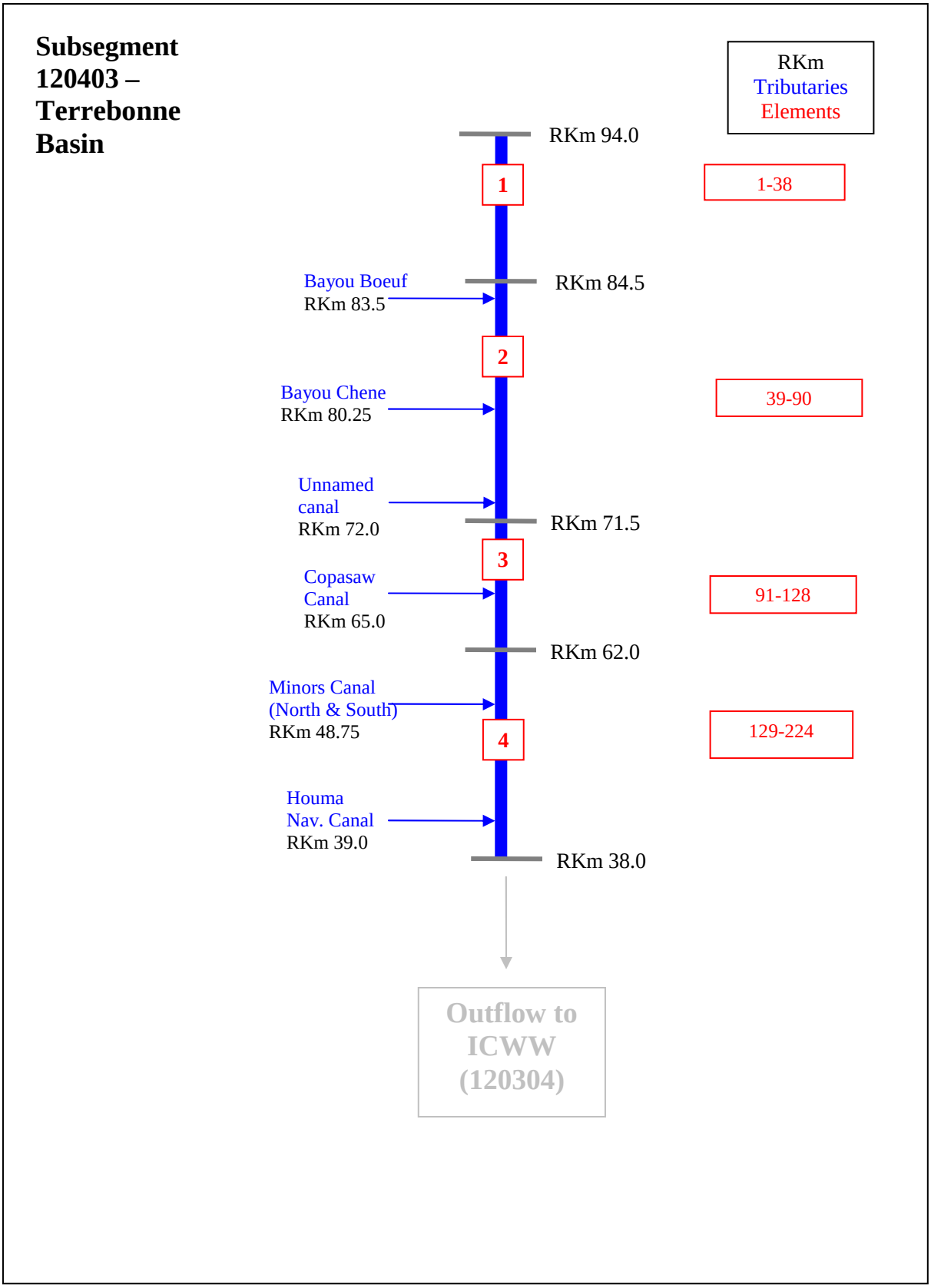

Figure D-4. Vector diagram for subsegment 120403.

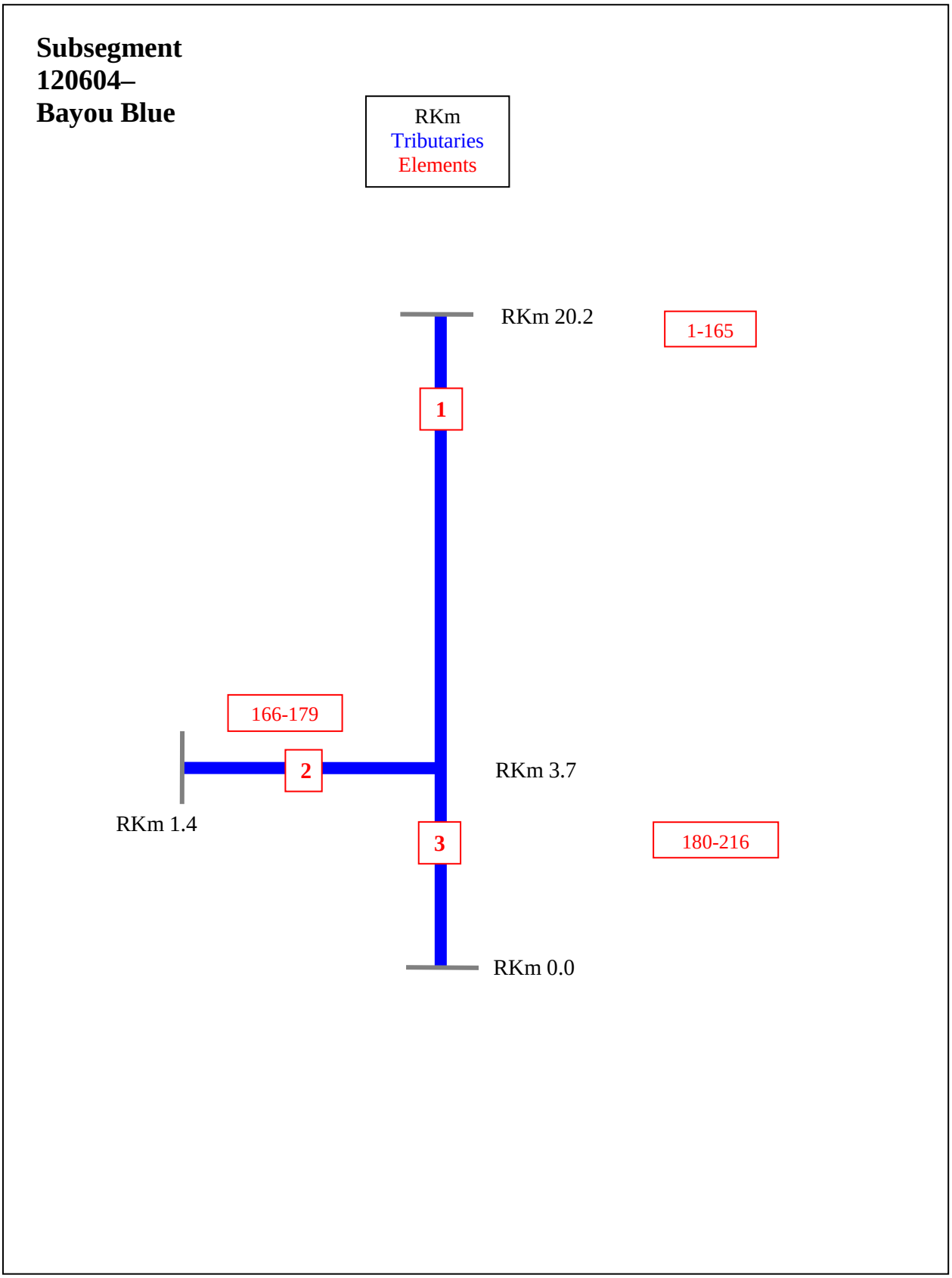

Figure D-5. Vector diagram for subsegment 120604.

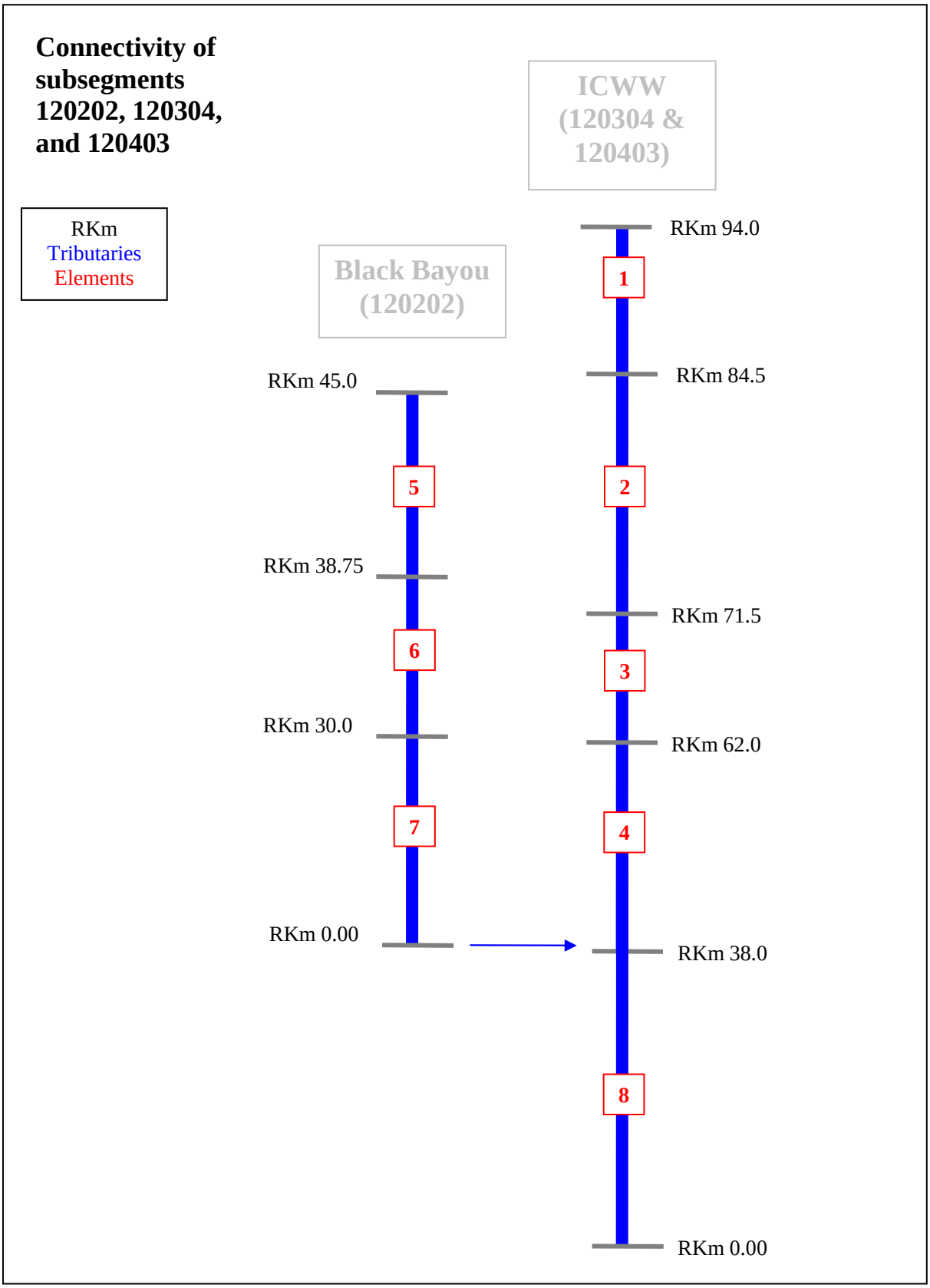

Figure D-6. Connectivity diagram for subsegments 120202, 120304, and 120403.

APPENDIX E:
MODEL OUTPUT FOR CALIBRATION

Calibration output file for subsegments 120202/120304/120403 1
Calibration output file for subsegment 120204 113
Calibration output file for subsegment 120604 182

Calibration output file for subsegments 120202/120304/120403

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\0608 MT\0608 MT - ICWW\Cal\GIBB_CAL_0608.txt
Output produced at 11:59 on 06/22/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL calibration for Gulf ICWW and Bayou Black
TITLE02        FTN Field Survey calibration
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                    <Warning: legacy control - line ignored>
ENDATA01
$$$ DATA TYPE 2 (MODEL OPTIONS) $$$
CARD TYPE      MODEL OPTION
MODOPT01   NO   TEMP
MODOPT02   NO   SALI
MODOPT03   NO   CONSERVATIVE MATERIAL
MODOPT04   NO   CONSERVATIVE MATERIAL II
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07  YES   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12   NO   NONC
ENDATA02
$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        MAXIMUM ITERATION LIMIT           =      500.00000
PROGRAM        ALGAE OXYGEN PROD                 =        0.02600 mg O/ug chl a/day
PROGRAM        WIND                              =        1.30000 meters/sec
PROGRAM        TIDE  HEIGHT                      =        1.24000 meters
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
ENDATA03
$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
 CARD TYPE     RATE CODE     THETA VALUE
THETA       NH3 DECA       1.07000
ENDATA04
$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA05
$$$ DATA TYPE 6 (ALGAE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
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ENDATA06
$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA07
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                    BEGIN      END    ELEM    REACH    ELEMS   BEGIN    END
CARD TYPE  REACH  ID  NAME                          REACH     REACH   LENGTH   LENGTH   PER RCH   ELEM   ELEM
                                     km         km      km      km            NUM    NUM
REACH ID     1   IC  Gulf ICWW                 94.00  TO   84.50   0.2500    9.50     38      1     38
REACH ID     2   IC  Gulf ICWW                 84.50  TO   71.50   0.2500   13.00     52     39     90
REACH ID     3   IC  Gulf ICWW                 71.50  TO   62.00   0.2500    9.50     38     91    128
REACH ID     4   IC  Gulf ICWW                 62.00  TO   38.00   0.2500   24.00     96    129    224
REACH ID     5   BB  Bayou Black               45.00  TO   38.75   0.2500    6.25     25    225    249
REACH ID     6   BB  Bayou Black               38.75  TO   30.00   0.2500    8.75     35    250    284
REACH ID     7   BB  Bayou Black               30.00  TO    0.00   0.2500   30.00    120    285    404
REACH ID     8   IC  Gulf ICWW                 38.00  TO    0.00   0.2500   38.00    152    405    556
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID      WIDTH      WIDTH      WIDTH      DEPTH      DEPTH      DEPTH     SLOPE   MANNINGS
                  "A"        "B"        "C"        "D"        "E"        "F"                "N"
HYDR-1       1   IC      0.000      0.000    182.490      0.000      0.000      9.300   0.00000   0.000
HYDR-1       2   IC      0.000      0.000    209.060      0.000      0.000     13.350   0.00000   0.000
HYDR-1       3   IC      0.000      0.000    395.300      0.000      0.000     12.770   0.00000   0.000
HYDR-1       4   IC      0.000      0.000    190.000      0.000      0.000     12.190   0.00000   0.000
HYDR-1       5   BB      0.000      0.000    196.710      0.000      0.000      4.570   0.00000   0.000
HYDR-1       6   BB      0.000      0.000     31.170      0.000      0.000      1.160   0.00000   0.000
HYDR-1       7   BB      0.000      0.000     31.170      0.000      0.000      1.160   0.00000   0.000
HYDR-1       8   IC      0.000      0.000    155.800      0.000      0.000     12.800   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"
HYDR         1   IC     0.00       0.900        0.000        0.000        0.000
HYDR         2   IC     0.00       0.500        0.000        0.000        0.000
HYDR         3   IC     0.00       0.300        0.000        0.000        0.000
HYDR         4   IC     0.00       0.300        0.000        0.000        0.000
HYDR         5   BB     0.00       0.200        0.000        0.000        0.000
HYDR         6   BB     0.00       0.000        0.000        0.000        0.000
HYDR         7   BB     0.00       0.000        0.000        0.000        0.000
HYDR         8   IC     0.00       0.900        0.000        0.000        0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE     REACH  ID      TEMP     SALIN       DO      NH3     NO3+2     PHOS    CHL A    MACRO
INITIAL         1   IC     31.20      0.00     6.70     0.10      0.00      0.00    20.00     0.00
INITIAL         2   IC     32.00      0.00     5.50     0.11      0.00      0.00    20.00     0.00
INITIAL         3   IC     32.10      0.00     5.05     0.12      0.00      0.00    20.00     0.00
INITIAL         4   IC     32.30      0.00     4.60     0.13      0.00      0.00    20.00     0.00
INITIAL         5   BB     32.10      0.00     5.70     0.10      0.00      0.00    25.00     0.00
INITIAL         6   BB     32.00      0.00     6.08     0.10      0.00      0.00    25.00     0.00
INITIAL         7   BB     32.00      0.00     6.08     0.10      0.00      0.00    50.00     0.00
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INITIAL        8  IC     31.90     0.00     4.30     0.14     0.00     0.00    24.00     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/m²/d  per day    m/d           per day  per day     m/d           per day
COEFF-1   1  IC  21 YU          0.000   0.000   0.000   1.000   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   2  IC  21 YU          0.000   0.000   0.000   1.000   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   3  IC  21 YU          0.000   0.000   0.000   2.000   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   4  IC  21 YU          0.000   0.000   0.000   2.200   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   5  BB  21 YU          0.000   0.000   0.000   0.700   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   6  BB  21 YU          0.000   0.000   0.000   0.700   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   7  BB  21 YU          0.000   0.000   0.000   1.300   0.170   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   8  IC  21 YU          0.000   0.000   0.000   0.700   0.150   0.000   1.000   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  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2         2  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2         3  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2         4  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2         5  BB     0.020    0.000    1.000    0.200    0.000    0.000    0.000
COEFF-2         6  BB     0.020    0.000    1.000    0.200    0.000    0.000    0.000
COEFF-2         7  BB     0.020    0.000    1.000    0.200    0.000    0.000    0.000
COEFF-2         8  IC     0.020    0.000    1.000    0.130    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  IC     0.00000    1.00000    30.90     0.00     0.00     0.00  0.10526   0.00000
INCR-1          2  IC     0.00000    0.85500    30.90     0.00     0.00     0.00  0.06577   0.00000
INCR-1          3  IC     0.00000    0.62500    30.90     0.00     0.00     0.00  0.06579   0.00000
INCR-1          4  IC     0.00000    1.57800    30.90     0.00     0.00     0.00  0.06575   0.00000
INCR-1          5  BB     0.00000    0.10000    29.70     0.00     0.00     0.00  0.01600   0.00000
INCR-1          6  BB     0.00000    0.10000    29.70     0.00     0.00     0.00  0.01143   0.00000
INCR-1          7  BB     0.00000    0.17200    29.70     0.00     0.00     0.00  0.00573   0.00000
INCR-1          8  IC     0.00000    3.25600    32.10     0.00     0.00     0.00  0.08568   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  IC      7.22     6.67     1.40     0.10     0.00     0.00
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INCR-2        2  IC     7.22    6.67    1.40    0.10    0.00    0.00
INCR-2        3  IC     7.22    6.67    1.40    0.10    0.00    0.00
INCR-2        4  IC     7.22    6.67    1.40    0.10    0.00    0.00
INCR-2        5  BB     5.00    3.70    1.10    0.10    0.00    0.00
INCR-2        6  BB     5.00    3.70    1.10    0.10    0.00    0.00
INCR-2        7  BB     5.00    3.70    1.10    0.10    0.00    0.00
INCR-2        8  IC     7.22    6.67    1.40    0.10    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  IC    9000.00   520.00    0.00    0.00    0.00    0.00
NONPOINT        2  IC   22000.00   600.00    0.00    0.00    0.00    0.00
NONPOINT        3  IC   30000.00  1200.00    0.00    0.00    0.00    0.00
NONPOINT        4  IC   33000.00  1400.00    0.00    0.00    0.00    0.00
NONPOINT        5  BB     500.00    10.00    0.00    0.00    0.00    0.00
NONPOINT        6  BB     600.00    20.00    0.00    0.00    0.00    0.00
NONPOINT        7  BB    1050.00    20.00    0.00    0.00    0.00    0.00
NONPOINT        8  IC   75000.00  2000.00    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
                                      m³/s     cfs   deg C     ppt
HDWTR-1        1    ICWW              0  0.25500   9.004  31.20    0.00    0.000    0.000  0.00
HDWTR-1      225    Bayou Black       0  0.00700   0.247  32.00    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    ICWW              6.70     3.70     1.30     0.10     0.00     0.00
HDWTR-2      225    Bayou Black       1.49     9.75     1.41     0.30     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  UPSTRM   RIVER    NAME
           ELEMENT  ELEMENT   KILOM
JUNCTION      405    224     38.00    ICWW and Bayou Black
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT   RKILO  NAME              FLOW      FLOW     FLOW   TEMP   SALIN    CM-I    CM-II
                                            m³/s       cfs      MGD  deg C     ppt
WSTLD-1      39     84.50  Bayou Boeuff     47.90509 1691.56396 1093.448  31.20    0.00    0.000    0.000
WSTLD-1      57     80.00  Bayou Chene     -36.47580-1287.98730 -832.571  31.20    0.00    0.000    0.000
WSTLD-1      89     72.00  Unnamed Canal     1.55720   54.98587   35.544  31.20    0.00    0.000    0.000
WSTLD-1     117     65.00  Copasaw Canal    15.28886  539.86090  348.973  31.20    0.00    0.000    0.000
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WSTLD-1   181   49.00  Minors Canal South    4.47341  157.95940  102.107   31.20    0.00    0.000    0.000
WSTLD-1   181   49.00  Minors Canal North   -0.52378  -18.49506  -11.955   31.20    0.00    0.000    0.000
WSTLD-1   221   39.00  Houma Nav. Can.     -23.81100 -840.78394 -543.493   31.20    0.00    0.000    0.000
WSTLD-1   223   38.50  PS ICWW#1            0.00003    0.00106    0.001   31.20    0.00    0.000    0.000
WSTLD-1   260   36.25  LAG531469            0.00014    0.00494    0.003   31.20    0.00    0.000    0.000
WSTLD-1   268   34.25  LAG540726            0.00004    0.00141    0.001   31.20    0.00    0.000    0.000
WSTLD-1   278   31.75  PS Black Bayou#1     0.00150    0.05297    0.034   31.20    0.00    0.000    0.000
WSTLD-1   292   28.25  PS Black Bayou#2     0.00192    0.06780    0.044   31.20    0.00    0.000    0.000
WSTLD-1   312   23.25  LAG541223            0.00071    0.02507    0.016   31.20    0.00    0.000    0.000
WSTLD-1   331   18.50  PS Black Bayou#3     0.00018    0.00636    0.004   31.20    0.00    0.000    0.000
WSTLD-1   339   16.50  LAG541317            0.00042    0.01483    0.010   31.20    0.00    0.000    0.000
WSTLD-1   352   13.25  LA0111236            0.01416    0.50000    0.323   31.20    0.00    0.000    0.000
WSTLD-1   369    9.00  PS Hanson Canal      0.00160    0.05650    0.037   31.20    0.00    0.000    0.000
WSTLD-1   372    8.25  LA0074331            0.00001    0.00035    0.000   31.20    0.00    0.000    0.000
WSTLD-1   373    8.00  Minors Canal         0.52662   18.59534   12.020   31.20    0.00    0.000    0.000
WSTLD-1   401    1.00  Little Bayou Black   1.30238   45.98800   29.727   31.20    0.00    0.000    0.000
WSTLD-1   402    0.75  PS Lil Bayou Black   0.00039    0.01377    0.009   31.20    0.00    0.000    0.000
WSTLD-1   413   36.00  Bayou Terrebonne W.  1.41564   49.98729   32.312   31.20    0.00    0.000    0.000
WSTLD-1   413   36.00  Bayou Terrebonne E.  -0.96263  -33.99117  -21.972   31.20    0.00    0.000    0.000
WSTLD-1   417   35.00  LA0111376            0.00001    0.00035    0.000   31.20    0.00    0.000    0.000
WSTLD-1   461   24.00  LA0104868            0.00005    0.00177    0.001   31.20    0.00    0.000    0.000
WSTLD-1   467   22.50  LA0089648            0.00344    0.12147    0.079   31.20    0.00    0.000    0.000
WSTLD-1   469   22.00  Company Canal North  4.16197  146.96222   94.998   31.20    0.00    0.000    0.000
WSTLD-1   469   22.00  Company Canal South  -0.53794  -18.99506  -12.279   31.20    0.00    0.000    0.000
WSTLD-1   493   16.00  St Louis Canal       0.45300   15.99576   10.340   31.20    0.00    0.000    0.000
WSTLD-1   525    8.00  Bayou Bleu North     1.21745   42.98906   27.789   31.20    0.00    0.000    0.000
WSTLD-1   541    4.00  Bayou Bleu South     -0.39638  -13.99647   -9.047   31.20    0.00    0.000    0.000
WSTLD-1   549    2.00  PS ICWW#2            0.00004    0.00141    0.001   31.20    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      39      Bayou Boeuff        4.40    5.00    0.00    1.60    0.10    0.00    0.00    0.00
WSTLD-2      57      Bayou Chene         0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
WSTLD-2      89      Unnamed Canal       6.60    6.20    0.00    1.40    0.10    0.00    0.00    0.00
WSTLD-2     117      Copasaw Canal       6.60    6.20    0.00    1.40    0.10    0.00    0.00    0.00
WSTLD-2     181      Minors Canal South  10.40   7.20    0.00    1.40    0.10    0.00    0.00    0.00
WSTLD-2     181      Minors Canal North  0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
WSTLD-2     221      Houma Nav. Can.     0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
WSTLD-2     223      PS ICWW#1           5.00   103.50   0.00    1.40    1.50    0.00    2.00    0.00
WSTLD-2     260      LAG531469           5.00   103.50   0.00    1.40    1.50    0.00    2.00    0.00
WSTLD-2     268      LAG540726           5.00   69.00    0.00    1.40    1.50    0.00    2.00    0.00
WSTLD-2     278      PS Black Bayou#1    5.00   56.90    0.00    1.40    1.50    0.00    2.00    0.00
WSTLD-2     292      PS Black Bayou#2    5.00   52.70    0.00    1.40    1.50    0.00    2.00    0.00
WSTLD-2     312      LAG541223           5.00   69.00    0.00    1.40    1.50    0.00    2.00    0.00
WSTLD-2     331      PS Black Bayou#3    5.00   103.50   0.00    1.40    1.50    0.00    2.00    0.00
WSTLD-2     339      LAG541317           5.00   69.00    0.00    1.40    1.50    0.00    2.00    0.00
WSTLD-2     352      LA0111236           5.00   57.50    0.00    1.40   20.00    0.00    2.00    0.00
WSTLD-2     369      PS Hanson Canal     5.00   25.40    0.00    1.40    1.50    0.00    2.00    0.00
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WSTLD-2     372   LA0074331            5.00   103.50   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2     373   Minors Canal        10.40     7.20   0.00   1.40   0.10   0.00   0.00   0.00
WSTLD-2     401   Little Bayou Black   2.30     9.40   0.00   1.63   0.14   0.00   0.00   0.00
WSTLD-2     402   PS Lil Bayou Black   5.00   103.50   0.00   1.63   1.50   0.00   2.00   0.00
WSTLD-2     413   Bayou Terrebonne W.  2.30     9.40   0.00   1.63   0.14   0.00   0.00   0.00
WSTLD-2     413   Bayou Terrebonne E.  0.00     0.00   0.00   0.00   0.00   0.00   0.00   0.00
WSTLD-2     417   LA0111376            5.00   103.50   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2     461   LA0104868            5.00   103.50   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2     467   LA0089648            5.00    70.80   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2     469   Company Canal North  3.89     9.80   0.00   1.34   0.10   0.00   0.00   0.00
WSTLD-2     469   Company Canal South  0.00     0.00   0.00   0.00   0.00   0.00   0.00   0.00
WSTLD-2     493   St Louis Canal       3.34     8.70   0.00   0.90   0.10   0.00   0.00   0.00
WSTLD-2     525   Bayou Bleu North     3.34     8.70   0.00   0.90   0.10   0.00   0.00   0.00
WSTLD-2     541   Bayou Bleu South     0.00     0.00   0.00   0.00   0.00   0.00   0.00   0.00
WSTLD-2     549   PS ICWW#2            5.00   103.50   0.00   1.40   1.50   0.00   2.00   0.00
ENDATA25
$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                PHOS    CHL A    COLI     NCM
                                           mg/L    mg/L     mg/L     mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                CONCENTRATION
LOWER BC     TEMPERATURE                32.100    deg C
LOWER BC     SALINITY                   0.000    ppt
LOWER BC     CONSERVATIVE MATERIAL I    0.000
LOWER BC     CONSERVATIVE MATERIAL II   0.000
LOWER BC     DISSOLVED OXYGEN           4.600    mg/L
LOWER BC     BIOCHEMICAL OXYGEN DEMAND  3.800    mg/L
LOWER BC     ORGANIC NITROGEN           0.000    mg/L
LOWER BC     AMMONIA NITROGEN           0.150    mg/L
LOWER BC     NITRATE + NITRITE          0.270    mg/L
LOWER BC     PHOSPHORUS                 0.000    mg/L
LOWER BC     CHLOROPHYLL A              21.000   µg/L
LOWER BC     COLIFORM                   0.000    #/100 mL
LOWER BC     NONCONSERVATIVE MATERIAL   0.000
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 =  2
NUMBER OF REACHES IN PLOT 1 =   5
PLOT RCH  1  2  3  4  8
NUMBER OF REACHES IN PLOT 2 =   3
PLOT RCH  5  6  7
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
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OVERLAY 1 GIWW.ovl                    :GIWW (subs 120403 and 120304)
OVERLAY 2 Black.ovl                   :Bayou Black (Sub 120202)
ENDATA31
    .....NO ERRORS DETECTED IN INPUT DATA
    .....HYDRAULIC CALCULATIONS COMPLETED
    .....TRIDIAGONAL MATRIX TERMS INITIALIZED
    .....OXYGEN DEPENDENT RATES CONVERGENT IN   7 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
INTERMEDIATE REPORT
 Dissolved Oxygen                          LA-QUAL calibration for Gulf ICWW and Bayou Black
   mg/L                                  FTN Field Survey calibration
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ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	6.59	6.59	6.60	6.62	6.63	6.64	6.65	6.66	6.67	6.68
IC	1	11	6.68	6.69	6.69	6.70	6.70	6.70	6.71	6.71	6.71	6.71
IC	1	21	6.71	6.71	6.70	6.70	6.69	6.67	6.65	6.62	6.58	6.52
IC	1	31	6.45	6.34	6.20	6.01	5.77	5.47	5.11	4.72		
IC	2	39	4.38	4.31	4.26	4.20	4.15	4.11	4.06	4.03	3.99	3.96
IC	2	49	3.93	3.90	3.88	3.85	3.84	3.82	3.80	3.79	3.78	3.77
IC	2	59	3.78	3.80	3.84	3.88	3.93	3.99	4.05	4.12	4.19	4.27
IC	2	69	4.34	4.42	4.49	4.57	4.65	4.72	4.80	4.87	4.94	5.02
IC	2	79	5.09	5.16	5.22	5.29	5.36	5.42	5.48	5.54	5.60	5.65
IC	2	89	5.72	5.70								
IC	3	91	5.58	5.48	5.40	5.32	5.26	5.20	5.15	5.11	5.07	5.03
IC	3	101	5.00	4.97	4.95	4.93	4.91	4.89	4.87	4.86	4.84	4.83
IC	3	111	4.82	4.81	4.80	4.79	4.79	4.86	5.36	5.17	5.01	4.86
IC	3	121	4.74	4.63	4.53	4.45	4.38	4.32	4.27	4.23		
IC	4	129	4.21	4.19	4.17	4.15	4.13	4.11	4.10	4.09	4.08	4.07
IC	4	139	4.07	4.06	4.06	4.05	4.05	4.05	4.05	4.05	4.06	4.06
IC	4	149	4.06	4.07	4.08	4.08	4.09	4.10	4.11	4.12	4.13	4.14
IC	4	159	4.15	4.16	4.17	4.18	4.20	4.21	4.22	4.24	4.25	4.27
IC	4	169	4.28	4.30	4.31	4.33	4.35	4.36	4.38	4.40	4.42	4.43
IC	4	179	4.45	4.52	5.17	5.15	5.14	5.12	5.11	5.09	5.08	5.07
IC	4	189	5.07	5.06	5.06	5.05	5.05	5.05	5.05	5.05	5.05	5.05
IC	4	199	5.06	5.06	5.07	5.07	5.08	5.09	5.10	5.10	5.11	5.12
IC	4	209	5.13	5.15	5.16	5.17	5.18	5.20	5.21	5.22	5.24	5.25
IC	4	219	5.27	5.28	5.30	5.34	5.37	5.33				
IC	8	405	5.13	5.19	5.23	5.27	5.31	5.33	5.32	5.27	5.08	5.06
IC	8	415	5.05	5.04	5.02	5.01	5.00	4.99	4.98	4.97	4.96	4.95
IC	8	425	4.94	4.93	4.92	4.91	4.90	4.89	4.88	4.87	4.87	4.86
IC	8	435	4.85	4.84	4.83	4.82	4.82	4.81	4.80	4.79	4.78	4.78
IC	8	445	4.77	4.76	4.75	4.74	4.73	4.73	4.72	4.71	4.70	4.69
IC	8	455	4.69	4.68	4.67	4.66	4.65	4.64	4.64	4.63	4.62	4.61
IC	8	465	4.60	4.58	4.55	4.48	4.31	4.24	4.18	4.12	4.07	4.02
IC	8	475	3.97	3.93	3.89	3.86	3.83	3.80	3.77	3.75	3.73	3.71
IC	8	485	3.69	3.68	3.66	3.65	3.64	3.63	3.62	3.61	3.59	3.58
IC	8	495	3.57	3.56	3.55	3.54	3.54	3.53	3.53	3.52	3.52	3.51
IC	8	505	3.51	3.51	3.51	3.50	3.50	3.50	3.50	3.50	3.50	3.50

IC	8	515	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.48
IC	8	525	3.46	3.44	3.43	3.42	3.41	3.40	3.39	3.38	3.38	3.37
IC	8	535	3.36	3.36	3.35	3.34	3.34	3.33	3.33	3.32	3.32	3.32
IC	8	545	3.31	3.31	3.31	3.30	3.30	3.30	3.29	3.29	3.29	3.31
IC	8	555	3.39	3.77								
BB	5	225	10.74	10.80	10.84	10.86	10.87	10.88	10.88	10.89	10.89	10.89
BB	5	235	10.89	10.89	10.89	10.89	10.89	10.89	10.89	10.89	10.89	10.88
BB	5	245	10.87	10.85	10.81	10.73	10.57					
BB	6	250	10.00	8.45	7.44	6.77	6.31	6.00	5.77	5.62	5.51	5.43
BB	6	260	5.36	5.32	5.30	5.29	5.29	5.30	5.32	5.33	5.35	5.38
BB	6	270	5.40	5.43	5.46	5.49	5.53	5.56	5.59	5.63	5.62	5.63
BB	6	280	5.66	5.69	5.73	5.77	5.81					
BB	7	285	5.41	5.16	5.02	4.95	4.93	4.93	4.95	4.94	4.95	4.97
BB	7	295	5.00	5.03	5.06	5.09	5.12	5.15	5.17	5.19	5.21	5.22
BB	7	305	5.23	5.24	5.25	5.25	5.26	5.26	5.26	5.24	5.22	5.21
BB	7	315	5.21	5.20	5.19	5.19	5.18	5.18	5.17	5.16	5.16	5.15
BB	7	325	5.14	5.13	5.13	5.12	5.11	5.10	5.08	5.07	5.06	5.05
BB	7	335	5.04	5.03	5.02	5.00	4.99	4.97	4.96	4.94	4.93	4.92
BB	7	345	4.91	4.90	4.89	4.88	4.87	4.86	4.85	4.33	3.98	3.74
BB	7	355	3.59	3.51	3.47	3.47	3.49	3.52	3.57	3.62	3.68	3.73
BB	7	365	3.79	3.84	3.90	3.94	3.99	4.02	4.05	4.08	7.50	7.17
BB	7	375	6.86	6.59	6.34	6.12	5.91	5.72	5.55	5.40	5.26	5.13
BB	7	385	5.02	4.91	4.81	4.73	4.65	4.58	4.51	4.45	4.40	4.35
BB	7	395	4.30	4.26	4.23	4.19	4.16	4.13	3.04	3.03	3.01	3.00

INTERMEDIATE REPORT

Effective BOD — LA-QUAL calibration for Gulf ICWW and Bayou Black

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	2.41	2.38	2.35	2.34	2.33	2.32	2.31	2.31	2.30	2.30
IC	1	11	2.30	2.29	2.29	2.29	2.29	2.28	2.28	2.28	2.28	2.28
IC	1	21	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.28
IC	1	31	2.29	2.31	2.35	2.42	2.53	2.73	3.08	3.67		
IC	2	39	4.73	4.63	4.54	4.45	4.36	4.28	4.20	4.13	4.05	3.98
IC	2	49	3.92	3.85	3.79	3.73	3.68	3.62	3.57	3.52	3.46	3.32
IC	2	59	3.19	3.08	2.98	2.90	2.83	2.76	2.71	2.66	2.62	2.59
IC	2	69	2.56	2.53	2.51	2.49	2.47	2.45	2.44	2.43	2.42	2.41
IC	2	79	2.40	2.40	2.39	2.39	2.38	2.38	2.38	2.38	2.39	2.45
IC	2	89	2.69	2.64								
IC	3	91	2.60	2.56	2.53	2.51	2.49	2.47	2.46	2.45	2.44	2.44
IC	3	101	2.43	2.42	2.42	2.42	2.41	2.41	2.41	2.41	2.41	2.40
IC	3	111	2.40	2.40	2.41	2.42	2.48	2.76	3.99	3.82	3.66	3.52
IC	3	121	3.40	3.29	3.19	3.10	3.03	2.96	2.90	2.85		
IC	4	129	2.82	2.79	2.76	2.74	2.71	2.69	2.67	2.65	2.63	2.61
IC	4	139	2.59	2.58	2.56	2.55	2.53	2.52	2.51	2.50	2.49	2.48
IC	4	149	2.47	2.46	2.45	2.44	2.44	2.43	2.42	2.42	2.41	2.40
IC	4	159	2.40	2.39	2.39	2.38	2.38	2.38	2.37	2.37	2.37	2.36
IC	4	169	2.36	2.36	2.35	2.35	2.35	2.35	2.35	2.34	2.34	2.34
IC	4	179	2.34	2.38	2.90	2.88	2.85	2.82	2.80	2.78	2.76	2.74
IC	4	189	2.72	2.70	2.68	2.66	2.65	2.63	2.62	2.60	2.59	2.58
IC	4	199	2.57	2.55	2.54	2.53	2.52	2.51	2.51	2.50	2.49	2.48

IC	4	209	2.47	2.47	2.46	2.46	2.45	2.44	2.44	2.43	2.43	2.42
IC	4	219	2.42	2.42	2.41	2.41	2.42	2.58				
IC	8	405	3.16	3.22	3.28	3.33	3.38	3.43	3.49	3.62	3.95	3.95
IC	8	415	3.94	3.93	3.93	3.92	3.91	3.91	3.90	3.90	3.90	3.89
IC	8	425	3.89	3.89	3.88	3.88	3.88	3.88	3.88	3.87	3.87	3.87
IC	8	435	3.87	3.87	3.87	3.87	3.86	3.86	3.86	3.86	3.86	3.86
IC	8	445	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.85	3.85	3.85
IC	8	455	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85
IC	8	465	3.86	3.87	3.94	4.15	4.91	4.84	4.77	4.71	4.65	4.59
IC	8	475	4.54	4.50	4.45	4.41	4.37	4.34	4.30	4.27	4.24	4.22
IC	8	485	4.19	4.17	4.15	4.13	4.11	4.09	4.08	4.08	4.13	4.11
IC	8	495	4.09	4.08	4.06	4.05	4.03	4.02	4.01	4.00	3.99	3.98
IC	8	505	3.97	3.96	3.95	3.95	3.94	3.93	3.93	3.92	3.91	3.91
IC	8	515	3.90	3.90	3.90	3.89	3.89	3.88	3.88	3.88	3.89	3.93
IC	8	525	4.10	4.08	4.07	4.05	4.04	4.03	4.02	4.00	3.99	3.98
IC	8	535	3.97	3.97	3.96	3.95	3.94	3.94	3.93	3.92	3.92	3.91
IC	8	545	3.91	3.90	3.90	3.89	3.89	3.89	3.88	3.88	3.88	3.87
IC	8	555	3.86	3.84								
BB	5	225	0.42	0.38	0.37	0.36	0.36	0.36	0.36	0.36	0.36	0.36
BB	5	235	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
BB	5	245	0.36	0.37	0.38	0.41	0.48					
BB	6	250	0.87	2.18	3.18	3.96	4.56	5.04	5.41	5.70	5.94	6.12
BB	6	260	6.36	6.46	6.55	6.61	6.67	6.72	6.75	6.79	6.82	6.84
BB	6	270	6.86	6.87	6.88	6.89	6.90	6.91	6.91	6.92	7.26	7.22
BB	6	280	7.18	7.15	7.13	7.10	7.08					
BB	7	285	6.58	6.14	5.76	5.44	5.16	4.92	4.71	4.89	4.69	4.52
BB	7	295	4.36	4.23	4.12	4.01	3.93	3.85	3.78	3.73	3.68	3.63
BB	7	305	3.59	3.56	3.53	3.50	3.48	3.46	3.44	3.59	3.56	3.53
BB	7	315	3.50	3.48	3.46	3.44	3.43	3.41	3.40	3.39	3.38	3.37
BB	7	325	3.37	3.36	3.35	3.35	3.34	3.34	3.40	3.39	3.38	3.37
BB	7	335	3.36	3.36	3.35	3.35	3.43	3.42	3.41	3.40	3.39	3.38
BB	7	345	3.37	3.37	3.36	3.36	3.35	3.35	3.34	5.50	5.31	5.13
BB	7	355	4.96	4.81	4.68	4.56	4.45	4.35	4.26	4.17	4.10	4.03
BB	7	365	3.97	3.91	3.86	3.81	3.86	3.81	3.77	3.74	5.72	5.64
BB	7	375	5.55	5.47	5.40	5.33	5.26	5.19	5.12	5.06	5.00	4.94
BB	7	385	4.88	4.83	4.78	4.73	4.68	4.63	4.59	4.54	4.50	4.46
BB	7	395	4.42	4.38	4.35	4.31	4.28	4.25	7.21	7.17	7.12	7.06

INTERMEDIATE REPORT

Biochemical Oxygen Demand — LA-QUAL calibration for Gulf ICWW and Bayou Black

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	2.41	2.38	2.35	2.34	2.33	2.32	2.31	2.31	2.30	2.30
IC	1	11	2.30	2.29	2.29	2.29	2.29	2.28	2.28	2.28	2.28	2.28
IC	1	21	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.28
IC	1	31	2.29	2.31	2.35	2.42	2.53	2.73	3.08	3.67		
IC	2	39	4.73	4.63	4.54	4.45	4.36	4.28	4.20	4.13	4.05	3.98
IC	2	49	3.92	3.85	3.79	3.73	3.68	3.62	3.57	3.52	3.46	3.32
IC	2	59	3.19	3.08	2.98	2.90	2.83	2.76	2.71	2.66	2.62	2.59
IC	2	69	2.56	2.53	2.51	2.49	2.47	2.45	2.44	2.43	2.42	2.41
IC	2	79	2.40	2.40	2.39	2.39	2.38	2.38	2.38	2.38	2.39	2.45

IC	2	89	2.69	2.64								
IC	3	91	2.60	2.56	2.53	2.51	2.49	2.47	2.46	2.45	2.44	2.44
IC	3	101	2.43	2.42	2.42	2.42	2.41	2.41	2.41	2.41	2.41	2.40
IC	3	111	2.40	2.40	2.41	2.42	2.48	2.76	3.99	3.82	3.66	3.52
IC	3	121	3.40	3.29	3.19	3.10	3.03	2.96	2.90	2.85		
IC	4	129	2.82	2.79	2.76	2.74	2.71	2.69	2.67	2.65	2.63	2.61
IC	4	139	2.59	2.58	2.56	2.55	2.53	2.52	2.51	2.50	2.49	2.48
IC	4	149	2.47	2.46	2.45	2.44	2.44	2.43	2.42	2.42	2.41	2.40
IC	4	159	2.40	2.39	2.39	2.38	2.38	2.38	2.37	2.37	2.37	2.36
IC	4	169	2.36	2.36	2.35	2.35	2.35	2.35	2.35	2.34	2.34	2.34
IC	4	179	2.34	2.38	2.90	2.88	2.85	2.82	2.80	2.78	2.76	2.74
IC	4	189	2.72	2.70	2.68	2.66	2.65	2.63	2.62	2.60	2.59	2.58
IC	4	199	2.57	2.55	2.54	2.53	2.52	2.51	2.51	2.50	2.49	2.48
IC	4	209	2.47	2.47	2.46	2.46	2.45	2.44	2.44	2.43	2.43	2.42
IC	4	219	2.42	2.42	2.41	2.41	2.42	2.58				
IC	8	405	3.16	3.22	3.28	3.33	3.38	3.43	3.49	3.62	3.95	3.95
IC	8	415	3.94	3.93	3.93	3.92	3.91	3.91	3.90	3.90	3.90	3.89
IC	8	425	3.89	3.89	3.88	3.88	3.88	3.88	3.88	3.87	3.87	3.87
IC	8	435	3.87	3.87	3.87	3.87	3.86	3.86	3.86	3.86	3.86	3.86
IC	8	445	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.85	3.85	3.85
IC	8	455	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85
IC	8	465	3.86	3.87	3.94	4.15	4.91	4.84	4.77	4.71	4.65	4.59
IC	8	475	4.54	4.50	4.45	4.41	4.37	4.34	4.30	4.27	4.24	4.22
IC	8	485	4.19	4.17	4.15	4.13	4.11	4.09	4.08	4.08	4.13	4.11
IC	8	495	4.09	4.08	4.06	4.05	4.03	4.02	4.01	4.00	3.99	3.98
IC	8	505	3.97	3.96	3.95	3.95	3.94	3.93	3.93	3.92	3.91	3.91
IC	8	515	3.90	3.90	3.90	3.89	3.89	3.88	3.88	3.88	3.89	3.93
IC	8	525	4.10	4.08	4.07	4.05	4.04	4.03	4.02	4.00	3.99	3.98
IC	8	535	3.97	3.97	3.96	3.95	3.94	3.94	3.93	3.92	3.92	3.91
IC	8	545	3.91	3.90	3.90	3.89	3.89	3.89	3.88	3.88	3.88	3.87
IC	8	555	3.86	3.84								
BB	5	225	0.42	0.38	0.37	0.36	0.36	0.36	0.36	0.36	0.36	0.36
BB	5	235	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
BB	5	245	0.36	0.37	0.38	0.41	0.48					
BB	6	250	0.87	2.18	3.18	3.96	4.56	5.04	5.41	5.70	5.94	6.12
BB	6	260	6.36	6.46	6.55	6.61	6.67	6.72	6.75	6.79	6.82	6.84
BB	6	270	6.86	6.87	6.88	6.89	6.90	6.91	6.91	6.92	7.26	7.22
BB	6	280	7.18	7.15	7.13	7.10	7.08					
BB	7	285	6.58	6.14	5.76	5.44	5.16	4.92	4.71	4.89	4.69	4.52
BB	7	295	4.36	4.23	4.12	4.01	3.93	3.85	3.78	3.73	3.68	3.63
BB	7	305	3.59	3.56	3.53	3.50	3.48	3.46	3.44	3.59	3.56	3.53
BB	7	315	3.50	3.48	3.46	3.44	3.43	3.41	3.40	3.39	3.38	3.37
BB	7	325	3.37	3.36	3.35	3.35	3.34	3.34	3.40	3.39	3.38	3.37
BB	7	335	3.36	3.36	3.35	3.35	3.43	3.42	3.41	3.40	3.39	3.38
BB	7	345	3.37	3.37	3.36	3.36	3.35	3.35	3.34	5.50	5.31	5.13
BB	7	355	4.96	4.81	4.68	4.56	4.45	4.35	4.26	4.17	4.10	4.03
BB	7	365	3.97	3.91	3.86	3.81	3.86	3.81	3.77	3.74	5.72	5.64
BB	7	375	5.55	5.47	5.40	5.33	5.26	5.19	5.12	5.06	5.00	4.94
BB	7	385	4.88	4.83	4.78	4.73	4.68	4.63	4.59	4.54	4.50	4.46
BB	7	395	4.42	4.38	4.35	4.31	4.28	4.25	7.21	7.17	7.12	7.06

INTERMEDIATE REPORT

Organic Nitrogen — LA-QUAL calibration for Gulf ICWW and Bayou Black

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
IC	1	11	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
IC	1	21	1.31	1.31	1.31	1.31	1.31	1.31	1.32	1.32	1.32	1.33
IC	1	31	1.34	1.35	1.36	1.38	1.40	1.43	1.47	1.52		
IC	2	39	1.59	1.58	1.58	1.57	1.57	1.57	1.56	1.56	1.55	1.55
IC	2	49	1.55	1.54	1.54	1.54	1.53	1.53	1.52	1.52	1.52	1.50
IC	2	59	1.49	1.48	1.46	1.45	1.44	1.43	1.42	1.40	1.39	1.38
IC	2	69	1.37	1.36	1.35	1.34	1.33	1.32	1.31	1.30	1.29	1.28
IC	2	79	1.27	1.26	1.25	1.24	1.23	1.23	1.22	1.21	1.20	1.20
IC	2	89	1.21	1.20								
IC	3	91	1.20	1.19	1.19	1.18	1.18	1.17	1.17	1.16	1.16	1.16
IC	3	101	1.15	1.15	1.15	1.14	1.14	1.13	1.13	1.13	1.13	1.12
IC	3	111	1.12	1.12	1.11	1.11	1.12	1.15	1.25	1.24	1.24	1.24
IC	3	121	1.24	1.23	1.23	1.23	1.22	1.22	1.22	1.22		
IC	4	129	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.20
IC	4	139	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.19
IC	4	149	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.18
IC	4	159	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
IC	4	169	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
IC	4	179	1.17	1.17	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
IC	4	189	1.19	1.19	1.19	1.18	1.18	1.18	1.18	1.18	1.18	1.18
IC	4	199	1.18	1.18	1.18	1.18	1.18	1.18	1.17	1.17	1.17	1.17
IC	4	209	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.16
IC	4	219	1.16	1.16	1.16	1.16	1.16	1.17				
IC	8	405	1.20	1.20	1.20	1.19	1.19	1.19	1.20	1.20	1.23	1.22
IC	8	415	1.22	1.22	1.22	1.22	1.22	1.22	1.21	1.21	1.21	1.21
IC	8	425	1.21	1.21	1.21	1.21	1.20	1.20	1.20	1.20	1.20	1.20
IC	8	435	1.20	1.20	1.20	1.19	1.19	1.19	1.19	1.19	1.19	1.19
IC	8	445	1.19	1.19	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
IC	8	455	1.18	1.18	1.18	1.17	1.17	1.17	1.17	1.17	1.17	1.17
IC	8	465	1.17	1.17	1.17	1.18	1.20	1.20	1.20	1.20	1.20	1.20
IC	8	475	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
IC	8	485	1.19	1.19	1.18	1.18	1.18	1.18	1.18	1.18	1.17	1.17
IC	8	495	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
IC	8	505	1.17	1.17	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
IC	8	515	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.15	1.15
IC	8	525	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
IC	8	535	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.13	1.13
IC	8	545	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.11
IC	8	555	1.03	0.70								
BB	5	225	0.16	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.13	0.13
BB	5	235	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
BB	5	245	0.13	0.14	0.14	0.14	0.15					
BB	6	250	0.17	0.25	0.32	0.38	0.44	0.50	0.56	0.61	0.65	0.70
BB	6	260	0.74	0.78	0.82	0.85	0.89	0.92	0.95	0.97	1.00	1.03
BB	6	270	1.05	1.07	1.10	1.12	1.14	1.16	1.17	1.19	1.21	1.22

BB	6	280	1.24	1.25	1.27	1.28	1.29					
BB	7	285	1.29	1.28	1.27	1.26	1.25	1.25	1.24	1.23	1.23	1.22
BB	7	295	1.21	1.21	1.20	1.20	1.19	1.18	1.18	1.17	1.17	1.16
BB	7	305	1.16	1.15	1.15	1.14	1.14	1.13	1.13	1.13	1.12	1.12
BB	7	315	1.11	1.11	1.10	1.10	1.10	1.09	1.09	1.09	1.08	1.08
BB	7	325	1.08	1.07	1.07	1.07	1.06	1.06	1.06	1.06	1.05	1.05
BB	7	335	1.05	1.04	1.04	1.04	1.04	1.03	1.03	1.03	1.03	1.03
BB	7	345	1.02	1.02	1.02	1.02	1.01	1.01	1.01	1.03	1.02	1.02
BB	7	355	1.02	1.02	1.02	1.01	1.01	1.01	1.01	1.01	1.00	1.00
BB	7	365	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99	1.23	1.23
BB	7	375	1.23	1.23	1.23	1.23	1.22	1.22	1.22	1.22	1.22	1.22
BB	7	385	1.21	1.21	1.21	1.21	1.21	1.21	1.20	1.20	1.20	1.20
BB	7	395	1.20	1.20	1.20	1.19	1.19	1.19	1.45	1.45	1.44	1.44

INTERMEDIATE REPORT

Ammonia Nitrogen — LA-QUAL calibration for Gulf ICWW and Bayou Black

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	1	11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	1	21	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	1	31	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12		
IC	2	39	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12
IC	2	49	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13
IC	2	59	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
IC	2	69	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13
IC	2	79	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	2	89	0.11	0.11								
IC	3	91	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	3	101	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	3	111	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11
IC	3	121	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11		
IC	4	129	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12
IC	4	139	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	4	149	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	4	159	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	4	169	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	4	179	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	4	189	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	4	199	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	4	209	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	4	219	0.11	0.11	0.11	0.11	0.11	0.11				
IC	8	405	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	8	415	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	425	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	435	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11
IC	8	445	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	8	455	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	8	465	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	8	475	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	485	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

IC	8	495	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	505	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	515	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	525	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	535	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	545	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	555	0.12	0.13								
BB	5	225	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BB	5	235	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BB	5	245	0.01	0.01	0.01	0.01	0.01					
BB	6	250	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04
BB	6	260	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
BB	6	270	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08
BB	6	280	0.08	0.08	0.08	0.08	0.08					
BB	7	285	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.08
BB	7	295	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07
BB	7	305	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	315	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	325	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	335	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	345	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.84	0.75	0.67
BB	7	355	0.60	0.55	0.49	0.45	0.41	0.37	0.34	0.31	0.28	0.26
BB	7	365	0.24	0.22	0.20	0.19	0.18	0.17	0.16	0.15	0.12	0.11
BB	7	375	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10
BB	7	385	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
BB	7	395	0.09	0.09	0.09	0.09	0.09	0.09	0.12	0.12	0.12	0.12

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — LA-QUAL calibration for Gulf ICWW and Bayou Black

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	2	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	89	0.00	0.00								
IC	3	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	4	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IC	4	189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	209	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	219	0.00	0.00	0.00	0.00	0.00	0.00				
IC	8	405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	425	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	455	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	465	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	485	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	495	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	505	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	515	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	545	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	555	0.00	0.00								
BB	5	225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	245	0.00	0.00	0.00	0.00	0.00					
BB	6	250	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	280	0.00	0.00	0.00	0.00	0.00					
BB	7	285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL calibration for Gulf ICWW and Bayou Black

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
IC	1	11	1.43	1.43	1.43	1.43	1.42	1.42	1.42	1.42	1.42	1.42
IC	1	21	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.44	1.44	1.45
IC	1	31	1.46	1.47	1.48	1.50	1.52	1.55	1.59	1.63		
IC	2	39	1.69	1.69	1.69	1.68	1.68	1.68	1.68	1.68	1.67	1.67
IC	2	49	1.67	1.67	1.66	1.66	1.66	1.66	1.65	1.65	1.65	1.64
IC	2	59	1.62	1.61	1.60	1.59	1.58	1.57	1.55	1.54	1.53	1.52

IC	2	69	1.51	1.50	1.48	1.47	1.46	1.45	1.44	1.43	1.42	1.41
IC	2	79	1.40	1.39	1.38	1.37	1.36	1.35	1.34	1.33	1.32	1.31
IC	2	89	1.32	1.31								
IC	3	91	1.31	1.30	1.30	1.29	1.29	1.28	1.28	1.27	1.27	1.27
IC	3	101	1.26	1.26	1.25	1.25	1.25	1.24	1.24	1.24	1.23	1.23
IC	3	111	1.23	1.22	1.22	1.22	1.23	1.25	1.35	1.35	1.35	1.35
IC	3	121	1.34	1.34	1.34	1.34	1.34	1.33	1.33	1.33		
IC	4	129	1.33	1.33	1.33	1.33	1.33	1.32	1.32	1.32	1.32	1.32
IC	4	139	1.32	1.32	1.32	1.32	1.32	1.32	1.31	1.31	1.31	1.31
IC	4	149	1.31	1.31	1.31	1.31	1.31	1.31	1.30	1.30	1.30	1.30
IC	4	159	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.29	1.29
IC	4	169	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.28	1.28	1.28
IC	4	179	1.28	1.28	1.31	1.31	1.30	1.30	1.30	1.30	1.30	1.30
IC	4	189	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.29	1.29
IC	4	199	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.28	1.28
IC	4	209	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
IC	4	219	1.28	1.27	1.27	1.27	1.27	1.28				
IC	8	405	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.34	1.34
IC	8	415	1.34	1.34	1.34	1.33	1.33	1.33	1.33	1.33	1.33	1.33
IC	8	425	1.33	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.31
IC	8	435	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.30	1.30	1.30
IC	8	445	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.29
IC	8	455	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.28	1.28	1.28
IC	8	465	1.28	1.28	1.28	1.29	1.31	1.31	1.31	1.31	1.31	1.31
IC	8	475	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.30	1.30	1.30
IC	8	485	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.29
IC	8	495	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
IC	8	505	1.29	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
IC	8	515	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.27	1.27
IC	8	525	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
IC	8	535	1.26	1.26	1.26	1.25	1.25	1.25	1.25	1.25	1.25	1.25
IC	8	545	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.24	1.23
IC	8	555	1.15	0.83								
BB	5	225	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.14	0.14	0.14
BB	5	235	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
BB	5	245	0.14	0.14	0.15	0.15	0.16					
BB	6	250	0.18	0.26	0.33	0.40	0.47	0.53	0.58	0.64	0.69	0.74
BB	6	260	0.78	0.82	0.86	0.90	0.94	0.97	1.00	1.03	1.06	1.09
BB	6	270	1.11	1.14	1.16	1.18	1.20	1.22	1.24	1.26	1.29	1.30
BB	6	280	1.32	1.33	1.35	1.36	1.37					
BB	7	285	1.36	1.36	1.35	1.34	1.33	1.32	1.32	1.32	1.31	1.30
BB	7	295	1.30	1.29	1.28	1.28	1.27	1.26	1.26	1.25	1.24	1.24
BB	7	305	1.23	1.23	1.22	1.22	1.21	1.21	1.20	1.20	1.20	1.19
BB	7	315	1.19	1.18	1.18	1.17	1.17	1.16	1.16	1.16	1.15	1.15
BB	7	325	1.14	1.14	1.14	1.13	1.13	1.13	1.13	1.12	1.12	1.12
BB	7	335	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.09	1.09
BB	7	345	1.09	1.09	1.08	1.08	1.08	1.08	1.08	1.86	1.77	1.69
BB	7	355	1.62	1.56	1.51	1.46	1.42	1.38	1.34	1.31	1.28	1.26
BB	7	365	1.24	1.22	1.20	1.18	1.18	1.16	1.15	1.14	1.35	1.35
BB	7	375	1.34	1.34	1.34	1.33	1.33	1.33	1.32	1.32	1.32	1.31

BB	7	385	1.31	1.31	1.31	1.30	1.30	1.30	1.30	1.29	1.29	1.29
BB	7	395	1.29	1.29	1.28	1.28	1.28	1.28	1.56	1.56	1.56	1.56

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL calibration for Gulf ICWW and Bayou Black

µg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	1	11	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	1	21	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	1	31	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
IC	2	39	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	49	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	59	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	69	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	79	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	89	20.00	20.00								
IC	3	91	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	3	101	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	3	111	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	3	121	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
IC	4	129	20.04	20.08	20.12	20.17	20.21	20.25	20.29	20.33	20.38	20.42
IC	4	139	20.46	20.50	20.54	20.58	20.62	20.67	20.71	20.75	20.79	20.83
IC	4	149	20.88	20.92	20.96	21.00	21.04	21.08	21.12	21.17	21.21	21.25
IC	4	159	21.29	21.33	21.38	21.42	21.46	21.50	21.54	21.58	21.62	21.67
IC	4	169	21.71	21.75	21.79	21.83	21.88	21.92	21.96	22.00	22.04	22.08
IC	4	179	22.12	22.17	22.21	22.25	22.29	22.33	22.38	22.42	22.46	22.50
IC	4	189	22.54	22.58	22.62	22.67	22.71	22.75	22.79	22.83	22.88	22.92
IC	4	199	22.96	23.00	23.04	23.08	23.12	23.17	23.21	23.25	23.29	23.33
IC	4	209	23.38	23.42	23.46	23.50	23.54	23.58	23.62	23.67	23.71	23.75
IC	4	219	23.79	23.83	23.88	23.92	23.96	24.00				
IC	8	405	23.98	23.96	23.94	23.92	23.90	23.88	23.86	23.84	23.82	23.80
IC	8	415	23.78	23.76	23.74	23.72	23.70	23.68	23.66	23.64	23.62	23.61
IC	8	425	23.59	23.57	23.55	23.53	23.51	23.49	23.47	23.45	23.43	23.41
IC	8	435	23.39	23.37	23.35	23.33	23.31	23.29	23.27	23.25	23.23	23.21
IC	8	445	23.19	23.17	23.15	23.13	23.11	23.09	23.07	23.05	23.03	23.01
IC	8	455	22.99	22.97	22.95	22.93	22.91	22.89	22.88	22.86	22.84	22.82
IC	8	465	22.80	22.78	22.76	22.74	22.72	22.70	22.68	22.66	22.64	22.62
IC	8	475	22.60	22.58	22.56	22.54	22.52	22.50	22.48	22.46	22.44	22.42
IC	8	485	22.40	22.38	22.36	22.34	22.32	22.30	22.28	22.26	22.24	22.22
IC	8	495	22.20	22.18	22.16	22.14	22.12	22.11	22.09	22.07	22.05	22.03
IC	8	505	22.01	21.99	21.97	21.95	21.93	21.91	21.89	21.87	21.85	21.83
IC	8	515	21.81	21.79	21.77	21.75	21.73	21.71	21.69	21.67	21.65	21.63
IC	8	525	21.61	21.59	21.57	21.55	21.53	21.51	21.49	21.47	21.45	21.43
IC	8	535	21.41	21.39	21.38	21.36	21.34	21.32	21.30	21.28	21.26	21.24
IC	8	545	21.22	21.20	21.18	21.16	21.14	21.12	21.10	21.08	21.06	21.04
IC	8	555	21.02	21.00								
BB	5	225	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
BB	5	235	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
BB	5	245	25.00	25.00	25.00	25.00	25.00					
BB	6	250	25.71	26.43	27.14	27.86	28.57	29.29	30.00	30.71	31.43	32.14

BB	6	260	32.86	33.57	34.29	35.00	35.71	36.43	37.14	37.86	38.57	39.29
BB	6	270	40.00	40.71	41.43	42.14	42.86	43.57	44.29	45.00	45.71	46.43
BB	6	280	47.14	47.86	48.57	49.29	50.00					
BB	7	285	49.78	49.57	49.35	49.13	48.92	48.70	48.48	48.27	48.05	47.83
BB	7	295	47.62	47.40	47.18	46.97	46.75	46.53	46.32	46.10	45.88	45.67
BB	7	305	45.45	45.23	45.02	44.80	44.58	44.37	44.15	43.93	43.72	43.50
BB	7	315	43.28	43.07	42.85	42.63	42.42	42.20	41.98	41.77	41.55	41.33
BB	7	325	41.12	40.90	40.68	40.47	40.25	40.03	39.82	39.60	39.38	39.17
BB	7	335	38.95	38.73	38.52	38.30	38.08	37.87	37.65	37.43	37.22	37.00
BB	7	345	36.78	36.57	36.35	36.13	35.92	35.70	35.48	35.27	35.05	34.83
BB	7	355	34.62	34.40	34.18	33.97	33.75	33.53	33.32	33.10	32.88	32.67
BB	7	365	32.45	32.23	32.02	31.80	31.58	31.37	31.15	30.93	30.72	30.50
BB	7	375	30.28	30.07	29.85	29.63	29.42	29.20	28.98	28.77	28.55	28.33
BB	7	385	28.12	27.90	27.68	27.47	27.25	27.03	26.82	26.60	26.38	26.17
BB	7	395	25.95	25.73	25.52	25.30	25.08	24.87	24.65	24.43	24.22	24.00

INTERMEDIATE REPORT

Temperature — LA-QUAL calibration for Gulf ICWW and Bayou Black

deg C — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	31.22	31.24	31.26	31.28	31.31	31.33	31.35	31.37	31.39	31.41
IC	1	11	31.43	31.45	31.47	31.49	31.52	31.54	31.56	31.58	31.60	31.62
IC	1	21	31.64	31.66	31.68	31.71	31.73	31.75	31.77	31.79	31.81	31.83
IC	1	31	31.85	31.87	31.89	31.92	31.94	31.96	31.98	32.00		
IC	2	39	32.00	32.00	32.01	32.01	32.01	32.01	32.01	32.02	32.02	32.02
IC	2	49	32.02	32.02	32.03	32.03	32.03	32.03	32.03	32.03	32.04	32.04
IC	2	59	32.04	32.04	32.04	32.05	32.05	32.05	32.05	32.05	32.06	32.06
IC	2	69	32.06	32.06	32.06	32.07	32.07	32.07	32.07	32.07	32.08	32.08
IC	2	79	32.08	32.08	32.08	32.08	32.09	32.09	32.09	32.09	32.09	32.10
IC	2	89	32.10	32.10								
IC	3	91	32.11	32.11	32.12	32.12	32.13	32.13	32.14	32.14	32.15	32.15
IC	3	101	32.16	32.16	32.17	32.17	32.18	32.18	32.19	32.19	32.20	32.21
IC	3	111	32.21	32.22	32.22	32.23	32.23	32.24	32.24	32.25	32.25	32.26
IC	3	121	32.26	32.27	32.27	32.28	32.28	32.29	32.29	32.30		
IC	4	129	32.30	32.29	32.29	32.28	32.28	32.27	32.27	32.27	32.26	32.26
IC	4	139	32.25	32.25	32.25	32.24	32.24	32.23	32.23	32.22	32.22	32.22
IC	4	149	32.21	32.21	32.20	32.20	32.20	32.19	32.19	32.18	32.18	32.17
IC	4	159	32.17	32.17	32.16	32.16	32.15	32.15	32.15	32.14	32.14	32.13
IC	4	169	32.13	32.12	32.12	32.12	32.11	32.11	32.10	32.10	32.10	32.09
IC	4	179	32.09	32.08	32.08	32.08	32.07	32.07	32.06	32.06	32.05	32.05
IC	4	189	32.05	32.04	32.04	32.03	32.03	32.02	32.02	32.02	32.01	32.01
IC	4	199	32.00	32.00	32.00	31.99	31.99	31.98	31.98	31.98	31.97	31.97
IC	4	209	31.96	31.96	31.95	31.95	31.95	31.94	31.94	31.93	31.93	31.92
IC	4	219	31.92	31.92	31.91	31.91	31.90	31.90				
IC	8	405	31.90	31.90	31.90	31.91	31.91	31.91	31.91	31.91	31.91	31.91
IC	8	415	31.91	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.93
IC	8	425	31.93	31.93	31.93	31.93	31.93	31.93	31.94	31.94	31.94	31.94
IC	8	435	31.94	31.94	31.94	31.94	31.95	31.95	31.95	31.95	31.95	31.95
IC	8	445	31.95	31.96	31.96	31.96	31.96	31.96	31.96	31.96	31.96	31.97
IC	8	455	31.97	31.97	31.97	31.97	31.97	31.97	31.97	31.98	31.98	31.98
IC	8	465	31.98	31.98	31.98	31.98	31.99	31.99	31.99	31.99	31.99	31.99

IC	8	475	31.99	31.99	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.01
IC	8	485	32.01	32.01	32.01	32.01	32.01	32.01	32.01	32.02	32.02	32.02
IC	8	495	32.02	32.02	32.02	32.02	32.02	32.03	32.03	32.03	32.03	32.03
IC	8	505	32.03	32.03	32.04	32.04	32.04	32.04	32.04	32.04	32.04	32.04
IC	8	515	32.05	32.05	32.05	32.05	32.05	32.05	32.05	32.06	32.06	32.06
IC	8	525	32.06	32.06	32.06	32.06	32.06	32.07	32.07	32.07	32.07	32.07
IC	8	535	32.07	32.07	32.07	32.08	32.08	32.08	32.08	32.08	32.08	32.08
IC	8	545	32.09	32.09	32.09	32.09	32.09	32.09	32.09	32.09	32.10	32.10
IC	8	555	32.10	32.10								
BB	5	225	32.10	32.09	32.09	32.08	32.08	32.08	32.07	32.07	32.06	32.06
BB	5	235	32.06	32.05	32.05	32.04	32.04	32.04	32.03	32.03	32.02	32.02
BB	5	245	32.02	32.01	32.01	32.00	32.00					
BB	6	250	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
BB	6	260	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
BB	6	270	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
BB	6	280	32.00	32.00	32.00	32.00	32.00					
BB	7	285	32.00	32.00	32.00	32.00	32.00	32.00	31.99	31.99	31.99	31.99
BB	7	295	31.99	31.99	31.99	31.99	31.99	31.99	31.99	31.99	31.98	31.98
BB	7	305	31.98	31.98	31.98	31.98	31.98	31.98	31.98	31.98	31.98	31.98
BB	7	315	31.97	31.97	31.97	31.97	31.97	31.97	31.97	31.97	31.97	31.97
BB	7	325	31.97	31.97	31.96	31.96	31.96	31.96	31.96	31.96	31.96	31.96
BB	7	335	31.96	31.96	31.96	31.95	31.95	31.95	31.95	31.95	31.95	31.95
BB	7	345	31.95	31.95	31.95	31.95	31.95	31.94	31.94	31.94	31.94	31.94
BB	7	355	31.94	31.94	31.94	31.94	31.94	31.94	31.94	31.93	31.93	31.93
BB	7	365	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.92
BB	7	375	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.92
BB	7	385	31.92	31.91	31.91	31.91	31.91	31.91	31.91	31.91	31.91	31.91
BB	7	395	31.91	31.91	31.91	31.90	31.90	31.90	31.90	31.90	31.90	31.90

INTERMEDIATE REPORT

Salinity — LA-QUAL calibration for Gulf ICWW and Bayou Black

ppt — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	2	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	89	0.00	0.00								
IC	3	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	4	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IC	4	169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	209	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	219	0.00	0.00	0.00	0.00	0.00	0.00				
IC	8	405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	425	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	455	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	465	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	485	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	495	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	505	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	515	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	545	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	555	0.00	0.00								
BB	5	225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	245	0.00	0.00	0.00	0.00	0.00					
BB	6	250	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	280	0.00	0.00	0.00	0.00	0.00					
BB	7	285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

INTERMEDIATE REPORT

Reaeration Rate per day — LA-QUAL calibration for Gulf ICWW and Bayou Black; FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.092	0.092	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
IC	1	11	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
IC	1	21	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
IC	1	31	0.093	0.093	0.094	0.094	0.094	0.094	0.094	0.094		
IC	2	39	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065

IC	2	49	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
IC	2	59	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
IC	2	69	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
IC	2	79	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
IC	2	89	0.065	0.065								
IC	3	91	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	3	101	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	3	111	0.068	0.068	0.068	0.068	0.068	0.069	0.069	0.069	0.069	0.069
IC	3	121	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069		
IC	4	129	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	139	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	149	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	159	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	169	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	179	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	189	0.072	0.072	0.072	0.072	0.072	0.072	0.071	0.071	0.071	0.071
IC	4	199	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
IC	4	209	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
IC	4	219	0.071	0.071	0.071	0.071	0.071	0.071				
IC	8	405	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	415	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	425	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	435	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	445	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	455	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	465	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	475	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	485	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	495	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	505	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	515	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	525	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	535	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	545	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	555	0.068	0.068								
BB	5	225	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191
BB	5	235	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191
BB	5	245	0.191	0.191	0.191	0.191	0.191					
BB	6	250	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	6	260	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	6	270	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	6	280	0.751	0.751	0.751	0.751	0.751					
BB	7	285	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	295	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	305	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	315	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	325	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	335	0.751	0.751	0.751	0.751	0.751	0.751	0.750	0.750	0.750	0.750
BB	7	345	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
BB	7	355	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750

BB	7	365	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
BB	7	375	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
BB	7	385	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
BB	7	395	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750

INTERMEDIATE REPORT

BOD Decay Rate per day — LA-QUAL calibration for Gulf ICWW and Bayou Black; FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	1	11	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26
IC	1	21	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	1	31	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26		
IC	2	39	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	49	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	59	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	69	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	79	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	89	0.26	0.26								
IC	3	91	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	3	101	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	3	111	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	3	121	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26		
IC	4	129	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	139	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	149	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	159	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	169	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	179	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	189	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	199	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	209	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	219	0.26	0.26	0.26	0.26	0.26	0.26				
IC	8	405	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	415	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	425	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	435	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	445	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	455	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	465	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	475	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	485	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	495	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	505	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	515	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	525	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	535	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	545	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	555	0.26	0.26								
BB	5	225	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	5	235	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26

BB	5	245	0.26	0.26	0.26	0.26	0.26					
BB	6	250	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	6	260	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	6	270	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	6	280	0.26	0.26	0.26	0.26	0.26					
BB	7	285	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	295	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	305	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	315	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	325	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	335	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	345	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	355	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	365	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	375	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	385	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	395	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29

INTERMEDIATE REPORT

BOD Settling Rate — LA-QUAL calibration for Gulf ICWW and Bayou Black

per day — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	2	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	89	0.00	0.00								
IC	3	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	4	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	209	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	219	0.00	0.00	0.00	0.00	0.00	0.00				
IC	8	405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	425	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IC	8	455	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	465	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	485	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	495	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	505	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	515	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	545	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	555	0.00	0.00								
BB	5	225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	245	0.00	0.00	0.00	0.00	0.00					
BB	6	250	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	280	0.00	0.00	0.00	0.00	0.00					
BB	7	285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

INTERMEDIATE REPORT

Ammonia Decay Rate per day — LA-QUAL calibration for Gulf ICWW and Bayou Black; FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	1	11	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	1	21	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	1	31	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.26		
IC	2	39	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25
IC	2	49	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	2	59	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26
IC	2	69	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27
IC	2	79	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28
IC	2	89	0.28	0.28								
IC	3	91	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	3	101	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	3	111	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.27	0.27	0.27
IC	3	121	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26		
IC	4	129	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	139	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26

IC	4	149	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	159	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	169	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	179	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	4	189	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	4	199	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	4	209	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	4	219	0.27	0.27	0.27	0.27	0.27	0.27				
IC	8	405	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	8	415	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	8	425	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	435	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	445	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	455	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	465	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25
IC	8	475	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	485	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	495	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	505	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	515	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	525	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
IC	8	535	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
IC	8	545	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
IC	8	555	0.24	0.25								
BB	5	225	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
BB	5	235	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
BB	5	245	0.45	0.45	0.45	0.45	0.45					
BB	6	250	0.45	0.45	0.45	0.44	0.43	0.43	0.43	0.42	0.42	0.42
BB	6	260	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
BB	6	270	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
BB	6	280	0.42	0.42	0.43	0.43	0.43					
BB	7	285	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
BB	7	295	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42
BB	7	305	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
BB	7	315	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41
BB	7	325	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
BB	7	335	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
BB	7	345	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.40	0.39	0.38
BB	7	355	0.38	0.38	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38
BB	7	365	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.44	0.44
BB	7	375	0.44	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.41	0.41
BB	7	385	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.40
BB	7	395	0.39	0.39	0.39	0.39	0.39	0.39	0.36	0.36	0.36	0.36

INTERMEDIATE REPORT

Sediment Oxygen Demand — LA-QUAL calibration for Gulf ICWW and Bayou Black

g/m²/d — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.05	2.05	2.05
IC	1	11	2.05	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.08	2.08
IC	1	21	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.11

IC	1	31	2.11	2.11	2.12	2.12	2.12	2.12	2.13	2.13		
IC	2	39	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
IC	2	49	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
IC	2	59	2.13	2.13	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
IC	2	69	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
IC	2	79	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
IC	2	89	2.14	2.14								
IC	3	91	4.29	4.29	4.29	4.29	4.29	4.29	4.30	4.30	4.30	4.30
IC	3	101	4.30	4.30	4.30	4.31	4.31	4.31	4.31	4.31	4.31	4.31
IC	3	111	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.33	4.33	4.33
IC	3	121	4.33	4.33	4.33	4.33	4.34	4.34	4.34	4.34		
IC	4	129	4.77	4.77	4.77	4.77	4.77	4.77	4.76	4.76	4.76	4.76
IC	4	139	4.76	4.76	4.76	4.76	4.75	4.75	4.75	4.75	4.75	4.75
IC	4	149	4.75	4.75	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74
IC	4	159	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.72	4.72
IC	4	169	4.72	4.72	4.72	4.72	4.72	4.72	4.71	4.71	4.71	4.71
IC	4	179	4.71	4.71	4.71	4.71	4.70	4.70	4.70	4.70	4.70	4.70
IC	4	189	4.70	4.70	4.70	4.69	4.69	4.69	4.69	4.69	4.69	4.69
IC	4	199	4.69	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.67
IC	4	209	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.66	4.66	4.66
IC	4	219	4.66	4.66	4.66	4.66	4.66	4.65				
IC	8	405	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
IC	8	415	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
IC	8	425	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
IC	8	435	1.48	1.48	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	445	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	455	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	465	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	475	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	485	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	495	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	505	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	515	1.49	1.49	1.49	1.50	1.50	1.50	1.50	1.50	1.50	1.50
IC	8	525	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
IC	8	535	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
IC	8	545	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
IC	8	555	1.50	1.50								
BB	5	225	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
BB	5	235	1.50	1.50	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
BB	5	245	1.49	1.49	1.49	1.49	1.49					
BB	6	250	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
BB	6	260	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
BB	6	270	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
BB	6	280	1.49	1.49	1.49	1.49	1.49					
BB	7	285	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
BB	7	295	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.76
BB	7	305	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	315	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	325	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	335	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76

BB	7	345	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	355	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	365	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.75	2.75
BB	7	375	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
BB	7	385	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
BB	7	395	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75

EXPANDED CAPSULE SUMMARY FOR ICWW

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	g/m²/d
	HDWTR		0.255	31.2	0.0	6.7	3.7	0.0	1.3	0.1	20.0												
1	IC 1	93.75	0.281	31.2	0.0	6.6	2.4	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.092	0.25	0.00	0.00	0.00	0.27	2.03
2	IC 1	93.50	0.308	31.2	0.0	6.6	2.4	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.092	0.25	0.00	0.00	0.00	0.27	2.03
3	IC 1	93.25	0.334	31.3	0.0	6.6	2.4	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.03
4	IC 1	93.00	0.360	31.3	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.04
5	IC 1	92.75	0.387	31.3	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.04
6	IC 1	92.50	0.413	31.3	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.04
7	IC 1	92.25	0.439	31.3	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.04
8	IC 1	92.00	0.466	31.4	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.05
9	IC 1	91.75	0.492	31.4	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.05
10	IC 1	91.50	0.518	31.4	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.05
11	IC 1	91.25	0.544	31.4	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.05
12	IC 1	91.00	0.571	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.06
13	IC 1	90.75	0.597	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.06
14	IC 1	90.50	0.623	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.28	2.06
15	IC 1	90.25	0.650	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.28	2.07
16	IC 1	90.00	0.676	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.28	2.07
17	IC 1	89.75	0.702	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.26	0.00	0.00	0.00	0.28	2.07
18	IC 1	89.50	0.729	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.26	0.00	0.00	0.00	0.28	2.07
19	IC 1	89.25	0.755	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.26	0.00	0.00	0.00	0.28	2.08
20	IC 1	89.00	0.781	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.26	0.00	0.00	0.00	0.28	2.08
21	IC 1	88.75	0.808	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.08
22	IC 1	88.50	0.834	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.08
23	IC 1	88.25	0.860	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.09
24	IC 1	88.00	0.887	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.09
25	IC 1	87.75	0.913	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.09
26	IC 1	87.50	0.939	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.10
27	IC 1	87.25	0.966	31.8	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.10
28	IC 1	87.00	0.992	31.8	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.10
29	IC 1	86.75	1.018	31.8	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.10
30	IC 1	86.50	1.044	31.8	0.0	6.5	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.11
31	IC 1	86.25	1.071	31.9	0.0	6.4	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.11
32	IC 1	86.00	1.097	31.9	0.0	6.3	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.11
33	IC 1	85.75	1.123	31.9	0.0	6.2	2.3	0.0	1.4	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.28	2.12
34	IC 1	85.50	1.150	31.9	0.0	6.0	2.4	0.0	1.4	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.28	2.12
35	IC 1	85.25	1.176	31.9	0.0	5.8	2.5	0.0	1.4	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.28	2.12
36	IC 1	85.00	1.202	32.0	0.0	5.5	2.7	0.0	1.4	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.27	2.12
37	IC 1	84.75	1.229	32.0	0.0	5.1	3.1	0.0	1.5	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.27	2.13
38	IC 1	84.50	1.255	32.0	0.0	4.7	3.7	0.0	1.5	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.26	2.13

WASTELOAD # 039 (Bayou Boeuff) ENTERS HERE

39	IC	2	84.25	49.177	32.0	0.0	4.4	4.7	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
40	IC	2	84.00	49.193	32.0	0.0	4.3	4.6	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
41	IC	2	83.75	49.209	32.0	0.0	4.3	4.5	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
42	IC	2	83.50	49.226	32.0	0.0	4.2	4.4	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
43	IC	2	83.25	49.242	32.0	0.0	4.2	4.4	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
44	IC	2	83.00	49.259	32.0	0.0	4.1	4.3	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
45	IC	2	82.75	49.275	32.0	0.0	4.1	4.2	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
46	IC	2	82.50	49.292	32.0	0.0	4.0	4.1	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
47	IC	2	82.25	49.308	32.0	0.0	4.0	4.1	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
48	IC	2	82.00	49.325	32.0	0.0	4.0	4.0	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
49	IC	2	81.75	49.341	32.0	0.0	3.9	3.9	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
50	IC	2	81.50	49.357	32.0	0.0	3.9	3.9	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
51	IC	2	81.25	49.374	32.0	0.0	3.9	3.8	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
52	IC	2	81.00	49.390	32.0	0.0	3.9	3.7	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
53	IC	2	80.75	49.407	32.0	0.0	3.8	3.7	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
54	IC	2	80.50	49.423	32.0	0.0	3.8	3.6	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
55	IC	2	80.25	49.440	32.0	0.0	3.8	3.6	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
56	IC	2	80.00	49.456	32.0	0.0	3.8	3.5	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13

DIVERSION # 057 (Bayou Chene) LEAVES HERE

57	IC	2	79.75	12.997	32.0	0.0	3.8	3.5	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
58	IC	2	79.50	13.013	32.0	0.0	3.8	3.3	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
59	IC	2	79.25	13.030	32.0	0.0	3.8	3.2	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
60	IC	2	79.00	13.046	32.0	0.0	3.8	3.1	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
61	IC	2	78.75	13.062	32.0	0.0	3.8	3.0	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.14
62	IC	2	78.50	13.079	32.0	0.0	3.9	2.9	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.14
63	IC	2	78.25	13.095	32.0	0.0	3.9	2.8	0.0	1.4	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.14
64	IC	2	78.00	13.112	32.0	0.0	4.0	2.8	0.0	1.4	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
65	IC	2	77.75	13.128	32.1	0.0	4.1	2.7	0.0	1.4	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
66	IC	2	77.50	13.145	32.1	0.0	4.1	2.7	0.0	1.4	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
67	IC	2	77.25	13.161	32.1	0.0	4.2	2.6	0.0	1.4	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
68	IC	2	77.00	13.178	32.1	0.0	4.3	2.6	0.0	1.4	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
69	IC	2	76.75	13.194	32.1	0.0	4.3	2.6	0.0	1.4	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
70	IC	2	76.50	13.210	32.1	0.0	4.4	2.5	0.0	1.4	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
71	IC	2	76.25	13.227	32.1	0.0	4.5	2.5	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14

EXPANDED CAPSULE SUMMARY FOR ICWW

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
72	IC	2	76.00	13.243	32.1	0.0	4.6	2.5	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
73	IC	2	75.75	13.260	32.1	0.0	4.6	2.5	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.14
74	IC	2	75.50	13.276	32.1	0.0	4.7	2.5	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
75	IC	2	75.25	13.293	32.1	0.0	4.8	2.4	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
76	IC	2	75.00	13.309	32.1	0.0	4.9	2.4	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
77	IC	2	74.75	13.326	32.1	0.0	4.9	2.4	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
78	IC	2	74.50	13.342	32.1	0.0	5.0	2.4	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
79	IC	2	74.25	13.358	32.1	0.0	5.1	2.4	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
80	IC	2	74.00	13.375	32.1	0.0	5.2	2.4	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
81	IC	2	73.75	13.391	32.1	0.0	5.2	2.4	0.0	1.3	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
82	IC	2	73.50	13.408	32.1	0.0	5.3	2.4	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
83	IC	2	73.25	13.424	32.1	0.0	5.4	2.4	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14

84	IC	2	73.00	13.441	32.1	0.0	5.4	2.4	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
85	IC	2	72.75	13.457	32.1	0.0	5.5	2.4	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
86	IC	2	72.50	13.474	32.1	0.0	5.5	2.4	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
87	IC	2	72.25	13.490	32.1	0.0	5.6	2.4	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
88	IC	2	72.00	13.506	32.1	0.0	5.7	2.4	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
WASTELOAD # 089 (Unnamed Canal) ENTERS HERE																									
89	IC	2	71.75	15.080	32.1	0.0	5.7	2.7	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
90	IC	2	71.50	15.096	32.1	0.0	5.7	2.6	0.0	1.2	0.1	20.0	0.5	13.35	209.1	0.005	0.005	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
91	IC	3	71.25	15.113	32.1	0.0	5.6	2.6	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.28	4.29
92	IC	3	71.00	15.129	32.1	0.0	5.5	2.6	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.28	4.29
93	IC	3	70.75	15.146	32.1	0.0	5.4	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.29
94	IC	3	70.50	15.162	32.1	0.0	5.3	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.29
95	IC	3	70.25	15.179	32.1	0.0	5.3	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.29
96	IC	3	70.00	15.195	32.1	0.0	5.2	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.29
97	IC	3	69.75	15.212	32.1	0.0	5.2	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.30
98	IC	3	69.50	15.228	32.1	0.0	5.1	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.30
99	IC	3	69.25	15.244	32.1	0.0	5.1	2.4	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.30
100	IC	3	69.00	15.261	32.2	0.0	5.0	2.4	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.30
101	IC	3	68.75	15.277	32.2	0.0	5.0	2.4	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.30
102	IC	3	68.50	15.294	32.2	0.0	5.0	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.30
103	IC	3	68.25	15.310	32.2	0.0	4.9	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.30
104	IC	3	68.00	15.327	32.2	0.0	4.9	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.31
105	IC	3	67.75	15.343	32.2	0.0	4.9	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.31
106	IC	3	67.50	15.360	32.2	0.0	4.9	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.31
107	IC	3	67.25	15.376	32.2	0.0	4.9	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.31
108	IC	3	67.00	15.393	32.2	0.0	4.9	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.31
109	IC	3	66.75	15.409	32.2	0.0	4.8	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.31
110	IC	3	66.50	15.425	32.2	0.0	4.8	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.31
111	IC	3	66.25	15.442	32.2	0.0	4.8	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.32
112	IC	3	66.00	15.458	32.2	0.0	4.8	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.32
113	IC	3	65.75	15.475	32.2	0.0	4.8	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.32
114	IC	3	65.50	15.491	32.2	0.0	4.8	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.32
115	IC	3	65.25	15.508	32.2	0.0	4.8	2.5	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.32
116	IC	3	65.00	15.524	32.2	0.0	4.9	2.8	0.0	1.1	0.1	20.0	0.3	12.77	395.3	0.003	0.003	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.32
WASTELOAD # 117 (Copasaw Canal) ENTERS HERE																									
117	IC	3	64.75	30.829	32.2	0.0	5.4	4.0	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.28	4.32
118	IC	3	64.50	30.846	32.2	0.0	5.2	3.8	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
119	IC	3	64.25	30.862	32.3	0.0	5.0	3.7	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
120	IC	3	64.00	30.879	32.3	0.0	4.9	3.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
121	IC	3	63.75	30.895	32.3	0.0	4.7	3.4	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
122	IC	3	63.50	30.912	32.3	0.0	4.6	3.3	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
123	IC	3	63.25	30.928	32.3	0.0	4.5	3.2	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
124	IC	3	63.00	30.945	32.3	0.0	4.5	3.1	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
125	IC	3	62.75	30.961	32.3	0.0	4.4	3.0	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.26	4.34
126	IC	3	62.50	30.977	32.3	0.0	4.3	3.0	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.26	4.34
127	IC	3	62.25	30.994	32.3	0.0	4.3	2.9	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.26	4.34
128	IC	3	62.00	31.010	32.3	0.0	4.2	2.8	0.0	1.2	0.1	20.0	0.3	12.77	395.3	0.006	0.006	7.3	0.069	0.26	0.00	0.00	0.00	0.26	4.34
129	IC	4	61.75	31.027	32.3	0.0	4.2	2.8	0.0	1.2	0.1	20.0	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.77
130	IC	4	61.50	31.043	32.3	0.0	4.2	2.8	0.0	1.2	0.1	20.1	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.77
131	IC	4	61.25	31.060	32.3	0.0	4.2	2.8	0.0	1.2	0.1	20.1	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.77

132	IC	4	61.00	31.076	32.3	0.0	4.1	2.7	0.0	1.2	0.1	20.2	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.77
133	IC	4	60.75	31.093	32.3	0.0	4.1	2.7	0.0	1.2	0.1	20.2	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.77
134	IC	4	60.50	31.109	32.3	0.0	4.1	2.7	0.0	1.2	0.1	20.2	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.77
135	IC	4	60.25	31.125	32.3	0.0	4.1	2.7	0.0	1.2	0.1	20.3	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.76
136	IC	4	60.00	31.142	32.3	0.0	4.1	2.6	0.0	1.2	0.1	20.3	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.76
137	IC	4	59.75	31.158	32.3	0.0	4.1	2.6	0.0	1.2	0.1	20.4	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.76
138	IC	4	59.50	31.175	32.3	0.0	4.1	2.6	0.0	1.2	0.1	20.4	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.76
139	IC	4	59.25	31.191	32.3	0.0	4.1	2.6	0.0	1.2	0.1	20.5	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.76
140	IC	4	59.00	31.208	32.2	0.0	4.1	2.6	0.0	1.2	0.1	20.5	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.76
141	IC	4	58.75	31.224	32.2	0.0	4.1	2.6	0.0	1.2	0.1	20.5	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.76
142	IC	4	58.50	31.240	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.6	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.76
143	IC	4	58.25	31.257	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.6	0.3	12.19	190.0	0.013	0.013	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.75

EXPANDED CAPSULE SUMMARY FOR ICWW

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
144	IC	4	58.00	31.273	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.7	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.75
145	IC	4	57.75	31.290	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.7	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.75
146	IC	4	57.50	31.306	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.8	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.75
147	IC	4	57.25	31.323	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.8	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.75
148	IC	4	57.00	31.339	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.8	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.75
149	IC	4	56.75	31.356	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.9	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.75
150	IC	4	56.50	31.372	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.9	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.75
151	IC	4	56.25	31.388	32.2	0.0	4.1	2.5	0.0	1.2	0.1	21.0	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.74
152	IC	4	56.00	31.405	32.2	0.0	4.1	2.4	0.0	1.2	0.1	21.0	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.74
153	IC	4	55.75	31.421	32.2	0.0	4.1	2.4	0.0	1.2	0.1	21.0	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.74
154	IC	4	55.50	31.438	32.2	0.0	4.1	2.4	0.0	1.2	0.1	21.1	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.74
155	IC	4	55.25	31.454	32.2	0.0	4.1	2.4	0.0	1.2	0.1	21.1	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.74
156	IC	4	55.00	31.471	32.2	0.0	4.1	2.4	0.0	1.2	0.1	21.2	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.74
157	IC	4	54.75	31.487	32.2	0.0	4.1	2.4	0.0	1.2	0.1	21.2	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.74
158	IC	4	54.50	31.503	32.2	0.0	4.1	2.4	0.0	1.2	0.1	21.2	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.74
159	IC	4	54.25	31.520	32.2	0.0	4.1	2.4	0.0	1.2	0.1	21.3	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.73
160	IC	4	54.00	31.536	32.2	0.0	4.2	2.4	0.0	1.2	0.1	21.3	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.73
161	IC	4	53.75	31.553	32.2	0.0	4.2	2.4	0.0	1.2	0.1	21.4	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.73
162	IC	4	53.50	31.569	32.2	0.0	4.2	2.4	0.0	1.2	0.1	21.4	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.73
163	IC	4	53.25	31.586	32.2	0.0	4.2	2.4	0.0	1.2	0.1	21.5	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.73
164	IC	4	53.00	31.602	32.1	0.0	4.2	2.4	0.0	1.2	0.1	21.5	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.73
165	IC	4	52.75	31.619	32.1	0.0	4.2	2.4	0.0	1.2	0.1	21.5	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.73
166	IC	4	52.50	31.635	32.1	0.0	4.2	2.4	0.0	1.2	0.1	21.6	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.73
167	IC	4	52.25	31.651	32.1	0.0	4.3	2.4	0.0	1.2	0.1	21.6	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.72
168	IC	4	52.00	31.668	32.1	0.0	4.3	2.4	0.0	1.2	0.1	21.7	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.72
169	IC	4	51.75	31.684	32.1	0.0	4.3	2.4	0.0	1.2	0.1	21.7	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.72
170	IC	4	51.50	31.701	32.1	0.0	4.3	2.4	0.0	1.2	0.1	21.8	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.72
171	IC	4	51.25	31.717	32.1	0.0	4.3	2.4	0.0	1.2	0.1	21.8	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.72
172	IC	4	51.00	31.734	32.1	0.0	4.3	2.4	0.0	1.2	0.1	21.8	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.72
173	IC	4	50.75	31.750	32.1	0.0	4.3	2.3	0.0	1.2	0.1	21.9	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.72
174	IC	4	50.50	31.766	32.1	0.0	4.4	2.3	0.0	1.2	0.1	21.9	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.72
175	IC	4	50.25	31.783	32.1	0.0	4.4	2.3	0.0	1.2	0.1	22.0	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.71
176	IC	4	50.00	31.799	32.1	0.0	4.4	2.3	0.0	1.2	0.1	22.0	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.71
177	IC	4	49.75	31.816	32.1	0.0	4.4	2.3	0.0	1.2	0.1	22.0	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.71

178	IC	4	49.50	31.832	32.1	0.0	4.4	2.3	0.0	1.2	0.1	22.1	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.71
179	IC	4	49.25	31.849	32.1	0.0	4.5	2.3	0.0	1.2	0.1	22.1	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.71
180	IC	4	49.00	31.865	32.1	0.0	4.5	2.4	0.0	1.2	0.1	22.2	0.3	12.19	190.0	0.014	0.014	7.3	0.072	0.26	0.00	0.00	0.00	0.26	4.71

WASTELOAD # 181 (Minors Canal South) ENTERS HERE

DIVERSION # 181 (Minors Canal North) LEAVES HERE

181	IC	4	48.75	35.831	32.1	0.0	5.2	2.9	0.0	1.2	0.1	22.2	0.3	12.19	190.0	0.015	0.015	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.71
182	IC	4	48.50	35.848	32.1	0.0	5.2	2.9	0.0	1.2	0.1	22.2	0.3	12.19	190.0	0.015	0.015	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.71
183	IC	4	48.25	35.864	32.1	0.0	5.1	2.8	0.0	1.2	0.1	22.3	0.3	12.19	190.0	0.015	0.015	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
184	IC	4	48.00	35.880	32.1	0.0	5.1	2.8	0.0	1.2	0.1	22.3	0.3	12.19	190.0	0.015	0.015	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
185	IC	4	47.75	35.897	32.1	0.0	5.1	2.8	0.0	1.2	0.1	22.4	0.3	12.19	190.0	0.015	0.015	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
186	IC	4	47.50	35.913	32.1	0.0	5.1	2.8	0.0	1.2	0.1	22.4	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
187	IC	4	47.25	35.930	32.1	0.0	5.1	2.8	0.0	1.2	0.1	22.5	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
188	IC	4	47.00	35.946	32.0	0.0	5.1	2.7	0.0	1.2	0.1	22.5	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
189	IC	4	46.75	35.963	32.0	0.0	5.1	2.7	0.0	1.2	0.1	22.5	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
190	IC	4	46.50	35.979	32.0	0.0	5.1	2.7	0.0	1.2	0.1	22.6	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
191	IC	4	46.25	35.996	32.0	0.0	5.1	2.7	0.0	1.2	0.1	22.6	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.70
192	IC	4	46.00	36.012	32.0	0.0	5.1	2.7	0.0	1.2	0.1	22.7	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.69
193	IC	4	45.75	36.028	32.0	0.0	5.0	2.6	0.0	1.2	0.1	22.7	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.69
194	IC	4	45.50	36.045	32.0	0.0	5.0	2.6	0.0	1.2	0.1	22.8	0.3	12.19	190.0	0.016	0.016	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.69
195	IC	4	45.25	36.061	32.0	0.0	5.0	2.6	0.0	1.2	0.1	22.8	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.69
196	IC	4	45.00	36.078	32.0	0.0	5.0	2.6	0.0	1.2	0.1	22.8	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.69
197	IC	4	44.75	36.094	32.0	0.0	5.1	2.6	0.0	1.2	0.1	22.9	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.69
198	IC	4	44.50	36.111	32.0	0.0	5.1	2.6	0.0	1.2	0.1	22.9	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.69
199	IC	4	44.25	36.127	32.0	0.0	5.1	2.6	0.0	1.2	0.1	23.0	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.69
200	IC	4	44.00	36.143	32.0	0.0	5.1	2.6	0.0	1.2	0.1	23.0	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.68
201	IC	4	43.75	36.160	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.0	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.68
202	IC	4	43.50	36.176	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.1	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.68
203	IC	4	43.25	36.193	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.1	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.68
204	IC	4	43.00	36.209	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.2	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.68
205	IC	4	42.75	36.226	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.2	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.68
206	IC	4	42.50	36.242	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.2	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.68
207	IC	4	42.25	36.259	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.3	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.68
208	IC	4	42.00	36.275	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.3	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.67
209	IC	4	41.75	36.291	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.4	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.67
210	IC	4	41.50	36.308	32.0	0.0	5.1	2.5	0.0	1.2	0.1	23.4	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.67
211	IC	4	41.25	36.324	32.0	0.0	5.2	2.5	0.0	1.2	0.1	23.5	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.67
212	IC	4	41.00	36.341	31.9	0.0	5.2	2.5	0.0	1.2	0.1	23.5	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.67
213	IC	4	40.75	36.357	31.9	0.0	5.2	2.4	0.0	1.2	0.1	23.5	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.67
214	IC	4	40.50	36.374	31.9	0.0	5.2	2.4	0.0	1.2	0.1	23.6	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.67
215	IC	4	40.25	36.390	31.9	0.0	5.2	2.4	0.0	1.2	0.1	23.6	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.67

EXPANDED CAPSULE SUMMARY FOR ICWW

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
216	IC	4	40.00	36.406	31.9	0.0	5.2	2.4	0.0	1.2	0.1	23.7	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66
217	IC	4	39.75	36.423	31.9	0.0	5.2	2.4	0.0	1.2	0.1	23.7	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66
218	IC	4	39.50	36.439	31.9	0.0	5.3	2.4	0.0	1.2	0.1	23.8	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66
219	IC	4	39.25	36.456	31.9	0.0	5.3	2.4	0.0	1.2	0.1	23.8	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66
220	IC	4	39.00	36.472	31.9	0.0	5.3	2.4	0.0	1.2	0.1	23.8	0.3	12.19	190.0	0.016	0.016	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66

DIVERSION # 221 (Houma Nav. Can.) LEAVES HERE

221	IC	4	38.75	12.678	31.9	0.0	5.3	2.4	0.0	1.2	0.1	23.9	0.3	12.19	190.0	0.005	0.005	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66
222	IC	4	38.50	12.694	31.9	0.0	5.3	2.4	0.0	1.2	0.1	23.9	0.3	12.19	190.0	0.005	0.005	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66
WASTELOAD # 223 (PS ICWW#1) ENTERS HERE																									
223	IC	4	38.25	12.711	31.9	0.0	5.4	2.4	0.0	1.2	0.1	24.0	0.3	12.19	190.0	0.005	0.005	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66
224	IC	4	38.00	12.727	31.9	0.0	5.3	2.6	0.0	1.2	0.1	24.0	0.3	12.19	190.0	0.005	0.005	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.65
TRIBUTARY # 225 (Bayou Black) ENTERS HERE																									
405	IC	8	37.75	14.977	31.9	0.0	5.1	3.2	0.0	1.2	0.1	24.0	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
406	IC	8	37.50	14.999	31.9	0.0	5.2	3.2	0.0	1.2	0.1	24.0	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
407	IC	8	37.25	15.020	31.9	0.0	5.2	3.3	0.0	1.2	0.1	23.9	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
408	IC	8	37.00	15.042	31.9	0.0	5.3	3.3	0.0	1.2	0.1	23.9	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
409	IC	8	36.75	15.063	31.9	0.0	5.3	3.4	0.0	1.2	0.1	23.9	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
410	IC	8	36.50	15.085	31.9	0.0	5.3	3.4	0.0	1.2	0.1	23.9	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
411	IC	8	36.25	15.106	31.9	0.0	5.3	3.5	0.0	1.2	0.1	23.9	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
412	IC	8	36.00	15.127	31.9	0.0	5.3	3.6	0.0	1.2	0.1	23.8	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
WASTELOAD # 413 (Bayou Terrebonne W.) ENTERS HERE																									
DIVERSION # 413 (Bayou Terrebonne E.) LEAVES HERE																									
413	IC	8	35.75	15.602	31.9	0.0	5.1	4.0	0.0	1.2	0.1	23.8	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
414	IC	8	35.50	15.623	31.9	0.0	5.1	3.9	0.0	1.2	0.1	23.8	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
415	IC	8	35.25	15.645	31.9	0.0	5.1	3.9	0.0	1.2	0.1	23.8	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
416	IC	8	35.00	15.666	31.9	0.0	5.0	3.9	0.0	1.2	0.1	23.8	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
WASTELOAD # 417 (LA0111376) ENTERS HERE																									
417	IC	8	34.75	15.688	31.9	0.0	5.0	3.9	0.0	1.2	0.1	23.7	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
418	IC	8	34.50	15.709	31.9	0.0	5.0	3.9	0.0	1.2	0.1	23.7	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
419	IC	8	34.25	15.730	31.9	0.0	5.0	3.9	0.0	1.2	0.1	23.7	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
420	IC	8	34.00	15.752	31.9	0.0	5.0	3.9	0.0	1.2	0.1	23.7	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
421	IC	8	33.75	15.773	31.9	0.0	5.0	3.9	0.0	1.2	0.1	23.7	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
422	IC	8	33.50	15.795	31.9	0.0	5.0	3.9	0.0	1.2	0.1	23.6	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
423	IC	8	33.25	15.816	31.9	0.0	5.0	3.9	0.0	1.2	0.1	23.6	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
424	IC	8	33.00	15.837	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.6	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.48
425	IC	8	32.75	15.859	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.6	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
426	IC	8	32.50	15.880	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.6	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
427	IC	8	32.25	15.902	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.5	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
428	IC	8	32.00	15.923	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.5	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
429	IC	8	31.75	15.945	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.5	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
430	IC	8	31.50	15.966	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.5	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
431	IC	8	31.25	15.987	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.5	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
432	IC	8	31.00	16.009	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.4	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
433	IC	8	30.75	16.030	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.4	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
434	IC	8	30.50	16.052	31.9	0.0	4.9	3.9	0.0	1.2	0.1	23.4	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
435	IC	8	30.25	16.073	31.9	0.0	4.8	3.9	0.0	1.2	0.1	23.4	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
436	IC	8	30.00	16.095	31.9	0.0	4.8	3.9	0.0	1.2	0.1	23.4	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.48
437	IC	8	29.75	16.116	31.9	0.0	4.8	3.9	0.0	1.2	0.1	23.3	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
438	IC	8	29.50	16.137	31.9	0.0	4.8	3.9	0.0	1.2	0.1	23.3	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
439	IC	8	29.25	16.159	31.9	0.0	4.8	3.9	0.0	1.2	0.1	23.3	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
440	IC	8	29.00	16.180	31.9	0.0	4.8	3.9	0.0	1.2	0.1	23.3	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
441	IC	8	28.75	16.202	31.9	0.0	4.8	3.9	0.0	1.2	0.1	23.3	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
442	IC	8	28.50	16.223	31.9	0.0	4.8	3.9	0.0	1.2	0.1	23.2	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
443	IC	8	28.25	16.245	32.0	0.0	4.8	3.9	0.0	1.2	0.1	23.2	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
444	IC	8	28.00	16.266	32.0	0.0	4.8	3.9	0.0	1.2	0.1	23.2	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
445	IC	8	27.75	16.287	32.0	0.0	4.8	3.9	0.0	1.2	0.1	23.2	0.9	12.80	155.8	0.008	0.008	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49

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446 IC  8   27.50  16.309 32.0  0.0  4.8   3.9   0.0  1.2  0.1 23.2    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
447 IC  8   27.25  16.330 32.0  0.0  4.8   3.9   0.0  1.2  0.1 23.2    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
448 IC  8   27.00  16.352 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.1    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
449 IC  8   26.75  16.373 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.1    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
450 IC  8   26.50  16.394 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.1    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
451 IC  8   26.25  16.416 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.1    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
452 IC  8   26.00  16.437 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.1    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
453 IC  8   25.75  16.459 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.0    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
454 IC  8   25.50  16.480 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.0    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
455 IC  8   25.25  16.502 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.0    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
456 IC  8   25.00  16.523 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.0    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
457 IC  8   24.75  16.544 32.0  0.0  4.7   3.9   0.0  1.2  0.1 23.0    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
458 IC  8   24.50  16.566 32.0  0.0  4.7   3.9   0.0  1.2  0.1 22.9    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
459 IC  8   24.25  16.587 32.0  0.0  4.7   3.9   0.0  1.2  0.1 22.9    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
460 IC  8   24.00  16.609 32.0  0.0  4.6   3.9   0.0  1.2  0.1 22.9    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
      WASTELOAD # 461 (LA0104868) ENTERS HERE
461 IC  8   23.75  16.630 32.0  0.0  4.6   3.9   0.0  1.2  0.1 22.9    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
462 IC  8   23.50  16.652 32.0  0.0  4.6   3.9   0.0  1.2  0.1 22.9    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
EXPANDED CAPSULE SUMMARY FOR ICWW
                                                                ADVEC   MEAN   DO   REAER BOD1 BOD1 BOD2 BOD2  NH3
IOR REACH    DIST   FLOW  TEMP SALN   DO EBOD1 EBOD2ORG-N  NH3 CHLA   DISP  DEPTH WIDTH   VELO   VELO   SAT   RATE DECA SETT DECA SETT DECA   SOD
          km    m³/s deg C  ppt mg/L  mg/L  mg/L mg/L  mg/L µg/L   m²/s     m     m    m/s    m/s  mg/L   1/da 1/da 1/da 1/da 1/da 1/da  g/m²/d
463 IC  8   23.25  16.673 32.0  0.0  4.6   3.9   0.0  1.2  0.1 22.8    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
464 IC  8   23.00  16.694 32.0  0.0  4.6   3.9   0.0  1.2  0.1 22.8    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
465 IC  8   22.75  16.716 32.0  0.0  4.6   3.9   0.0  1.2  0.1 22.8    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
466 IC  8   22.50  16.737 32.0  0.0  4.6   3.9   0.0  1.2  0.1 22.8    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
      WASTELOAD # 467 (LA0089648) ENTERS HERE
467 IC  8   22.25  16.762 32.0  0.0  4.5   3.9   0.0  1.2  0.1 22.8    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
468 IC  8   22.00  16.784 32.0  0.0  4.5   4.1   0.0  1.2  0.1 22.7    0.9  12.80 155.8  0.008  0.008   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
      WASTELOAD # 469 (Company Canal North) ENTERS HERE
      DIVERSION # 469 (Company Canal South) LEAVES HERE
469 IC  8   21.75  20.429 32.0  0.0  4.3   4.9   0.0  1.2  0.1 22.7    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
470 IC  8   21.50  20.450 32.0  0.0  4.2   4.8   0.0  1.2  0.1 22.7    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
471 IC  8   21.25  20.472 32.0  0.0  4.2   4.8   0.0  1.2  0.1 22.7    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
472 IC  8   21.00  20.493 32.0  0.0  4.1   4.7   0.0  1.2  0.1 22.7    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
473 IC  8   20.75  20.515 32.0  0.0  4.1   4.6   0.0  1.2  0.1 22.6    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
474 IC  8   20.50  20.536 32.0  0.0  4.0   4.6   0.0  1.2  0.1 22.6    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
475 IC  8   20.25  20.558 32.0  0.0  4.0   4.5   0.0  1.2  0.1 22.6    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
476 IC  8   20.00  20.579 32.0  0.0  3.9   4.5   0.0  1.2  0.1 22.6    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
477 IC  8   19.75  20.600 32.0  0.0  3.9   4.5   0.0  1.2  0.1 22.6    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
478 IC  8   19.50  20.622 32.0  0.0  3.9   4.4   0.0  1.2  0.1 22.5    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
479 IC  8   19.25  20.643 32.0  0.0  3.8   4.4   0.0  1.2  0.1 22.5    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
480 IC  8   19.00  20.665 32.0  0.0  3.8   4.3   0.0  1.2  0.1 22.5    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
481 IC  8   18.75  20.686 32.0  0.0  3.8   4.3   0.0  1.2  0.1 22.5    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
482 IC  8   18.50  20.707 32.0  0.0  3.7   4.3   0.0  1.2  0.1 22.5    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
483 IC  8   18.25  20.729 32.0  0.0  3.7   4.2   0.0  1.2  0.1 22.4    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
484 IC  8   18.00  20.750 32.0  0.0  3.7   4.2   0.0  1.2  0.1 22.4    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
485 IC  8   17.75  20.772 32.0  0.0  3.7   4.2   0.0  1.2  0.1 22.4    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
486 IC  8   17.50  20.793 32.0  0.0  3.7   4.2   0.0  1.2  0.1 22.4    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
487 IC  8   17.25  20.815 32.0  0.0  3.7   4.1   0.0  1.2  0.1 22.4    0.9  12.80 155.8  0.010  0.010   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
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488	IC	8	17.00	20.836	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.3	0.9	12.80	155.8	0.010	0.010	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
489	IC	8	16.75	20.857	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.3	0.9	12.80	155.8	0.010	0.010	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
490	IC	8	16.50	20.879	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.3	0.9	12.80	155.8	0.010	0.010	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
491	IC	8	16.25	20.900	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.3	0.9	12.80	155.8	0.010	0.010	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
492	IC	8	16.00	20.922	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.3	0.9	12.80	155.8	0.010	0.010	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
WASTELOAD # 493 (St Louis Canal) ENTERS HERE																									
493	IC	8	15.75	21.396	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.2	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
494	IC	8	15.50	21.418	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.2	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
495	IC	8	15.25	21.439	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.2	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
496	IC	8	15.00	21.460	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.2	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
497	IC	8	14.75	21.482	32.0	0.0	3.6	4.1	0.0	1.2	0.1	22.2	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
498	IC	8	14.50	21.503	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.1	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
499	IC	8	14.25	21.525	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.1	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
500	IC	8	14.00	21.546	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.1	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
501	IC	8	13.75	21.567	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.1	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
502	IC	8	13.50	21.589	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.1	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
503	IC	8	13.25	21.610	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.0	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
504	IC	8	13.00	21.632	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.0	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
505	IC	8	12.75	21.653	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.0	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
506	IC	8	12.50	21.675	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.0	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
507	IC	8	12.25	21.696	32.0	0.0	3.5	4.0	0.0	1.2	0.1	22.0	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
508	IC	8	12.00	21.717	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.9	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
509	IC	8	11.75	21.739	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.9	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
510	IC	8	11.50	21.760	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.9	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
511	IC	8	11.25	21.782	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.9	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
512	IC	8	11.00	21.803	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.9	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
513	IC	8	10.75	21.825	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.8	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
514	IC	8	10.50	21.846	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.8	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
515	IC	8	10.25	21.867	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.8	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
516	IC	8	10.00	21.889	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.8	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
517	IC	8	9.75	21.910	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.8	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
518	IC	8	9.50	21.932	32.0	0.0	3.5	3.9	0.0	1.2	0.1	21.8	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
519	IC	8	9.25	21.953	32.1	0.0	3.5	3.9	0.0	1.2	0.1	21.7	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
520	IC	8	9.00	21.974	32.1	0.0	3.5	3.9	0.0	1.2	0.1	21.7	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
521	IC	8	8.75	21.996	32.1	0.0	3.5	3.9	0.0	1.2	0.1	21.7	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
522	IC	8	8.50	22.017	32.1	0.0	3.5	3.9	0.0	1.2	0.1	21.7	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
523	IC	8	8.25	22.039	32.1	0.0	3.5	3.9	0.0	1.2	0.1	21.7	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
524	IC	8	8.00	22.060	32.1	0.0	3.5	3.9	0.0	1.2	0.1	21.6	0.9	12.80	155.8	0.011	0.011	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
WASTELOAD # 525 (Bayou Bleu North) ENTERS HERE																									
525	IC	8	7.75	23.299	32.1	0.0	3.5	4.1	0.0	1.1	0.1	21.6	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
526	IC	8	7.50	23.320	32.1	0.0	3.4	4.1	0.0	1.1	0.1	21.6	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
527	IC	8	7.25	23.342	32.1	0.0	3.4	4.1	0.0	1.1	0.1	21.6	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
528	IC	8	7.00	23.363	32.1	0.0	3.4	4.1	0.0	1.1	0.1	21.6	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
529	IC	8	6.75	23.385	32.1	0.0	3.4	4.0	0.0	1.1	0.1	21.5	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
530	IC	8	6.50	23.406	32.1	0.0	3.4	4.0	0.0	1.1	0.1	21.5	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
531	IC	8	6.25	23.428	32.1	0.0	3.4	4.0	0.0	1.1	0.1	21.5	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50

EXPANDED CAPSULE SUMMARY FOR ICWW

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	ADVEC DISP	MEAN DEPTH	MEAN WIDTH	DO VELO	REAER VELO	BOD1 SAT	BOD1 RATE	BOD2 DECA	BOD2 SETT	NH3 DECA	NH3 SETT	DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d

532	IC	8	6.00	23.449	32.1	0.0	3.4	4.0	0.0	1.1	0.1	21.5	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
533	IC	8	5.75	23.470	32.1	0.0	3.4	4.0	0.0	1.1	0.1	21.5	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
534	IC	8	5.50	23.492	32.1	0.0	3.4	4.0	0.0	1.1	0.1	21.4	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
535	IC	8	5.25	23.513	32.1	0.0	3.4	4.0	0.0	1.1	0.1	21.4	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
536	IC	8	5.00	23.535	32.1	0.0	3.4	4.0	0.0	1.1	0.1	21.4	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
537	IC	8	4.75	23.556	32.1	0.0	3.3	4.0	0.0	1.1	0.1	21.4	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
538	IC	8	4.50	23.578	32.1	0.0	3.3	4.0	0.0	1.1	0.1	21.4	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
539	IC	8	4.25	23.599	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.3	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
540	IC	8	4.00	23.620	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.3	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
DIVERSION # 541 (Bayou Bleu South) LEAVES HERE																									
541	IC	8	3.75	23.245	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.3	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
542	IC	8	3.50	23.267	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.3	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
543	IC	8	3.25	23.288	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.3	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
544	IC	8	3.00	23.310	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.2	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
545	IC	8	2.75	23.331	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.2	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
546	IC	8	2.50	23.353	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.2	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
547	IC	8	2.25	23.374	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.2	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
548	IC	8	2.00	23.395	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.2	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
WASTELOAD # 549 (PS ICWW#2) ENTERS HERE																									
549	IC	8	1.75	23.417	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.1	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
550	IC	8	1.50	23.438	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.1	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
551	IC	8	1.25	23.460	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.1	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
552	IC	8	1.00	23.481	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.1	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
553	IC	8	0.75	23.502	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.1	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
554	IC	8	0.50	23.524	32.1	0.0	3.3	3.9	0.0	1.1	0.1	21.0	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
555	IC	8	0.25	23.545	32.1	0.0	3.4	3.9	0.0	1.0	0.1	21.0	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.24	1.50
556	IC	8	0.00	23.567	32.1	0.0	3.8	3.8	0.0	0.7	0.1	21.0	0.9	12.80	155.8	0.012	0.012	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50

EXPANDED CAPSULE SUMMARY FOR Bayou Black

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
225	BB	5	44.75	0.011	32.1	0.0	10.7	0.4	0.0	0.2	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
226	BB	5	44.50	0.015	32.1	0.0	10.8	0.4	0.0	0.2	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
227	BB	5	44.25	0.019	32.1	0.0	10.8	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
228	BB	5	44.00	0.023	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
229	BB	5	43.75	0.027	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
230	BB	5	43.50	0.031	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
231	BB	5	43.25	0.035	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
232	BB	5	43.00	0.039	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
233	BB	5	42.75	0.043	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
234	BB	5	42.50	0.047	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
235	BB	5	42.25	0.051	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
236	BB	5	42.00	0.055	32.1	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.50
237	BB	5	41.75	0.059	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
238	BB	5	41.50	0.063	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
239	BB	5	41.25	0.067	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
240	BB	5	41.00	0.071	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
241	BB	5	40.75	0.075	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
242	BB	5	40.50	0.079	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
243	BB	5	40.25	0.083	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49

244	BB	5	40.00	0.087	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
245	BB	5	39.75	0.091	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
246	BB	5	39.50	0.095	32.0	0.0	10.9	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
247	BB	5	39.25	0.099	32.0	0.0	10.8	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
248	BB	5	39.00	0.103	32.0	0.0	10.7	0.4	0.0	0.1	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
249	BB	5	38.75	0.107	32.0	0.0	10.6	0.5	0.0	0.2	0.0	25.0	0.2	4.57	196.7	0.000	0.000	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
250	BB	6	38.50	0.110	32.0	0.0	10.0	0.9	0.0	0.2	0.0	25.7	0.0	1.16	31.2	0.003	0.003	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
251	BB	6	38.25	0.113	32.0	0.0	8.4	2.2	0.0	0.2	0.0	26.4	0.0	1.16	31.2	0.003	0.003	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
252	BB	6	38.00	0.116	32.0	0.0	7.4	3.2	0.0	0.3	0.0	27.1	0.0	1.16	31.2	0.003	0.003	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
253	BB	6	37.75	0.118	32.0	0.0	6.8	4.0	0.0	0.4	0.0	27.9	0.0	1.16	31.2	0.003	0.003	7.3	0.751	0.26	0.00	0.00	0.00	0.44	1.49
254	BB	6	37.50	0.121	32.0	0.0	6.3	4.6	0.0	0.4	0.0	28.6	0.0	1.16	31.2	0.003	0.003	7.3	0.751	0.26	0.00	0.00	0.00	0.43	1.49
255	BB	6	37.25	0.124	32.0	0.0	6.0	5.0	0.0	0.5	0.0	29.3	0.0	1.16	31.2	0.003	0.003	7.3	0.751	0.26	0.00	0.00	0.00	0.43	1.49
256	BB	6	37.00	0.127	32.0	0.0	5.8	5.4	0.0	0.6	0.0	30.0	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.43	1.49
257	BB	6	36.75	0.130	32.0	0.0	5.6	5.7	0.0	0.6	0.0	30.7	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
258	BB	6	36.50	0.133	32.0	0.0	5.5	5.9	0.0	0.7	0.0	31.4	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
259	BB	6	36.25	0.136	32.0	0.0	5.4	6.1	0.0	0.7	0.0	32.1	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
WASTELOAD # 260 (LAG531469) ENTERS HERE																									
260	BB	6	36.00	0.139	32.0	0.0	5.4	6.4	0.0	0.7	0.0	32.9	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
261	BB	6	35.75	0.141	32.0	0.0	5.3	6.5	0.0	0.8	0.0	33.6	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
262	BB	6	35.50	0.144	32.0	0.0	5.3	6.5	0.0	0.8	0.0	34.3	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
263	BB	6	35.25	0.147	32.0	0.0	5.3	6.6	0.0	0.9	0.0	35.0	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
264	BB	6	35.00	0.150	32.0	0.0	5.3	6.7	0.0	0.9	0.1	35.7	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
265	BB	6	34.75	0.153	32.0	0.0	5.3	6.7	0.0	0.9	0.1	36.4	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
266	BB	6	34.50	0.156	32.0	0.0	5.3	6.8	0.0	0.9	0.1	37.1	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
267	BB	6	34.25	0.159	32.0	0.0	5.3	6.8	0.0	1.0	0.1	37.9	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
WASTELOAD # 268 (LAG540726) ENTERS HERE																									
268	BB	6	34.00	0.161	32.0	0.0	5.4	6.8	0.0	1.0	0.1	38.6	0.0	1.16	31.2	0.004	0.004	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
269	BB	6	33.75	0.164	32.0	0.0	5.4	6.8	0.0	1.0	0.1	39.3	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
270	BB	6	33.50	0.167	32.0	0.0	5.4	6.9	0.0	1.1	0.1	40.0	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
271	BB	6	33.25	0.170	32.0	0.0	5.4	6.9	0.0	1.1	0.1	40.7	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
272	BB	6	33.00	0.173	32.0	0.0	5.5	6.9	0.0	1.1	0.1	41.4	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
273	BB	6	32.75	0.176	32.0	0.0	5.5	6.9	0.0	1.1	0.1	42.1	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
274	BB	6	32.50	0.179	32.0	0.0	5.5	6.9	0.0	1.1	0.1	42.9	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
275	BB	6	32.25	0.181	32.0	0.0	5.6	6.9	0.0	1.2	0.1	43.6	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
276	BB	6	32.00	0.184	32.0	0.0	5.6	6.9	0.0	1.2	0.1	44.3	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
277	BB	6	31.75	0.187	32.0	0.0	5.6	6.9	0.0	1.2	0.1	45.0	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
WASTELOAD # 278 (PS Black Bayou#1) ENTERS HERE																									
278	BB	6	31.50	0.192	32.0	0.0	5.6	7.3	0.0	1.2	0.1	45.7	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
279	BB	6	31.25	0.194	32.0	0.0	5.6	7.2	0.0	1.2	0.1	46.4	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
280	BB	6	31.00	0.197	32.0	0.0	5.7	7.2	0.0	1.2	0.1	47.1	0.0	1.16	31.2	0.005	0.005	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
281	BB	6	30.75	0.200	32.0	0.0	5.7	7.2	0.0	1.3	0.1	47.9	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.26	0.00	0.00	0.00	0.42	1.49
282	BB	6	30.50	0.203	32.0	0.0	5.7	7.1	0.0	1.3	0.1	48.6	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.26	0.00	0.00	0.00	0.43	1.49
283	BB	6	30.25	0.206	32.0	0.0	5.8	7.1	0.0	1.3	0.1	49.3	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.26	0.00	0.00	0.00	0.43	1.49
284	BB	6	30.00	0.209	32.0	0.0	5.8	7.1	0.0	1.3	0.1	50.0	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.26	0.00	0.00	0.00	0.43	1.49
285	BB	7	29.75	0.210	32.0	0.0	5.4	6.6	0.0	1.3	0.1	49.8	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.77
286	BB	7	29.50	0.212	32.0	0.0	5.2	6.1	0.0	1.3	0.1	49.6	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.77
287	BB	7	29.25	0.213	32.0	0.0	5.0	5.8	0.0	1.3	0.1	49.3	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
288	BB	7	29.00	0.214	32.0	0.0	5.0	5.4	0.0	1.3	0.1	49.1	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
289	BB	7	28.75	0.216	32.0	0.0	4.9	5.2	0.0	1.3	0.1	48.9	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
290	BB	7	28.50	0.217	32.0	0.0	4.9	4.9	0.0	1.2	0.1	48.7	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77

291	BB	7	28.25	0.219	32.0	0.0	5.0	4.7	0.0	1.2	0.1	48.5	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
WASTELOAD # 292 (PS Black Bayou#2) ENTERS HERE																										
292	BB	7	28.00	0.222	32.0	0.0	4.9	4.9	0.0	1.2	0.1	48.3	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
293	BB	7	27.75	0.224	32.0	0.0	4.9	4.7	0.0	1.2	0.1	48.0	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
294	BB	7	27.50	0.225	32.0	0.0	5.0	4.5	0.0	1.2	0.1	47.8	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77

EXPANDED CAPSULE SUMMARY FOR Bayou Black

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
295	BB	7	27.25	0.226	32.0	0.0	5.0	4.4	0.0	1.2	0.1	47.6	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
296	BB	7	27.00	0.228	32.0	0.0	5.0	4.2	0.0	1.2	0.1	47.4	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
297	BB	7	26.75	0.229	32.0	0.0	5.1	4.1	0.0	1.2	0.1	47.2	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
298	BB	7	26.50	0.231	32.0	0.0	5.1	4.0	0.0	1.2	0.1	47.0	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.77
299	BB	7	26.25	0.232	32.0	0.0	5.1	3.9	0.0	1.2	0.1	46.8	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.77
300	BB	7	26.00	0.234	32.0	0.0	5.1	3.9	0.0	1.2	0.1	46.5	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.77
301	BB	7	25.75	0.235	32.0	0.0	5.2	3.8	0.0	1.2	0.1	46.3	0.0	1.16	31.2	0.006	0.006	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.77
302	BB	7	25.50	0.236	32.0	0.0	5.2	3.7	0.0	1.2	0.1	46.1	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.77
303	BB	7	25.25	0.238	32.0	0.0	5.2	3.7	0.0	1.2	0.1	45.9	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.77
304	BB	7	25.00	0.239	32.0	0.0	5.2	3.6	0.0	1.2	0.1	45.7	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
305	BB	7	24.75	0.241	32.0	0.0	5.2	3.6	0.0	1.2	0.1	45.5	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
306	BB	7	24.50	0.242	32.0	0.0	5.2	3.6	0.0	1.2	0.1	45.2	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
307	BB	7	24.25	0.244	32.0	0.0	5.2	3.5	0.0	1.1	0.1	45.0	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
308	BB	7	24.00	0.245	32.0	0.0	5.3	3.5	0.0	1.1	0.1	44.8	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
309	BB	7	23.75	0.246	32.0	0.0	5.3	3.5	0.0	1.1	0.1	44.6	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
310	BB	7	23.50	0.248	32.0	0.0	5.3	3.5	0.0	1.1	0.1	44.4	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
311	BB	7	23.25	0.249	32.0	0.0	5.3	3.4	0.0	1.1	0.1	44.2	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
WASTELOAD # 312 (LAG541223) ENTERS HERE																										
312	BB	7	23.00	0.251	32.0	0.0	5.2	3.6	0.0	1.1	0.1	43.9	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
313	BB	7	22.75	0.253	32.0	0.0	5.2	3.6	0.0	1.1	0.1	43.7	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
314	BB	7	22.50	0.254	32.0	0.0	5.2	3.5	0.0	1.1	0.1	43.5	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
315	BB	7	22.25	0.256	32.0	0.0	5.2	3.5	0.0	1.1	0.1	43.3	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
316	BB	7	22.00	0.257	32.0	0.0	5.2	3.5	0.0	1.1	0.1	43.1	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
317	BB	7	21.75	0.259	32.0	0.0	5.2	3.5	0.0	1.1	0.1	42.8	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
318	BB	7	21.50	0.260	32.0	0.0	5.2	3.4	0.0	1.1	0.1	42.6	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
319	BB	7	21.25	0.261	32.0	0.0	5.2	3.4	0.0	1.1	0.1	42.4	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
320	BB	7	21.00	0.263	32.0	0.0	5.2	3.4	0.0	1.1	0.1	42.2	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.42	2.76
321	BB	7	20.75	0.264	32.0	0.0	5.2	3.4	0.0	1.1	0.1	42.0	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
322	BB	7	20.50	0.266	32.0	0.0	5.2	3.4	0.0	1.1	0.1	41.8	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
323	BB	7	20.25	0.267	32.0	0.0	5.2	3.4	0.0	1.1	0.1	41.5	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
324	BB	7	20.00	0.269	32.0	0.0	5.2	3.4	0.0	1.1	0.1	41.3	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
325	BB	7	19.75	0.270	32.0	0.0	5.1	3.4	0.0	1.1	0.1	41.1	0.0	1.16	31.2	0.007	0.007	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
326	BB	7	19.50	0.272	32.0	0.0	5.1	3.4	0.0	1.1	0.1	40.9	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
327	BB	7	19.25	0.273	32.0	0.0	5.1	3.4	0.0	1.1	0.1	40.7	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
328	BB	7	19.00	0.274	32.0	0.0	5.1	3.3	0.0	1.1	0.1	40.5	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
329	BB	7	18.75	0.276	32.0	0.0	5.1	3.3	0.0	1.1	0.1	40.2	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
330	BB	7	18.50	0.277	32.0	0.0	5.1	3.3	0.0	1.1	0.1	40.0	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
WASTELOAD # 331 (PS Black Bayou#3) ENTERS HERE																										
331	BB	7	18.25	0.279	32.0	0.0	5.1	3.4	0.0	1.1	0.1	39.8	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
332	BB	7	18.00	0.280	32.0	0.0	5.1	3.4	0.0	1.1	0.1	39.6	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
333	BB	7	17.75	0.282	32.0	0.0	5.1	3.4	0.0	1.1	0.1	39.4	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76

334	BB	7	17.50	0.283	32.0	0.0	5.0	3.4	0.0	1.0	0.1	39.2	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
335	BB	7	17.25	0.285	32.0	0.0	5.0	3.4	0.0	1.0	0.1	39.0	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
336	BB	7	17.00	0.286	32.0	0.0	5.0	3.4	0.0	1.0	0.1	38.7	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
337	BB	7	16.75	0.287	32.0	0.0	5.0	3.4	0.0	1.0	0.1	38.5	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
338	BB	7	16.50	0.289	32.0	0.0	5.0	3.3	0.0	1.0	0.1	38.3	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
WASTELOAD # 339 (LAG541317) ENTERS HERE																									
339	BB	7	16.25	0.291	32.0	0.0	5.0	3.4	0.0	1.0	0.1	38.1	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
340	BB	7	16.00	0.292	32.0	0.0	5.0	3.4	0.0	1.0	0.1	37.9	0.0	1.16	31.2	0.008	0.008	7.3	0.751	0.29	0.00	0.00	0.00	0.41	2.76
341	BB	7	15.75	0.294	32.0	0.0	5.0	3.4	0.0	1.0	0.1	37.7	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
342	BB	7	15.50	0.295	32.0	0.0	4.9	3.4	0.0	1.0	0.1	37.4	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
343	BB	7	15.25	0.296	32.0	0.0	4.9	3.4	0.0	1.0	0.1	37.2	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
344	BB	7	15.00	0.298	32.0	0.0	4.9	3.4	0.0	1.0	0.1	37.0	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
345	BB	7	14.75	0.299	31.9	0.0	4.9	3.4	0.0	1.0	0.1	36.8	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
346	BB	7	14.50	0.301	31.9	0.0	4.9	3.4	0.0	1.0	0.1	36.6	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
347	BB	7	14.25	0.302	31.9	0.0	4.9	3.4	0.0	1.0	0.1	36.3	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
348	BB	7	14.00	0.304	31.9	0.0	4.9	3.4	0.0	1.0	0.1	36.1	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
349	BB	7	13.75	0.305	31.9	0.0	4.9	3.4	0.0	1.0	0.1	35.9	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
350	BB	7	13.50	0.307	31.9	0.0	4.9	3.3	0.0	1.0	0.1	35.7	0.0	1.16	31.2	0.008	0.008	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
351	BB	7	13.25	0.308	31.9	0.0	4.8	3.3	0.0	1.0	0.1	35.5	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.76
WASTELOAD # 352 (LA0111236) ENTERS HERE																									
352	BB	7	13.00	0.324	31.9	0.0	4.3	5.5	0.0	1.0	0.8	35.3	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.40	2.76
353	BB	7	12.75	0.325	31.9	0.0	4.0	5.3	0.0	1.0	0.7	35.0	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.76
354	BB	7	12.50	0.326	31.9	0.0	3.7	5.1	0.0	1.0	0.7	34.8	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
355	BB	7	12.25	0.328	31.9	0.0	3.6	5.0	0.0	1.0	0.6	34.6	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
356	BB	7	12.00	0.329	31.9	0.0	3.5	4.8	0.0	1.0	0.5	34.4	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
357	BB	7	11.75	0.331	31.9	0.0	3.5	4.7	0.0	1.0	0.5	34.2	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.37	2.76
358	BB	7	11.50	0.332	31.9	0.0	3.5	4.6	0.0	1.0	0.4	34.0	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.37	2.76
359	BB	7	11.25	0.334	31.9	0.0	3.5	4.4	0.0	1.0	0.4	33.8	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
360	BB	7	11.00	0.335	31.9	0.0	3.5	4.3	0.0	1.0	0.4	33.5	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
361	BB	7	10.75	0.336	31.9	0.0	3.6	4.3	0.0	1.0	0.3	33.3	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
362	BB	7	10.50	0.338	31.9	0.0	3.6	4.2	0.0	1.0	0.3	33.1	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
363	BB	7	10.25	0.339	31.9	0.0	3.7	4.1	0.0	1.0	0.3	32.9	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
364	BB	7	10.00	0.341	31.9	0.0	3.7	4.0	0.0	1.0	0.3	32.7	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76

EXPANDED CAPSULE SUMMARY FOR Bayou Black

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
365	BB	7	9.75	0.342	31.9	0.0	3.8	4.0	0.0	1.0	0.2	32.5	0.0	1.16	31.2	0.009	0.009	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
366	BB	7	9.50	0.344	31.9	0.0	3.8	3.9	0.0	1.0	0.2	32.2	0.0	1.16	31.2	0.010	0.010	7.3	0.750	0.29	0.00	0.00	0.00	0.38	2.76
367	BB	7	9.25	0.345	31.9	0.0	3.9	3.9	0.0	1.0	0.2	32.0	0.0	1.16	31.2	0.010	0.010	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.76
368	BB	7	9.00	0.346	31.9	0.0	3.9	3.8	0.0	1.0	0.2	31.8	0.0	1.16	31.2	0.010	0.010	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.76
WASTELOAD # 369 (PS Hanson Canal) ENTERS HERE																									
369	BB	7	8.75	0.350	31.9	0.0	4.0	3.9	0.0	1.0	0.2	31.6	0.0	1.16	31.2	0.010	0.010	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.76
370	BB	7	8.50	0.351	31.9	0.0	4.0	3.8	0.0	1.0	0.2	31.4	0.0	1.16	31.2	0.010	0.010	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.76
371	BB	7	8.25	0.352	31.9	0.0	4.1	3.8	0.0	1.0	0.2	31.1	0.0	1.16	31.2	0.010	0.010	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.76
WASTELOAD # 372 (LA0074331) ENTERS HERE																									
372	BB	7	8.00	0.354	31.9	0.0	4.1	3.7	0.0	1.0	0.1	30.9	0.0	1.16	31.2	0.010	0.010	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.76
WASTELOAD # 373 (Minors Canal) ENTERS HERE																									
373	BB	7	7.75	0.882	31.9	0.0	7.5	5.7	0.0	1.2	0.1	30.7	0.0	1.16	31.2	0.024	0.024	7.3	0.750	0.29	0.00	0.00	0.00	0.44	2.75
374	BB	7	7.50	0.883	31.9	0.0	7.2	5.6	0.0	1.2	0.1	30.5	0.0	1.16	31.2	0.024	0.024	7.3	0.750	0.29	0.00	0.00	0.00	0.44	2.75

375	BB	7	7.25	0.885	31.9	0.0	6.9	5.6	0.0	1.2	0.1	30.3	0.0	1.16	31.2	0.024	0.024	7.3	0.750	0.29	0.00	0.00	0.00	0.44	2.75
376	BB	7	7.00	0.886	31.9	0.0	6.6	5.5	0.0	1.2	0.1	30.1	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.75
377	BB	7	6.75	0.888	31.9	0.0	6.3	5.4	0.0	1.2	0.1	29.9	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.75
378	BB	7	6.50	0.889	31.9	0.0	6.1	5.3	0.0	1.2	0.1	29.6	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.75
379	BB	7	6.25	0.890	31.9	0.0	5.9	5.3	0.0	1.2	0.1	29.4	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
380	BB	7	6.00	0.892	31.9	0.0	5.7	5.2	0.0	1.2	0.1	29.2	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
381	BB	7	5.75	0.893	31.9	0.0	5.6	5.1	0.0	1.2	0.1	29.0	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
382	BB	7	5.50	0.895	31.9	0.0	5.4	5.1	0.0	1.2	0.1	28.8	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
383	BB	7	5.25	0.896	31.9	0.0	5.3	5.0	0.0	1.2	0.1	28.5	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75
384	BB	7	5.00	0.898	31.9	0.0	5.1	4.9	0.0	1.2	0.1	28.3	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75
385	BB	7	4.75	0.899	31.9	0.0	5.0	4.9	0.0	1.2	0.1	28.1	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75
386	BB	7	4.50	0.901	31.9	0.0	4.9	4.8	0.0	1.2	0.1	27.9	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75
387	BB	7	4.25	0.902	31.9	0.0	4.8	4.8	0.0	1.2	0.1	27.7	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75
388	BB	7	4.00	0.903	31.9	0.0	4.7	4.7	0.0	1.2	0.1	27.5	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.40	2.75
389	BB	7	3.75	0.905	31.9	0.0	4.6	4.7	0.0	1.2	0.1	27.2	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.40	2.75
390	BB	7	3.50	0.906	31.9	0.0	4.6	4.6	0.0	1.2	0.1	27.0	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.40	2.75
391	BB	7	3.25	0.908	31.9	0.0	4.5	4.6	0.0	1.2	0.1	26.8	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.40	2.75
392	BB	7	3.00	0.909	31.9	0.0	4.5	4.5	0.0	1.2	0.1	26.6	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.40	2.75
393	BB	7	2.75	0.911	31.9	0.0	4.4	4.5	0.0	1.2	0.1	26.4	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.40	2.75
394	BB	7	2.50	0.912	31.9	0.0	4.3	4.5	0.0	1.2	0.1	26.2	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.40	2.75
395	BB	7	2.25	0.913	31.9	0.0	4.3	4.4	0.0	1.2	0.1	25.9	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.75
396	BB	7	2.00	0.915	31.9	0.0	4.3	4.4	0.0	1.2	0.1	25.7	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.75
397	BB	7	1.75	0.916	31.9	0.0	4.2	4.3	0.0	1.2	0.1	25.5	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.75
398	BB	7	1.50	0.918	31.9	0.0	4.2	4.3	0.0	1.2	0.1	25.3	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.75
399	BB	7	1.25	0.919	31.9	0.0	4.2	4.3	0.0	1.2	0.1	25.1	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.75
400	BB	7	1.00	0.921	31.9	0.0	4.1	4.2	0.0	1.2	0.1	24.9	0.0	1.16	31.2	0.025	0.025	7.3	0.750	0.29	0.00	0.00	0.00	0.39	2.75
WASTELOAD # 401 (Little Bayou Black) ENTERS HERE																									
401	BB	7	0.75	2.224	31.9	0.0	3.0	7.2	0.0	1.4	0.1	24.6	0.0	1.16	31.2	0.062	0.062	7.3	0.750	0.29	0.00	0.00	0.00	0.36	2.75
WASTELOAD # 402 (PS Lil Bayou Black) ENTERS HERE																									
402	BB	7	0.50	2.226	31.9	0.0	3.0	7.2	0.0	1.4	0.1	24.4	0.0	1.16	31.2	0.062	0.062	7.3	0.750	0.29	0.00	0.00	0.00	0.36	2.75
403	BB	7	0.25	2.228	31.9	0.0	3.0	7.1	0.0	1.4	0.1	24.2	0.0	1.16	31.2	0.062	0.062	7.3	0.750	0.29	0.00	0.00	0.00	0.36	2.75
404	BB	7	0.00	2.229	31.9	0.0	3.0	7.1	0.0	1.4	0.1	24.0	0.0	1.16	31.2	0.062	0.062	7.3	0.750	0.29	0.00	0.00	0.00	0.36	2.75

SPECIAL REPORT: ICWW

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 *
1	93.750	31.22	0.0	0.0	0.0	6.59	2.41	0.00	2.41	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
2	93.500	31.24	0.0	0.0	0.0	6.59	2.38	0.00	2.38	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
3	93.250	31.26	0.0	0.0	0.0	6.60	2.35	0.00	2.35	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
4	93.000	31.28	0.0	0.0	0.0	6.62	2.34	0.00	2.34	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
5	92.750	31.31	0.0	0.0	0.0	6.63	2.33	0.00	2.33	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
6	92.500	31.33	0.0	0.0	0.0	6.64	2.32	0.00	2.32	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
7	92.250	31.35	0.0	0.0	0.0	6.65	2.31	0.00	2.31	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
8	92.000	31.37	0.0	0.0	0.0	6.66	2.31	0.00	2.31	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
9	91.750	31.39	0.0	0.0	0.0	6.67	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
10	91.500	31.41	0.0	0.0	0.0	6.68	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
11	91.250	31.43	0.0	0.0	0.0	6.68	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
12	91.000	31.45	0.0	0.0	0.0	6.69	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
13	90.750	31.47	0.0	0.0	0.0	6.69	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
14	90.500	31.49	0.0	0.0	0.0	6.70	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00

15	90.250	31.52	0.0	0.0	0.0	6.70	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
16	90.000	31.54	0.0	0.0	0.0	6.70	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
17	89.750	31.56	0.0	0.0	0.0	6.71	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
18	89.500	31.58	0.0	0.0	0.0	6.71	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
19	89.250	31.60	0.0	0.0	0.0	6.71	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
20	89.000	31.62	0.0	0.0	0.0	6.71	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
21	88.750	31.64	0.0	0.0	0.0	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
22	88.500	31.66	0.0	0.0	0.0	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
23	88.250	31.68	0.0	0.0	0.0	6.70	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
24	88.000	31.71	0.0	0.0	0.0	6.70	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
25	87.750	31.73	0.0	0.0	0.0	6.69	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
26	87.500	31.75	0.0	0.0	0.0	6.67	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
27	87.250	31.77	0.0	0.0	0.0	6.65	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
28	87.000	31.79	0.0	0.0	0.0	6.62	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.44	0.00	20.0	0.0	0.	0.00
29	86.750	31.81	0.0	0.0	0.0	6.58	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.44	0.00	20.0	0.0	0.	0.00
30	86.500	31.83	0.0	0.0	0.0	6.52	2.28	0.00	2.28	0.00	1.33	0.12	0.00	1.45	0.00	20.0	0.0	0.	0.00
31	86.250	31.85	0.0	0.0	0.0	6.45	2.29	0.00	2.29	0.00	1.34	0.12	0.00	1.46	0.00	20.0	0.0	0.	0.00
32	86.000	31.87	0.0	0.0	0.0	6.34	2.31	0.00	2.31	0.00	1.35	0.12	0.00	1.47	0.00	20.0	0.0	0.	0.00
33	85.750	31.89	0.0	0.0	0.0	6.20	2.35	0.00	2.35	0.00	1.36	0.12	0.00	1.48	0.00	20.0	0.0	0.	0.00
34	85.500	31.92	0.0	0.0	0.0	6.01	2.42	0.00	2.42	0.00	1.38	0.12	0.00	1.50	0.00	20.0	0.0	0.	0.00
35	85.250	31.94	0.0	0.0	0.0	5.77	2.53	0.00	2.53	0.00	1.40	0.12	0.00	1.52	0.00	20.0	0.0	0.	0.00
36	85.000	31.96	0.0	0.0	0.0	5.47	2.73	0.00	2.73	0.00	1.43	0.12	0.00	1.55	0.00	20.0	0.0	0.	0.00
37	84.750	31.98	0.0	0.0	0.0	5.11	3.08	0.00	3.08	0.00	1.47	0.12	0.00	1.59	0.00	20.0	0.0	0.	0.00
38	84.500	32.00	0.0	0.0	0.0	4.72	3.67	0.00	3.67	0.00	1.52	0.12	0.00	1.63	0.00	20.0	0.0	0.	0.00
39	84.250	32.00	0.0	0.0	0.0	4.38	4.73	0.00	4.73	0.00	1.59	0.10	0.00	1.69	0.00	20.0	0.0	0.	0.00
40	84.000	32.00	0.0	0.0	0.0	4.31	4.63	0.00	4.63	0.00	1.58	0.11	0.00	1.69	0.00	20.0	0.0	0.	0.00
41	83.750	32.01	0.0	0.0	0.0	4.26	4.54	0.00	4.54	0.00	1.58	0.11	0.00	1.69	0.00	20.0	0.0	0.	0.00
42	83.500	32.01	0.0	0.0	0.0	4.20	4.45	0.00	4.45	0.00	1.57	0.11	0.00	1.68	0.00	20.0	0.0	0.	0.00
43	83.250	32.01	0.0	0.0	0.0	4.15	4.36	0.00	4.36	0.00	1.57	0.11	0.00	1.68	0.00	20.0	0.0	0.	0.00
44	83.000	32.01	0.0	0.0	0.0	4.11	4.28	0.00	4.28	0.00	1.57	0.11	0.00	1.68	0.00	20.0	0.0	0.	0.00
45	82.750	32.01	0.0	0.0	0.0	4.06	4.20	0.00	4.20	0.00	1.56	0.12	0.00	1.68	0.00	20.0	0.0	0.	0.00
46	82.500	32.02	0.0	0.0	0.0	4.03	4.13	0.00	4.13	0.00	1.56	0.12	0.00	1.68	0.00	20.0	0.0	0.	0.00
47	82.250	32.02	0.0	0.0	0.0	3.99	4.05	0.00	4.05	0.00	1.55	0.12	0.00	1.67	0.00	20.0	0.0	0.	0.00
48	82.000	32.02	0.0	0.0	0.0	3.96	3.98	0.00	3.98	0.00	1.55	0.12	0.00	1.67	0.00	20.0	0.0	0.	0.00
49	81.750	32.02	0.0	0.0	0.0	3.93	3.92	0.00	3.92	0.00	1.55	0.12	0.00	1.67	0.00	20.0	0.0	0.	0.00
50	81.500	32.02	0.0	0.0	0.0	3.90	3.85	0.00	3.85	0.00	1.54	0.12	0.00	1.67	0.00	20.0	0.0	0.	0.00
51	81.250	32.03	0.0	0.0	0.0	3.88	3.79	0.00	3.79	0.00	1.54	0.12	0.00	1.66	0.00	20.0	0.0	0.	0.00
52	81.000	32.03	0.0	0.0	0.0	3.85	3.73	0.00	3.73	0.00	1.54	0.12	0.00	1.66	0.00	20.0	0.0	0.	0.00
53	80.750	32.03	0.0	0.0	0.0	3.84	3.68	0.00	3.68	0.00	1.53	0.13	0.00	1.66	0.00	20.0	0.0	0.	0.00
54	80.500	32.03	0.0	0.0	0.0	3.82	3.62	0.00	3.62	0.00	1.53	0.13	0.00	1.66	0.00	20.0	0.0	0.	0.00
55	80.250	32.03	0.0	0.0	0.0	3.80	3.57	0.00	3.57	0.00	1.52	0.13	0.00	1.65	0.00	20.0	0.0	0.	0.00
56	80.000	32.03	0.0	0.0	0.0	3.79	3.52	0.00	3.52	0.00	1.52	0.13	0.00	1.65	0.00	20.0	0.0	0.	0.00
57	79.750	32.04	0.0	0.0	0.0	3.78	3.46	0.00	3.46	0.00	1.52	0.13	0.00	1.65	0.00	20.0	0.0	0.	0.00
58	79.500	32.04	0.0	0.0	0.0	3.77	3.32	0.00	3.32	0.00	1.50	0.13	0.00	1.64	0.00	20.0	0.0	0.	0.00
59	79.250	32.04	0.0	0.0	0.0	3.78	3.19	0.00	3.19	0.00	1.49	0.13	0.00	1.62	0.00	20.0	0.0	0.	0.00
60	79.000	32.04	0.0	0.0	0.0	3.80	3.08	0.00	3.08	0.00	1.48	0.14	0.00	1.61	0.00	20.0	0.0	0.	0.00
61	78.750	32.04	0.0	0.0	0.0	3.84	2.98	0.00	2.98	0.00	1.46	0.14	0.00	1.60	0.00	20.0	0.0	0.	0.00
62	78.500	32.05	0.0	0.0	0.0	3.88	2.90	0.00	2.90	0.00	1.45	0.14	0.00	1.59	0.00	20.0	0.0	0.	0.00
63	78.250	32.05	0.0	0.0	0.0	3.93	2.83	0.00	2.83	0.00	1.44	0.14	0.00	1.58	0.00	20.0	0.0	0.	0.00
64	78.000	32.05	0.0	0.0	0.0	3.99	2.76	0.00	2.76	0.00	1.43	0.14	0.00	1.57	0.00	20.0	0.0	0.	0.00

65	77.750	32.05	0.0	0.0	0.0	4.05	2.71	0.00	2.71	0.00	1.42	0.14	0.00	1.55	0.00	20.0	0.0	0.	0.00
66	77.500	32.05	0.0	0.0	0.0	4.12	2.66	0.00	2.66	0.00	1.40	0.14	0.00	1.54	0.00	20.0	0.0	0.	0.00
67	77.250	32.06	0.0	0.0	0.0	4.19	2.62	0.00	2.62	0.00	1.39	0.14	0.00	1.53	0.00	20.0	0.0	0.	0.00
68	77.000	32.06	0.0	0.0	0.0	4.27	2.59	0.00	2.59	0.00	1.38	0.14	0.00	1.52	0.00	20.0	0.0	0.	0.00
69	76.750	32.06	0.0	0.0	0.0	4.34	2.56	0.00	2.56	0.00	1.37	0.14	0.00	1.51	0.00	20.0	0.0	0.	0.00
70	76.500	32.06	0.0	0.0	0.0	4.42	2.53	0.00	2.53	0.00	1.36	0.14	0.00	1.50	0.00	20.0	0.0	0.	0.00
71	76.250	32.06	0.0	0.0	0.0	4.49	2.51	0.00	2.51	0.00	1.35	0.14	0.00	1.48	0.00	20.0	0.0	0.	0.00
72	76.000	32.07	0.0	0.0	0.0	4.57	2.49	0.00	2.49	0.00	1.34	0.13	0.00	1.47	0.00	20.0	0.0	0.	0.00
73	75.750	32.07	0.0	0.0	0.0	4.65	2.47	0.00	2.47	0.00	1.33	0.13	0.00	1.46	0.00	20.0	0.0	0.	0.00
74	75.500	32.07	0.0	0.0	0.0	4.72	2.45	0.00	2.45	0.00	1.32	0.13	0.00	1.45	0.00	20.0	0.0	0.	0.00
75	75.250	32.07	0.0	0.0	0.0	4.80	2.44	0.00	2.44	0.00	1.31	0.13	0.00	1.44	0.00	20.0	0.0	0.	0.00
76	75.000	32.07	0.0	0.0	0.0	4.87	2.43	0.00	2.43	0.00	1.30	0.13	0.00	1.43	0.00	20.0	0.0	0.	0.00
77	74.750	32.08	0.0	0.0	0.0	4.94	2.42	0.00	2.42	0.00	1.29	0.13	0.00	1.42	0.00	20.0	0.0	0.	0.00
78	74.500	32.08	0.0	0.0	0.0	5.02	2.41	0.00	2.41	0.00	1.28	0.13	0.00	1.41	0.00	20.0	0.0	0.	0.00
79	74.250	32.08	0.0	0.0	0.0	5.09	2.40	0.00	2.40	0.00	1.27	0.13	0.00	1.40	0.00	20.0	0.0	0.	0.00
80	74.000	32.08	0.0	0.0	0.0	5.16	2.40	0.00	2.40	0.00	1.26	0.13	0.00	1.39	0.00	20.0	0.0	0.	0.00
81	73.750	32.08	0.0	0.0	0.0	5.22	2.39	0.00	2.39	0.00	1.25	0.12	0.00	1.38	0.00	20.0	0.0	0.	0.00
82	73.500	32.08	0.0	0.0	0.0	5.29	2.39	0.00	2.39	0.00	1.24	0.12	0.00	1.37	0.00	20.0	0.0	0.	0.00
83	73.250	32.09	0.0	0.0	0.0	5.36	2.38	0.00	2.38	0.00	1.23	0.12	0.00	1.36	0.00	20.0	0.0	0.	0.00
84	73.000	32.09	0.0	0.0	0.0	5.42	2.38	0.00	2.38	0.00	1.23	0.12	0.00	1.35	0.00	20.0	0.0	0.	0.00
85	72.750	32.09	0.0	0.0	0.0	5.48	2.38	0.00	2.38	0.00	1.22	0.12	0.00	1.34	0.00	20.0	0.0	0.	0.00
86	72.500	32.09	0.0	0.0	0.0	5.54	2.38	0.00	2.38	0.00	1.21	0.12	0.00	1.33	0.00	20.0	0.0	0.	0.00
87	72.250	32.09	0.0	0.0	0.0	5.60	2.39	0.00	2.39	0.00	1.20	0.12	0.00	1.32	0.00	20.0	0.0	0.	0.00
88	72.000	32.10	0.0	0.0	0.0	5.65	2.45	0.00	2.45	0.00	1.20	0.12	0.00	1.31	0.00	20.0	0.0	0.	0.00
89	71.750	32.10	0.0	0.0	0.0	5.72	2.69	0.00	2.69	0.00	1.21	0.11	0.00	1.32	0.00	20.0	0.0	0.	0.00
90	71.500	32.10	0.0	0.0	0.0	5.70	2.64	0.00	2.64	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00
91	71.250	32.11	0.0	0.0	0.0	5.58	2.60	0.00	2.60	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00
92	71.000	32.11	0.0	0.0	0.0	5.48	2.56	0.00	2.56	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00
93	70.750	32.12	0.0	0.0	0.0	5.40	2.53	0.00	2.53	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00
94	70.500	32.12	0.0	0.0	0.0	5.32	2.51	0.00	2.51	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
95	70.250	32.13	0.0	0.0	0.0	5.26	2.49	0.00	2.49	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
96	70.000	32.13	0.0	0.0	0.0	5.20	2.47	0.00	2.47	0.00	1.17	0.11	0.00	1.28	0.00	20.0	0.0	0.	0.00
97	69.750	32.14	0.0	0.0	0.0	5.15	2.46	0.00	2.46	0.00	1.17	0.11	0.00	1.28	0.00	20.0	0.0	0.	0.00
98	69.500	32.14	0.0	0.0	0.0	5.11	2.45	0.00	2.45	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
99	69.250	32.15	0.0	0.0	0.0	5.07	2.44	0.00	2.44	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
100	69.000	32.15	0.0	0.0	0.0	5.03	2.44	0.00	2.44	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
101	68.750	32.16	0.0	0.0	0.0	5.00	2.43	0.00	2.43	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
102	68.500	32.16	0.0	0.0	0.0	4.97	2.42	0.00	2.42	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
103	68.250	32.17	0.0	0.0	0.0	4.95	2.42	0.00	2.42	0.00	1.15	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
104	68.000	32.17	0.0	0.0	0.0	4.93	2.42	0.00	2.42	0.00	1.14	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
105	67.750	32.18	0.0	0.0	0.0	4.91	2.41	0.00	2.41	0.00	1.14	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
106	67.500	32.18	0.0	0.0	0.0	4.89	2.41	0.00	2.41	0.00	1.13	0.11	0.00	1.24	0.00	20.0	0.0	0.	0.00
107	67.250	32.19	0.0	0.0	0.0	4.87	2.41	0.00	2.41	0.00	1.13	0.11	0.00	1.24	0.00	20.0	0.0	0.	0.00
108	67.000	32.19	0.0	0.0	0.0	4.86	2.41	0.00	2.41	0.00	1.13	0.11	0.00	1.24	0.00	20.0	0.0	0.	0.00
109	66.750	32.20	0.0	0.0	0.0	4.84	2.41	0.00	2.41	0.00	1.13	0.11	0.00	1.23	0.00	20.0	0.0	0.	0.00
110	66.500	32.21	0.0	0.0	0.0	4.83	2.40	0.00	2.40	0.00	1.12	0.11	0.00	1.23	0.00	20.0	0.0	0.	0.00
111	66.250	32.21	0.0	0.0	0.0	4.82	2.40	0.00	2.40	0.00	1.12	0.11	0.00	1.23	0.00	20.0	0.0	0.	0.00
112	66.000	32.22	0.0	0.0	0.0	4.81	2.40	0.00	2.40	0.00	1.12	0.11	0.00	1.22	0.00	20.0	0.0	0.	0.00
113	65.750	32.22	0.0	0.0	0.0	4.80	2.41	0.00	2.41	0.00	1.11	0.11	0.00	1.22	0.00	20.0	0.0	0.	0.00
114	65.500	32.23	0.0	0.0	0.0	4.79	2.42	0.00	2.42	0.00	1.11	0.11	0.00	1.22	0.00	20.0	0.0	0.	0.00

115	65.250	32.23	0.0	0.0	0.0	4.79	2.48	0.00	2.48	0.00	1.12	0.11	0.00	1.23	0.00	20.0	0.0	0.	0.00
116	65.000	32.24	0.0	0.0	0.0	4.86	2.76	0.00	2.76	0.00	1.15	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
117	64.750	32.24	0.0	0.0	0.0	5.36	3.99	0.00	3.99	0.00	1.25	0.10	0.00	1.35	0.00	20.0	0.0	0.	0.00
118	64.500	32.25	0.0	0.0	0.0	5.17	3.82	0.00	3.82	0.00	1.24	0.11	0.00	1.35	0.00	20.0	0.0	0.	0.00
119	64.250	32.25	0.0	0.0	0.0	5.01	3.66	0.00	3.66	0.00	1.24	0.11	0.00	1.35	0.00	20.0	0.0	0.	0.00
120	64.000	32.26	0.0	0.0	0.0	4.86	3.52	0.00	3.52	0.00	1.24	0.11	0.00	1.35	0.00	20.0	0.0	0.	0.00
121	63.750	32.26	0.0	0.0	0.0	4.74	3.40	0.00	3.40	0.00	1.24	0.11	0.00	1.34	0.00	20.0	0.0	0.	0.00
122	63.500	32.27	0.0	0.0	0.0	4.63	3.29	0.00	3.29	0.00	1.23	0.11	0.00	1.34	0.00	20.0	0.0	0.	0.00
123	63.250	32.27	0.0	0.0	0.0	4.53	3.19	0.00	3.19	0.00	1.23	0.11	0.00	1.34	0.00	20.0	0.0	0.	0.00
124	63.000	32.28	0.0	0.0	0.0	4.45	3.10	0.00	3.10	0.00	1.23	0.11	0.00	1.34	0.00	20.0	0.0	0.	0.00
125	62.750	32.28	0.0	0.0	0.0	4.38	3.03	0.00	3.03	0.00	1.22	0.11	0.00	1.34	0.00	20.0	0.0	0.	0.00
126	62.500	32.29	0.0	0.0	0.0	4.32	2.96	0.00	2.96	0.00	1.22	0.11	0.00	1.33	0.00	20.0	0.0	0.	0.00
127	62.250	32.29	0.0	0.0	0.0	4.27	2.90	0.00	2.90	0.00	1.22	0.11	0.00	1.33	0.00	20.0	0.0	0.	0.00
128	62.000	32.30	0.0	0.0	0.0	4.23	2.85	0.00	2.85	0.00	1.22	0.11	0.00	1.33	0.00	20.0	0.0	0.	0.00
129	61.750	32.30	0.0	0.0	0.0	4.21	2.82	0.00	2.82	0.00	1.22	0.11	0.00	1.33	0.00	20.0	0.0	0.	0.00
130	61.500	32.29	0.0	0.0	0.0	4.19	2.79	0.00	2.79	0.00	1.21	0.11	0.00	1.33	0.00	20.1	0.0	0.	0.00
131	61.250	32.29	0.0	0.0	0.0	4.17	2.76	0.00	2.76	0.00	1.21	0.11	0.00	1.33	0.00	20.1	0.0	0.	0.00
132	61.000	32.28	0.0	0.0	0.0	4.15	2.74	0.00	2.74	0.00	1.21	0.11	0.00	1.33	0.00	20.2	0.0	0.	0.00
133	60.750	32.28	0.0	0.0	0.0	4.13	2.71	0.00	2.71	0.00	1.21	0.12	0.00	1.33	0.00	20.2	0.0	0.	0.00
134	60.500	32.27	0.0	0.0	0.0	4.11	2.69	0.00	2.69	0.00	1.21	0.12	0.00	1.32	0.00	20.2	0.0	0.	0.00
135	60.250	32.27	0.0	0.0	0.0	4.10	2.67	0.00	2.67	0.00	1.21	0.12	0.00	1.32	0.00	20.3	0.0	0.	0.00
136	60.000	32.27	0.0	0.0	0.0	4.09	2.65	0.00	2.65	0.00	1.21	0.12	0.00	1.32	0.00	20.3	0.0	0.	0.00
137	59.750	32.26	0.0	0.0	0.0	4.08	2.63	0.00	2.63	0.00	1.21	0.12	0.00	1.32	0.00	20.4	0.0	0.	0.00
138	59.500	32.26	0.0	0.0	0.0	4.07	2.61	0.00	2.61	0.00	1.20	0.12	0.00	1.32	0.00	20.4	0.0	0.	0.00
139	59.250	32.25	0.0	0.0	0.0	4.07	2.59	0.00	2.59	0.00	1.20	0.12	0.00	1.32	0.00	20.5	0.0	0.	0.00
140	59.000	32.25	0.0	0.0	0.0	4.06	2.58	0.00	2.58	0.00	1.20	0.12	0.00	1.32	0.00	20.5	0.0	0.	0.00
141	58.750	32.25	0.0	0.0	0.0	4.06	2.56	0.00	2.56	0.00	1.20	0.12	0.00	1.32	0.00	20.5	0.0	0.	0.00
142	58.500	32.24	0.0	0.0	0.0	4.05	2.55	0.00	2.55	0.00	1.20	0.12	0.00	1.32	0.00	20.6	0.0	0.	0.00
143	58.250	32.24	0.0	0.0	0.0	4.05	2.53	0.00	2.53	0.00	1.20	0.12	0.00	1.32	0.00	20.6	0.0	0.	0.00
144	58.000	32.23	0.0	0.0	0.0	4.05	2.52	0.00	2.52	0.00	1.20	0.12	0.00	1.32	0.00	20.7	0.0	0.	0.00
145	57.750	32.23	0.0	0.0	0.0	4.05	2.51	0.00	2.51	0.00	1.20	0.12	0.00	1.31	0.00	20.7	0.0	0.	0.00
146	57.500	32.22	0.0	0.0	0.0	4.05	2.50	0.00	2.50	0.00	1.20	0.12	0.00	1.31	0.00	20.8	0.0	0.	0.00
147	57.250	32.22	0.0	0.0	0.0	4.06	2.49	0.00	2.49	0.00	1.20	0.12	0.00	1.31	0.00	20.8	0.0	0.	0.00
148	57.000	32.22	0.0	0.0	0.0	4.06	2.48	0.00	2.48	0.00	1.19	0.12	0.00	1.31	0.00	20.8	0.0	0.	0.00
149	56.750	32.21	0.0	0.0	0.0	4.06	2.47	0.00	2.47	0.00	1.19	0.12	0.00	1.31	0.00	20.9	0.0	0.	0.00
150	56.500	32.21	0.0	0.0	0.0	4.07	2.46	0.00	2.46	0.00	1.19	0.12	0.00	1.31	0.00	20.9	0.0	0.	0.00
151	56.250	32.20	0.0	0.0	0.0	4.08	2.45	0.00	2.45	0.00	1.19	0.12	0.00	1.31	0.00	21.0	0.0	0.	0.00
152	56.000	32.20	0.0	0.0	0.0	4.08	2.44	0.00	2.44	0.00	1.19	0.12	0.00	1.31	0.00	21.0	0.0	0.	0.00
153	55.750	32.20	0.0	0.0	0.0	4.09	2.44	0.00	2.44	0.00	1.19	0.12	0.00	1.31	0.00	21.0	0.0	0.	0.00
154	55.500	32.19	0.0	0.0	0.0	4.10	2.43	0.00	2.43	0.00	1.19	0.12	0.00	1.31	0.00	21.1	0.0	0.	0.00
155	55.250	32.19	0.0	0.0	0.0	4.11	2.42	0.00	2.42	0.00	1.19	0.12	0.00	1.30	0.00	21.1	0.0	0.	0.00
156	55.000	32.18	0.0	0.0	0.0	4.12	2.42	0.00	2.42	0.00	1.19	0.12	0.00	1.30	0.00	21.2	0.0	0.	0.00
157	54.750	32.18	0.0	0.0	0.0	4.13	2.41	0.00	2.41	0.00	1.19	0.12	0.00	1.30	0.00	21.2	0.0	0.	0.00
158	54.500	32.17	0.0	0.0	0.0	4.14	2.40	0.00	2.40	0.00	1.18	0.12	0.00	1.30	0.00	21.2	0.0	0.	0.00
159	54.250	32.17	0.0	0.0	0.0	4.15	2.40	0.00	2.40	0.00	1.18	0.12	0.00	1.30	0.00	21.3	0.0	0.	0.00
160	54.000	32.17	0.0	0.0	0.0	4.16	2.39	0.00	2.39	0.00	1.18	0.12	0.00	1.30	0.00	21.3	0.0	0.	0.00
161	53.750	32.16	0.0	0.0	0.0	4.17	2.39	0.00	2.39	0.00	1.18	0.12	0.00	1.30	0.00	21.4	0.0	0.	0.00
162	53.500	32.16	0.0	0.0	0.0	4.18	2.38	0.00	2.38	0.00	1.18	0.12	0.00	1.30	0.00	21.4	0.0	0.	0.00
163	53.250	32.15	0.0	0.0	0.0	4.20	2.38	0.00	2.38	0.00	1.18	0.12	0.00	1.30	0.00	21.5	0.0	0.	0.00
164	53.000	32.15	0.0	0.0	0.0	4.21	2.38	0.00	2.38	0.00	1.18	0.12	0.00	1.30	0.00	21.5	0.0	0.	0.00

165	52.750	32.15	0.0	0.0	0.0	4.22	2.37	0.00	2.37	0.00	1.18	0.12	0.00	1.29	0.00	21.5	0.0	0.	0.00
166	52.500	32.14	0.0	0.0	0.0	4.24	2.37	0.00	2.37	0.00	1.18	0.12	0.00	1.29	0.00	21.6	0.0	0.	0.00
167	52.250	32.14	0.0	0.0	0.0	4.25	2.37	0.00	2.37	0.00	1.18	0.12	0.00	1.29	0.00	21.6	0.0	0.	0.00
168	52.000	32.13	0.0	0.0	0.0	4.27	2.36	0.00	2.36	0.00	1.18	0.12	0.00	1.29	0.00	21.7	0.0	0.	0.00
169	51.750	32.13	0.0	0.0	0.0	4.28	2.36	0.00	2.36	0.00	1.17	0.12	0.00	1.29	0.00	21.7	0.0	0.	0.00
170	51.500	32.12	0.0	0.0	0.0	4.30	2.36	0.00	2.36	0.00	1.17	0.12	0.00	1.29	0.00	21.8	0.0	0.	0.00
171	51.250	32.12	0.0	0.0	0.0	4.31	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.8	0.0	0.	0.00
172	51.000	32.12	0.0	0.0	0.0	4.33	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.8	0.0	0.	0.00
173	50.750	32.11	0.0	0.0	0.0	4.35	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.9	0.0	0.	0.00
174	50.500	32.11	0.0	0.0	0.0	4.36	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.9	0.0	0.	0.00
175	50.250	32.10	0.0	0.0	0.0	4.38	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	22.0	0.0	0.	0.00
176	50.000	32.10	0.0	0.0	0.0	4.40	2.34	0.00	2.34	0.00	1.17	0.12	0.00	1.28	0.00	22.0	0.0	0.	0.00
177	49.750	32.10	0.0	0.0	0.0	4.42	2.34	0.00	2.34	0.00	1.17	0.12	0.00	1.28	0.00	22.0	0.0	0.	0.00
178	49.500	32.09	0.0	0.0	0.0	4.43	2.34	0.00	2.34	0.00	1.17	0.12	0.00	1.28	0.00	22.1	0.0	0.	0.00
179	49.250	32.09	0.0	0.0	0.0	4.45	2.34	0.00	2.34	0.00	1.17	0.12	0.00	1.28	0.00	22.1	0.0	0.	0.00
180	49.000	32.08	0.0	0.0	0.0	4.52	2.38	0.00	2.38	0.00	1.17	0.11	0.00	1.28	0.00	22.2	0.0	0.	0.00
181	48.750	32.08	0.0	0.0	0.0	5.17	2.90	0.00	2.90	0.00	1.19	0.11	0.00	1.31	0.00	22.2	0.0	0.	0.00
182	48.500	32.08	0.0	0.0	0.0	5.15	2.88	0.00	2.88	0.00	1.19	0.11	0.00	1.31	0.00	22.2	0.0	0.	0.00
183	48.250	32.07	0.0	0.0	0.0	5.14	2.85	0.00	2.85	0.00	1.19	0.11	0.00	1.30	0.00	22.3	0.0	0.	0.00
184	48.000	32.07	0.0	0.0	0.0	5.12	2.82	0.00	2.82	0.00	1.19	0.11	0.00	1.30	0.00	22.3	0.0	0.	0.00
185	47.750	32.06	0.0	0.0	0.0	5.11	2.80	0.00	2.80	0.00	1.19	0.11	0.00	1.30	0.00	22.4	0.0	0.	0.00
186	47.500	32.06	0.0	0.0	0.0	5.09	2.78	0.00	2.78	0.00	1.19	0.11	0.00	1.30	0.00	22.4	0.0	0.	0.00
187	47.250	32.05	0.0	0.0	0.0	5.08	2.76	0.00	2.76	0.00	1.19	0.11	0.00	1.30	0.00	22.5	0.0	0.	0.00
188	47.000	32.05	0.0	0.0	0.0	5.07	2.74	0.00	2.74	0.00	1.19	0.11	0.00	1.30	0.00	22.5	0.0	0.	0.00
189	46.750	32.05	0.0	0.0	0.0	5.07	2.72	0.00	2.72	0.00	1.19	0.11	0.00	1.30	0.00	22.5	0.0	0.	0.00
190	46.500	32.04	0.0	0.0	0.0	5.06	2.70	0.00	2.70	0.00	1.19	0.11	0.00	1.30	0.00	22.6	0.0	0.	0.00
191	46.250	32.04	0.0	0.0	0.0	5.06	2.68	0.00	2.68	0.00	1.19	0.11	0.00	1.30	0.00	22.6	0.0	0.	0.00
192	46.000	32.03	0.0	0.0	0.0	5.05	2.66	0.00	2.66	0.00	1.18	0.11	0.00	1.30	0.00	22.7	0.0	0.	0.00
193	45.750	32.03	0.0	0.0	0.0	5.05	2.65	0.00	2.65	0.00	1.18	0.11	0.00	1.30	0.00	22.7	0.0	0.	0.00
194	45.500	32.02	0.0	0.0	0.0	5.05	2.63	0.00	2.63	0.00	1.18	0.11	0.00	1.30	0.00	22.8	0.0	0.	0.00
195	45.250	32.02	0.0	0.0	0.0	5.05	2.62	0.00	2.62	0.00	1.18	0.11	0.00	1.29	0.00	22.8	0.0	0.	0.00
196	45.000	32.02	0.0	0.0	0.0	5.05	2.60	0.00	2.60	0.00	1.18	0.11	0.00	1.29	0.00	22.8	0.0	0.	0.00
197	44.750	32.01	0.0	0.0	0.0	5.05	2.59	0.00	2.59	0.00	1.18	0.11	0.00	1.29	0.00	22.9	0.0	0.	0.00
198	44.500	32.01	0.0	0.0	0.0	5.05	2.58	0.00	2.58	0.00	1.18	0.11	0.00	1.29	0.00	22.9	0.0	0.	0.00
199	44.250	32.00	0.0	0.0	0.0	5.06	2.57	0.00	2.57	0.00	1.18	0.11	0.00	1.29	0.00	23.0	0.0	0.	0.00
200	44.000	32.00	0.0	0.0	0.0	5.06	2.55	0.00	2.55	0.00	1.18	0.11	0.00	1.29	0.00	23.0	0.0	0.	0.00
201	43.750	32.00	0.0	0.0	0.0	5.07	2.54	0.00	2.54	0.00	1.18	0.11	0.00	1.29	0.00	23.0	0.0	0.	0.00
202	43.500	31.99	0.0	0.0	0.0	5.07	2.53	0.00	2.53	0.00	1.18	0.11	0.00	1.29	0.00	23.1	0.0	0.	0.00
203	43.250	31.99	0.0	0.0	0.0	5.08	2.52	0.00	2.52	0.00	1.18	0.11	0.00	1.29	0.00	23.1	0.0	0.	0.00
204	43.000	31.98	0.0	0.0	0.0	5.09	2.51	0.00	2.51	0.00	1.18	0.11	0.00	1.29	0.00	23.2	0.0	0.	0.00
205	42.750	31.98	0.0	0.0	0.0	5.10	2.51	0.00	2.51	0.00	1.17	0.11	0.00	1.29	0.00	23.2	0.0	0.	0.00
206	42.500	31.98	0.0	0.0	0.0	5.10	2.50	0.00	2.50	0.00	1.17	0.11	0.00	1.29	0.00	23.2	0.0	0.	0.00
207	42.250	31.97	0.0	0.0	0.0	5.11	2.49	0.00	2.49	0.00	1.17	0.11	0.00	1.28	0.00	23.3	0.0	0.	0.00
208	42.000	31.97	0.0	0.0	0.0	5.12	2.48	0.00	2.48	0.00	1.17	0.11	0.00	1.28	0.00	23.3	0.0	0.	0.00
209	41.750	31.96	0.0	0.0	0.0	5.13	2.47	0.00	2.47	0.00	1.17	0.11	0.00	1.28	0.00	23.4	0.0	0.	0.00
210	41.500	31.96	0.0	0.0	0.0	5.15	2.47	0.00	2.47	0.00	1.17	0.11	0.00	1.28	0.00	23.4	0.0	0.	0.00
211	41.250	31.95	0.0	0.0	0.0	5.16	2.46	0.00	2.46	0.00	1.17	0.11	0.00	1.28	0.00	23.5	0.0	0.	0.00
212	41.000	31.95	0.0	0.0	0.0	5.17	2.46	0.00	2.46	0.00	1.17	0.11	0.00	1.28	0.00	23.5	0.0	0.	0.00
213	40.750	31.95	0.0	0.0	0.0	5.18	2.45	0.00	2.45	0.00	1.17	0.11	0.00	1.28	0.00	23.5	0.0	0.	0.00
214	40.500	31.94	0.0	0.0	0.0	5.20	2.44	0.00	2.44	0.00	1.17	0.11	0.00	1.28	0.00	23.6	0.0	0.	0.00

215	40.250	31.94	0.0	0.0	0.0	5.21	2.44	0.00	2.44	0.00	1.17	0.11	0.00	1.28	0.00	23.6	0.0	0.	0.00
216	40.000	31.93	0.0	0.0	0.0	5.22	2.43	0.00	2.43	0.00	1.17	0.11	0.00	1.28	0.00	23.7	0.0	0.	0.00
217	39.750	31.93	0.0	0.0	0.0	5.24	2.43	0.00	2.43	0.00	1.17	0.11	0.00	1.28	0.00	23.7	0.0	0.	0.00
218	39.500	31.92	0.0	0.0	0.0	5.25	2.42	0.00	2.42	0.00	1.16	0.11	0.00	1.28	0.00	23.8	0.0	0.	0.00
219	39.250	31.92	0.0	0.0	0.0	5.27	2.42	0.00	2.42	0.00	1.16	0.11	0.00	1.28	0.00	23.8	0.0	0.	0.00
220	39.000	31.92	0.0	0.0	0.0	5.28	2.42	0.00	2.42	0.00	1.16	0.11	0.00	1.27	0.00	23.8	0.0	0.	0.00
221	38.750	31.91	0.0	0.0	0.0	5.30	2.41	0.00	2.41	0.00	1.16	0.11	0.00	1.27	0.00	23.9	0.0	0.	0.00
222	38.500	31.91	0.0	0.0	0.0	5.34	2.41	0.00	2.41	0.00	1.16	0.11	0.00	1.27	0.00	23.9	0.0	0.	0.00
223	38.250	31.90	0.0	0.0	0.0	5.37	2.42	0.00	2.42	0.00	1.16	0.11	0.00	1.27	0.00	24.0	0.0	0.	0.00
224	38.000	31.90	0.0	0.0	0.0	5.33	2.58	0.00	2.58	0.00	1.17	0.11	0.00	1.28	0.00	24.0	0.0	0.	0.00
405	37.750	31.90	0.0	0.0	0.0	5.13	3.16	0.00	3.16	0.00	1.20	0.11	0.00	1.31	0.00	24.0	0.0	0.	0.00
406	37.500	31.90	0.0	0.0	0.0	5.19	3.22	0.00	3.22	0.00	1.20	0.11	0.00	1.31	0.00	24.0	0.0	0.	0.00
407	37.250	31.90	0.0	0.0	0.0	5.23	3.28	0.00	3.28	0.00	1.20	0.11	0.00	1.31	0.00	23.9	0.0	0.	0.00
408	37.000	31.91	0.0	0.0	0.0	5.27	3.33	0.00	3.33	0.00	1.19	0.11	0.00	1.31	0.00	23.9	0.0	0.	0.00
409	36.750	31.91	0.0	0.0	0.0	5.31	3.38	0.00	3.38	0.00	1.19	0.11	0.00	1.31	0.00	23.9	0.0	0.	0.00
410	36.500	31.91	0.0	0.0	0.0	5.33	3.43	0.00	3.43	0.00	1.19	0.11	0.00	1.31	0.00	23.9	0.0	0.	0.00
411	36.250	31.91	0.0	0.0	0.0	5.32	3.49	0.00	3.49	0.00	1.20	0.11	0.00	1.31	0.00	23.9	0.0	0.	0.00
412	36.000	31.91	0.0	0.0	0.0	5.27	3.62	0.00	3.62	0.00	1.20	0.11	0.00	1.31	0.00	23.8	0.0	0.	0.00
413	35.750	31.91	0.0	0.0	0.0	5.08	3.95	0.00	3.95	0.00	1.23	0.11	0.00	1.34	0.00	23.8	0.0	0.	0.00
414	35.500	31.91	0.0	0.0	0.0	5.06	3.95	0.00	3.95	0.00	1.22	0.11	0.00	1.34	0.00	23.8	0.0	0.	0.00
415	35.250	31.91	0.0	0.0	0.0	5.05	3.94	0.00	3.94	0.00	1.22	0.12	0.00	1.34	0.00	23.8	0.0	0.	0.00
416	35.000	31.92	0.0	0.0	0.0	5.04	3.93	0.00	3.93	0.00	1.22	0.12	0.00	1.34	0.00	23.8	0.0	0.	0.00
417	34.750	31.92	0.0	0.0	0.0	5.02	3.93	0.00	3.93	0.00	1.22	0.12	0.00	1.34	0.00	23.7	0.0	0.	0.00
418	34.500	31.92	0.0	0.0	0.0	5.01	3.92	0.00	3.92	0.00	1.22	0.12	0.00	1.33	0.00	23.7	0.0	0.	0.00
419	34.250	31.92	0.0	0.0	0.0	5.00	3.91	0.00	3.91	0.00	1.22	0.12	0.00	1.33	0.00	23.7	0.0	0.	0.00
420	34.000	31.92	0.0	0.0	0.0	4.99	3.91	0.00	3.91	0.00	1.22	0.12	0.00	1.33	0.00	23.7	0.0	0.	0.00
421	33.750	31.92	0.0	0.0	0.0	4.98	3.90	0.00	3.90	0.00	1.21	0.12	0.00	1.33	0.00	23.7	0.0	0.	0.00
422	33.500	31.92	0.0	0.0	0.0	4.97	3.90	0.00	3.90	0.00	1.21	0.12	0.00	1.33	0.00	23.6	0.0	0.	0.00
423	33.250	31.92	0.0	0.0	0.0	4.96	3.90	0.00	3.90	0.00	1.21	0.12	0.00	1.33	0.00	23.6	0.0	0.	0.00
424	33.000	31.93	0.0	0.0	0.0	4.95	3.89	0.00	3.89	0.00	1.21	0.12	0.00	1.33	0.00	23.6	0.0	0.	0.00
425	32.750	31.93	0.0	0.0	0.0	4.94	3.89	0.00	3.89	0.00	1.21	0.12	0.00	1.33	0.00	23.6	0.0	0.	0.00
426	32.500	31.93	0.0	0.0	0.0	4.93	3.89	0.00	3.89	0.00	1.21	0.12	0.00	1.32	0.00	23.6	0.0	0.	0.00
427	32.250	31.93	0.0	0.0	0.0	4.92	3.88	0.00	3.88	0.00	1.21	0.12	0.00	1.32	0.00	23.5	0.0	0.	0.00
428	32.000	31.93	0.0	0.0	0.0	4.91	3.88	0.00	3.88	0.00	1.21	0.12	0.00	1.32	0.00	23.5	0.0	0.	0.00
429	31.750	31.93	0.0	0.0	0.0	4.90	3.88	0.00	3.88	0.00	1.20	0.12	0.00	1.32	0.00	23.5	0.0	0.	0.00
430	31.500	31.93	0.0	0.0	0.0	4.89	3.88	0.00	3.88	0.00	1.20	0.12	0.00	1.32	0.00	23.5	0.0	0.	0.00
431	31.250	31.94	0.0	0.0	0.0	4.88	3.88	0.00	3.88	0.00	1.20	0.12	0.00	1.32	0.00	23.5	0.0	0.	0.00
432	31.000	31.94	0.0	0.0	0.0	4.87	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.32	0.00	23.4	0.0	0.	0.00
433	30.750	31.94	0.0	0.0	0.0	4.87	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.32	0.00	23.4	0.0	0.	0.00
434	30.500	31.94	0.0	0.0	0.0	4.86	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.31	0.00	23.4	0.0	0.	0.00
435	30.250	31.94	0.0	0.0	0.0	4.85	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.31	0.00	23.4	0.0	0.	0.00
436	30.000	31.94	0.0	0.0	0.0	4.84	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.31	0.00	23.4	0.0	0.	0.00
437	29.750	31.94	0.0	0.0	0.0	4.83	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.31	0.00	23.3	0.0	0.	0.00
438	29.500	31.94	0.0	0.0	0.0	4.82	3.87	0.00	3.87	0.00	1.19	0.12	0.00	1.31	0.00	23.3	0.0	0.	0.00
439	29.250	31.95	0.0	0.0	0.0	4.82	3.86	0.00	3.86	0.00	1.19	0.12	0.00	1.31	0.00	23.3	0.0	0.	0.00
440	29.000	31.95	0.0	0.0	0.0	4.81	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.31	0.00	23.3	0.0	0.	0.00
441	28.750	31.95	0.0	0.0	0.0	4.80	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.31	0.00	23.3	0.0	0.	0.00
442	28.500	31.95	0.0	0.0	0.0	4.79	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.2	0.0	0.	0.00
443	28.250	31.95	0.0	0.0	0.0	4.78	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.2	0.0	0.	0.00
444	28.000	31.95	0.0	0.0	0.0	4.78	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.2	0.0	0.	0.00

445	27.750	31.95	0.0	0.0	0.0	4.77	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.2	0.0	0.	0.00
446	27.500	31.96	0.0	0.0	0.0	4.76	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.2	0.0	0.	0.00
447	27.250	31.96	0.0	0.0	0.0	4.75	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.2	0.0	0.	0.00
448	27.000	31.96	0.0	0.0	0.0	4.74	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.1	0.0	0.	0.00
449	26.750	31.96	0.0	0.0	0.0	4.73	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.1	0.0	0.	0.00
450	26.500	31.96	0.0	0.0	0.0	4.73	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.1	0.0	0.	0.00
451	26.250	31.96	0.0	0.0	0.0	4.72	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.1	0.0	0.	0.00
452	26.000	31.96	0.0	0.0	0.0	4.71	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.1	0.0	0.	0.00
453	25.750	31.96	0.0	0.0	0.0	4.70	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.0	0.0	0.	0.00
454	25.500	31.97	0.0	0.0	0.0	4.69	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.0	0.0	0.	0.00
455	25.250	31.97	0.0	0.0	0.0	4.69	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.0	0.0	0.	0.00
456	25.000	31.97	0.0	0.0	0.0	4.68	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.0	0.0	0.	0.00
457	24.750	31.97	0.0	0.0	0.0	4.67	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.0	0.0	0.	0.00
458	24.500	31.97	0.0	0.0	0.0	4.66	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.29	0.00	22.9	0.0	0.	0.00
459	24.250	31.97	0.0	0.0	0.0	4.65	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.29	0.00	22.9	0.0	0.	0.00
460	24.000	31.97	0.0	0.0	0.0	4.64	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.29	0.00	22.9	0.0	0.	0.00
461	23.750	31.97	0.0	0.0	0.0	4.64	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.29	0.00	22.9	0.0	0.	0.00
462	23.500	31.98	0.0	0.0	0.0	4.63	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.28	0.00	22.9	0.0	0.	0.00
463	23.250	31.98	0.0	0.0	0.0	4.62	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.28	0.00	22.8	0.0	0.	0.00
464	23.000	31.98	0.0	0.0	0.0	4.61	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.28	0.00	22.8	0.0	0.	0.00
465	22.750	31.98	0.0	0.0	0.0	4.60	3.86	0.00	3.86	0.00	1.17	0.11	0.00	1.28	0.00	22.8	0.0	0.	0.00
466	22.500	31.98	0.0	0.0	0.0	4.58	3.87	0.00	3.87	0.00	1.17	0.11	0.00	1.28	0.00	22.8	0.0	0.	0.00
467	22.250	31.98	0.0	0.0	0.0	4.55	3.94	0.00	3.94	0.00	1.17	0.11	0.00	1.28	0.00	22.8	0.0	0.	0.00
468	22.000	31.98	0.0	0.0	0.0	4.48	4.15	0.00	4.15	0.00	1.18	0.11	0.00	1.29	0.00	22.7	0.0	0.	0.00
469	21.750	31.99	0.0	0.0	0.0	4.31	4.91	0.00	4.91	0.00	1.20	0.11	0.00	1.31	0.00	22.7	0.0	0.	0.00
470	21.500	31.99	0.0	0.0	0.0	4.24	4.84	0.00	4.84	0.00	1.20	0.11	0.00	1.31	0.00	22.7	0.0	0.	0.00
471	21.250	31.99	0.0	0.0	0.0	4.18	4.77	0.00	4.77	0.00	1.20	0.11	0.00	1.31	0.00	22.7	0.0	0.	0.00
472	21.000	31.99	0.0	0.0	0.0	4.12	4.71	0.00	4.71	0.00	1.20	0.11	0.00	1.31	0.00	22.7	0.0	0.	0.00
473	20.750	31.99	0.0	0.0	0.0	4.07	4.65	0.00	4.65	0.00	1.20	0.11	0.00	1.31	0.00	22.6	0.0	0.	0.00
474	20.500	31.99	0.0	0.0	0.0	4.02	4.59	0.00	4.59	0.00	1.20	0.11	0.00	1.31	0.00	22.6	0.0	0.	0.00
475	20.250	31.99	0.0	0.0	0.0	3.97	4.54	0.00	4.54	0.00	1.19	0.11	0.00	1.31	0.00	22.6	0.0	0.	0.00
476	20.000	31.99	0.0	0.0	0.0	3.93	4.50	0.00	4.50	0.00	1.19	0.11	0.00	1.31	0.00	22.6	0.0	0.	0.00
477	19.750	32.00	0.0	0.0	0.0	3.89	4.45	0.00	4.45	0.00	1.19	0.11	0.00	1.31	0.00	22.6	0.0	0.	0.00
478	19.500	32.00	0.0	0.0	0.0	3.86	4.41	0.00	4.41	0.00	1.19	0.12	0.00	1.31	0.00	22.5	0.0	0.	0.00
479	19.250	32.00	0.0	0.0	0.0	3.83	4.37	0.00	4.37	0.00	1.19	0.12	0.00	1.31	0.00	22.5	0.0	0.	0.00
480	19.000	32.00	0.0	0.0	0.0	3.80	4.34	0.00	4.34	0.00	1.19	0.12	0.00	1.31	0.00	22.5	0.0	0.	0.00
481	18.750	32.00	0.0	0.0	0.0	3.77	4.30	0.00	4.30	0.00	1.19	0.12	0.00	1.31	0.00	22.5	0.0	0.	0.00
482	18.500	32.00	0.0	0.0	0.0	3.75	4.27	0.00	4.27	0.00	1.19	0.12	0.00	1.30	0.00	22.5	0.0	0.	0.00
483	18.250	32.00	0.0	0.0	0.0	3.73	4.24	0.00	4.24	0.00	1.19	0.12	0.00	1.30	0.00	22.4	0.0	0.	0.00
484	18.000	32.01	0.0	0.0	0.0	3.71	4.22	0.00	4.22	0.00	1.19	0.12	0.00	1.30	0.00	22.4	0.0	0.	0.00
485	17.750	32.01	0.0	0.0	0.0	3.69	4.19	0.00	4.19	0.00	1.19	0.12	0.00	1.30	0.00	22.4	0.0	0.	0.00
486	17.500	32.01	0.0	0.0	0.0	3.68	4.17	0.00	4.17	0.00	1.19	0.12	0.00	1.30	0.00	22.4	0.0	0.	0.00
487	17.250	32.01	0.0	0.0	0.0	3.66	4.15	0.00	4.15	0.00	1.18	0.12	0.00	1.30	0.00	22.4	0.0	0.	0.00
488	17.000	32.01	0.0	0.0	0.0	3.65	4.13	0.00	4.13	0.00	1.18	0.12	0.00	1.30	0.00	22.3	0.0	0.	0.00
489	16.750	32.01	0.0	0.0	0.0	3.64	4.11	0.00	4.11	0.00	1.18	0.12	0.00	1.30	0.00	22.3	0.0	0.	0.00
490	16.500	32.01	0.0	0.0	0.0	3.63	4.09	0.00	4.09	0.00	1.18	0.12	0.00	1.30	0.00	22.3	0.0	0.	0.00
491	16.250	32.01	0.0	0.0	0.0	3.62	4.08	0.00	4.08	0.00	1.18	0.12	0.00	1.30	0.00	22.3	0.0	0.	0.00
492	16.000	32.02	0.0	0.0	0.0	3.61	4.08	0.00	4.08	0.00	1.18	0.12	0.00	1.30	0.00	22.3	0.0	0.	0.00
493	15.750	32.02	0.0	0.0	0.0	3.59	4.13	0.00	4.13	0.00	1.17	0.12	0.00	1.29	0.00	22.2	0.0	0.	0.00
494	15.500	32.02	0.0	0.0	0.0	3.58	4.11	0.00	4.11	0.00	1.17	0.12	0.00	1.29	0.00	22.2	0.0	0.	0.00

495	15.250	32.02	0.0	0.0	0.0	3.57	4.09	0.00	4.09	0.00	1.17	0.12	0.00	1.29	0.00	22.2	0.0	0.	0.00
496	15.000	32.02	0.0	0.0	0.0	3.56	4.08	0.00	4.08	0.00	1.17	0.12	0.00	1.29	0.00	22.2	0.0	0.	0.00
497	14.750	32.02	0.0	0.0	0.0	3.55	4.06	0.00	4.06	0.00	1.17	0.12	0.00	1.29	0.00	22.2	0.0	0.	0.00
498	14.500	32.02	0.0	0.0	0.0	3.54	4.05	0.00	4.05	0.00	1.17	0.12	0.00	1.29	0.00	22.1	0.0	0.	0.00
499	14.250	32.02	0.0	0.0	0.0	3.54	4.03	0.00	4.03	0.00	1.17	0.12	0.00	1.29	0.00	22.1	0.0	0.	0.00
500	14.000	32.03	0.0	0.0	0.0	3.53	4.02	0.00	4.02	0.00	1.17	0.12	0.00	1.29	0.00	22.1	0.0	0.	0.00
501	13.750	32.03	0.0	0.0	0.0	3.53	4.01	0.00	4.01	0.00	1.17	0.12	0.00	1.29	0.00	22.1	0.0	0.	0.00
502	13.500	32.03	0.0	0.0	0.0	3.52	4.00	0.00	4.00	0.00	1.17	0.12	0.00	1.29	0.00	22.1	0.0	0.	0.00
503	13.250	32.03	0.0	0.0	0.0	3.52	3.99	0.00	3.99	0.00	1.17	0.12	0.00	1.29	0.00	22.0	0.0	0.	0.00
504	13.000	32.03	0.0	0.0	0.0	3.51	3.98	0.00	3.98	0.00	1.17	0.12	0.00	1.29	0.00	22.0	0.0	0.	0.00
505	12.750	32.03	0.0	0.0	0.0	3.51	3.97	0.00	3.97	0.00	1.17	0.12	0.00	1.29	0.00	22.0	0.0	0.	0.00
506	12.500	32.03	0.0	0.0	0.0	3.51	3.96	0.00	3.96	0.00	1.17	0.12	0.00	1.28	0.00	22.0	0.0	0.	0.00
507	12.250	32.04	0.0	0.0	0.0	3.51	3.95	0.00	3.95	0.00	1.16	0.12	0.00	1.28	0.00	22.0	0.0	0.	0.00
508	12.000	32.04	0.0	0.0	0.0	3.50	3.95	0.00	3.95	0.00	1.16	0.12	0.00	1.28	0.00	21.9	0.0	0.	0.00
509	11.750	32.04	0.0	0.0	0.0	3.50	3.94	0.00	3.94	0.00	1.16	0.12	0.00	1.28	0.00	21.9	0.0	0.	0.00
510	11.500	32.04	0.0	0.0	0.0	3.50	3.93	0.00	3.93	0.00	1.16	0.12	0.00	1.28	0.00	21.9	0.0	0.	0.00
511	11.250	32.04	0.0	0.0	0.0	3.50	3.93	0.00	3.93	0.00	1.16	0.12	0.00	1.28	0.00	21.9	0.0	0.	0.00
512	11.000	32.04	0.0	0.0	0.0	3.50	3.92	0.00	3.92	0.00	1.16	0.12	0.00	1.28	0.00	21.9	0.0	0.	0.00
513	10.750	32.04	0.0	0.0	0.0	3.50	3.91	0.00	3.91	0.00	1.16	0.12	0.00	1.28	0.00	21.8	0.0	0.	0.00
514	10.500	32.04	0.0	0.0	0.0	3.50	3.91	0.00	3.91	0.00	1.16	0.12	0.00	1.28	0.00	21.8	0.0	0.	0.00
515	10.250	32.05	0.0	0.0	0.0	3.49	3.90	0.00	3.90	0.00	1.16	0.12	0.00	1.28	0.00	21.8	0.0	0.	0.00
516	10.000	32.05	0.0	0.0	0.0	3.49	3.90	0.00	3.90	0.00	1.16	0.12	0.00	1.28	0.00	21.8	0.0	0.	0.00
517	9.750	32.05	0.0	0.0	0.0	3.49	3.90	0.00	3.90	0.00	1.16	0.12	0.00	1.28	0.00	21.8	0.0	0.	0.00
518	9.500	32.05	0.0	0.0	0.0	3.49	3.89	0.00	3.89	0.00	1.16	0.12	0.00	1.28	0.00	21.8	0.0	0.	0.00
519	9.250	32.05	0.0	0.0	0.0	3.49	3.89	0.00	3.89	0.00	1.16	0.12	0.00	1.28	0.00	21.7	0.0	0.	0.00
520	9.000	32.05	0.0	0.0	0.0	3.49	3.88	0.00	3.88	0.00	1.16	0.12	0.00	1.28	0.00	21.7	0.0	0.	0.00
521	8.750	32.05	0.0	0.0	0.0	3.49	3.88	0.00	3.88	0.00	1.16	0.12	0.00	1.28	0.00	21.7	0.0	0.	0.00
522	8.500	32.06	0.0	0.0	0.0	3.49	3.88	0.00	3.88	0.00	1.16	0.12	0.00	1.28	0.00	21.7	0.0	0.	0.00
523	8.250	32.06	0.0	0.0	0.0	3.49	3.89	0.00	3.89	0.00	1.15	0.12	0.00	1.27	0.00	21.7	0.0	0.	0.00
524	8.000	32.06	0.0	0.0	0.0	3.48	3.93	0.00	3.93	0.00	1.15	0.12	0.00	1.27	0.00	21.6	0.0	0.	0.00
525	7.750	32.06	0.0	0.0	0.0	3.46	4.10	0.00	4.10	0.00	1.14	0.12	0.00	1.26	0.00	21.6	0.0	0.	0.00
526	7.500	32.06	0.0	0.0	0.0	3.44	4.08	0.00	4.08	0.00	1.14	0.12	0.00	1.26	0.00	21.6	0.0	0.	0.00
527	7.250	32.06	0.0	0.0	0.0	3.43	4.07	0.00	4.07	0.00	1.14	0.12	0.00	1.26	0.00	21.6	0.0	0.	0.00
528	7.000	32.06	0.0	0.0	0.0	3.42	4.05	0.00	4.05	0.00	1.14	0.12	0.00	1.26	0.00	21.6	0.0	0.	0.00
529	6.750	32.06	0.0	0.0	0.0	3.41	4.04	0.00	4.04	0.00	1.14	0.12	0.00	1.26	0.00	21.5	0.0	0.	0.00
530	6.500	32.07	0.0	0.0	0.0	3.40	4.03	0.00	4.03	0.00	1.14	0.12	0.00	1.26	0.00	21.5	0.0	0.	0.00
531	6.250	32.07	0.0	0.0	0.0	3.39	4.02	0.00	4.02	0.00	1.14	0.12	0.00	1.26	0.00	21.5	0.0	0.	0.00
532	6.000	32.07	0.0	0.0	0.0	3.38	4.00	0.00	4.00	0.00	1.14	0.12	0.00	1.26	0.00	21.5	0.0	0.	0.00
533	5.750	32.07	0.0	0.0	0.0	3.38	3.99	0.00	3.99	0.00	1.14	0.12	0.00	1.26	0.00	21.5	0.0	0.	0.00
534	5.500	32.07	0.0	0.0	0.0	3.37	3.98	0.00	3.98	0.00	1.14	0.12	0.00	1.26	0.00	21.4	0.0	0.	0.00
535	5.250	32.07	0.0	0.0	0.0	3.36	3.97	0.00	3.97	0.00	1.14	0.12	0.00	1.26	0.00	21.4	0.0	0.	0.00
536	5.000	32.07	0.0	0.0	0.0	3.36	3.97	0.00	3.97	0.00	1.14	0.12	0.00	1.26	0.00	21.4	0.0	0.	0.00
537	4.750	32.07	0.0	0.0	0.0	3.35	3.96	0.00	3.96	0.00	1.14	0.12	0.00	1.26	0.00	21.4	0.0	0.	0.00
538	4.500	32.08	0.0	0.0	0.0	3.34	3.95	0.00	3.95	0.00	1.14	0.12	0.00	1.25	0.00	21.4	0.0	0.	0.00
539	4.250	32.08	0.0	0.0	0.0	3.34	3.94	0.00	3.94	0.00	1.14	0.12	0.00	1.25	0.00	21.3	0.0	0.	0.00
540	4.000	32.08	0.0	0.0	0.0	3.33	3.94	0.00	3.94	0.00	1.14	0.12	0.00	1.25	0.00	21.3	0.0	0.	0.00
541	3.750	32.08	0.0	0.0	0.0	3.33	3.93	0.00	3.93	0.00	1.14	0.12	0.00	1.25	0.00	21.3	0.0	0.	0.00
542	3.500	32.08	0.0	0.0	0.0	3.32	3.92	0.00	3.92	0.00	1.14	0.12	0.00	1.25	0.00	21.3	0.0	0.	0.00
543	3.250	32.08	0.0	0.0	0.0	3.32	3.92	0.00	3.92	0.00	1.13	0.12	0.00	1.25	0.00	21.3	0.0	0.	0.00
544	3.000	32.08	0.0	0.0	0.0	3.32	3.91	0.00	3.91	0.00	1.13	0.12	0.00	1.25	0.00	21.2	0.0	0.	0.00

545	2.750	32.09	0.0	0.0	0.0	3.31	3.91	0.00	3.91	0.00	1.13	0.12	0.00	1.25	0.00	21.2	0.0	0.	0.00
546	2.500	32.09	0.0	0.0	0.0	3.31	3.90	0.00	3.90	0.00	1.13	0.12	0.00	1.25	0.00	21.2	0.0	0.	0.00
547	2.250	32.09	0.0	0.0	0.0	3.31	3.90	0.00	3.90	0.00	1.13	0.12	0.00	1.25	0.00	21.2	0.0	0.	0.00
548	2.000	32.09	0.0	0.0	0.0	3.30	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	21.2	0.0	0.	0.00
549	1.750	32.09	0.0	0.0	0.0	3.30	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	21.1	0.0	0.	0.00
550	1.500	32.09	0.0	0.0	0.0	3.30	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	21.1	0.0	0.	0.00
551	1.250	32.09	0.0	0.0	0.0	3.29	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.25	0.00	21.1	0.0	0.	0.00
552	1.000	32.09	0.0	0.0	0.0	3.29	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.25	0.00	21.1	0.0	0.	0.00
553	0.750	32.10	0.0	0.0	0.0	3.29	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.24	0.00	21.1	0.0	0.	0.00
554	0.500	32.10	0.0	0.0	0.0	3.31	3.87	0.00	3.87	0.00	1.11	0.12	0.00	1.23	0.00	21.0	0.0	0.	0.00
555	0.250	32.10	0.0	0.0	0.0	3.39	3.86	0.00	3.86	0.00	1.03	0.12	0.00	1.15	0.00	21.0	0.0	0.	0.00
556	0.000	32.10	0.0	0.0	0.0	3.77	3.84	0.00	3.84	0.00	0.70	0.13	0.00	0.83	0.00	21.0	0.0	0.	0.00

SPECIAL REPORT: Bayou Black

WATER QUALITY CONSTITUENT VALUES

ELEM	ENDING	TEMP	SALN		CM-I	CM-II	DO	BOD1	BOD2	EBOD#1	EBOD#2	ORG-N	NH3-N	NO3-N	TOTN	PHOS	CHL A	MACRO	COLI	NCM
NO.	km	deg C	ppt	*	*	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	**	#/100mL	*		
225	44.750	32.10	0.0	0.0	0.0	10.74	0.42	0.00	0.42	0.00	0.16	0.01	0.00	0.17	0.00	25.0	0.0	0.	0.00	
226	44.500	32.09	0.0	0.0	0.0	10.80	0.38	0.00	0.38	0.00	0.15	0.01	0.00	0.16	0.00	25.0	0.0	0.	0.00	
227	44.250	32.09	0.0	0.0	0.0	10.84	0.37	0.00	0.37	0.00	0.15	0.01	0.00	0.16	0.00	25.0	0.0	0.	0.00	
228	44.000	32.08	0.0	0.0	0.0	10.86	0.36	0.00	0.36	0.00	0.14	0.01	0.00	0.15	0.00	25.0	0.0	0.	0.00	
229	43.750	32.08	0.0	0.0	0.0	10.87	0.36	0.00	0.36	0.00	0.14	0.01	0.00	0.15	0.00	25.0	0.0	0.	0.00	
230	43.500	32.08	0.0	0.0	0.0	10.88	0.36	0.00	0.36	0.00	0.14	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
231	43.250	32.07	0.0	0.0	0.0	10.88	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
232	43.000	32.07	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
233	42.750	32.06	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
234	42.500	32.06	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
235	42.250	32.06	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
236	42.000	32.05	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
237	41.750	32.05	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
238	41.500	32.04	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
239	41.250	32.04	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
240	41.000	32.04	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
241	40.750	32.03	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
242	40.500	32.03	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
243	40.250	32.02	0.0	0.0	0.0	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
244	40.000	32.02	0.0	0.0	0.0	10.88	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
245	39.750	32.02	0.0	0.0	0.0	10.87	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
246	39.500	32.01	0.0	0.0	0.0	10.85	0.37	0.00	0.37	0.00	0.14	0.01	0.00	0.14	0.00	25.0	0.0	0.	0.00	
247	39.250	32.01	0.0	0.0	0.0	10.81	0.38	0.00	0.38	0.00	0.14	0.01	0.00	0.15	0.00	25.0	0.0	0.	0.00	
248	39.000	32.00	0.0	0.0	0.0	10.73	0.41	0.00	0.41	0.00	0.14	0.01	0.00	0.15	0.00	25.0	0.0	0.	0.00	
249	38.750	32.00	0.0	0.0	0.0	10.57	0.48	0.00	0.48	0.00	0.15	0.01	0.00	0.16	0.00	25.0	0.0	0.	0.00	
250	38.500	32.00	0.0	0.0	0.0	10.00	0.87	0.00	0.87	0.00	0.17	0.01	0.00	0.18	0.00	25.7	0.0	0.	0.00	
251	38.250	32.00	0.0	0.0	0.0	8.45	2.18	0.00	2.18	0.00	0.25	0.01	0.00	0.26	0.00	26.4	0.0	0.	0.00	
252	38.000	32.00	0.0	0.0	0.0	7.44	3.18	0.00	3.18	0.00	0.32	0.02	0.00	0.33	0.00	27.1	0.0	0.	0.00	
253	37.750	32.00	0.0	0.0	0.0	6.77	3.96	0.00	3.96	0.00	0.38	0.02	0.00	0.40	0.00	27.9	0.0	0.	0.00	
254	37.500	32.00	0.0	0.0	0.0	6.31	4.56	0.00	4.56	0.00	0.44	0.02	0.00	0.47	0.00	28.6	0.0	0.	0.00	
255	37.250	32.00	0.0	0.0	0.0	6.00	5.04	0.00	5.04	0.00	0.50	0.03	0.00	0.53	0.00	29.3	0.0	0.	0.00	
256	37.000	32.00	0.0	0.0	0.0	5.77	5.41	0.00	5.41	0.00	0.56	0.03	0.00	0.58	0.00	30.0	0.0	0.	0.00	
257	36.750	32.00	0.0	0.0	0.0	5.62	5.70	0.00	5.70	0.00	0.61	0.03	0.00	0.64	0.00	30.7	0.0	0.	0.00	
258	36.500	32.00	0.0	0.0	0.0	5.51	5.94	0.00	5.94	0.00	0.65	0.03	0.00	0.69	0.00	31.4	0.0	0.	0.00	

259	36.250	32.00	0.0	0.0	0.0	5.43	6.12	0.00	6.12	0.00	0.70	0.04	0.00	0.74	0.00	32.1	0.0	0.	0.00
260	36.000	32.00	0.0	0.0	0.0	5.36	6.36	0.00	6.36	0.00	0.74	0.04	0.00	0.78	0.00	32.9	0.0	0.	0.00
261	35.750	32.00	0.0	0.0	0.0	5.32	6.46	0.00	6.46	0.00	0.78	0.04	0.00	0.82	0.00	33.6	0.0	0.	0.00
262	35.500	32.00	0.0	0.0	0.0	5.30	6.55	0.00	6.55	0.00	0.82	0.05	0.00	0.86	0.00	34.3	0.0	0.	0.00
263	35.250	32.00	0.0	0.0	0.0	5.29	6.61	0.00	6.61	0.00	0.85	0.05	0.00	0.90	0.00	35.0	0.0	0.	0.00
264	35.000	32.00	0.0	0.0	0.0	5.29	6.67	0.00	6.67	0.00	0.89	0.05	0.00	0.94	0.00	35.7	0.0	0.	0.00
265	34.750	32.00	0.0	0.0	0.0	5.30	6.72	0.00	6.72	0.00	0.92	0.05	0.00	0.97	0.00	36.4	0.0	0.	0.00
266	34.500	32.00	0.0	0.0	0.0	5.32	6.75	0.00	6.75	0.00	0.95	0.05	0.00	1.00	0.00	37.1	0.0	0.	0.00
267	34.250	32.00	0.0	0.0	0.0	5.33	6.79	0.00	6.79	0.00	0.97	0.06	0.00	1.03	0.00	37.9	0.0	0.	0.00
268	34.000	32.00	0.0	0.0	0.0	5.35	6.82	0.00	6.82	0.00	1.00	0.06	0.00	1.06	0.00	38.6	0.0	0.	0.00
269	33.750	32.00	0.0	0.0	0.0	5.38	6.84	0.00	6.84	0.00	1.03	0.06	0.00	1.09	0.00	39.3	0.0	0.	0.00
270	33.500	32.00	0.0	0.0	0.0	5.40	6.86	0.00	6.86	0.00	1.05	0.06	0.00	1.11	0.00	40.0	0.0	0.	0.00
271	33.250	32.00	0.0	0.0	0.0	5.43	6.87	0.00	6.87	0.00	1.07	0.06	0.00	1.14	0.00	40.7	0.0	0.	0.00
272	33.000	32.00	0.0	0.0	0.0	5.46	6.88	0.00	6.88	0.00	1.10	0.06	0.00	1.16	0.00	41.4	0.0	0.	0.00
273	32.750	32.00	0.0	0.0	0.0	5.49	6.89	0.00	6.89	0.00	1.12	0.06	0.00	1.18	0.00	42.1	0.0	0.	0.00
274	32.500	32.00	0.0	0.0	0.0	5.53	6.90	0.00	6.90	0.00	1.14	0.07	0.00	1.20	0.00	42.9	0.0	0.	0.00
275	32.250	32.00	0.0	0.0	0.0	5.56	6.91	0.00	6.91	0.00	1.16	0.07	0.00	1.22	0.00	43.6	0.0	0.	0.00
276	32.000	32.00	0.0	0.0	0.0	5.59	6.91	0.00	6.91	0.00	1.17	0.07	0.00	1.24	0.00	44.3	0.0	0.	0.00
277	31.750	32.00	0.0	0.0	0.0	5.63	6.92	0.00	6.92	0.00	1.19	0.07	0.00	1.26	0.00	45.0	0.0	0.	0.00
278	31.500	32.00	0.0	0.0	0.0	5.62	7.26	0.00	7.26	0.00	1.21	0.08	0.00	1.29	0.00	45.7	0.0	0.	0.00
279	31.250	32.00	0.0	0.0	0.0	5.63	7.22	0.00	7.22	0.00	1.22	0.08	0.00	1.30	0.00	46.4	0.0	0.	0.00
280	31.000	32.00	0.0	0.0	0.0	5.66	7.18	0.00	7.18	0.00	1.24	0.08	0.00	1.32	0.00	47.1	0.0	0.	0.00
281	30.750	32.00	0.0	0.0	0.0	5.69	7.15	0.00	7.15	0.00	1.25	0.08	0.00	1.33	0.00	47.9	0.0	0.	0.00
282	30.500	32.00	0.0	0.0	0.0	5.73	7.13	0.00	7.13	0.00	1.27	0.08	0.00	1.35	0.00	48.6	0.0	0.	0.00
283	30.250	32.00	0.0	0.0	0.0	5.77	7.10	0.00	7.10	0.00	1.28	0.08	0.00	1.36	0.00	49.3	0.0	0.	0.00
284	30.000	32.00	0.0	0.0	0.0	5.81	7.08	0.00	7.08	0.00	1.29	0.08	0.00	1.37	0.00	50.0	0.0	0.	0.00
285	29.750	32.00	0.0	0.0	0.0	5.41	6.58	0.00	6.58	0.00	1.29	0.08	0.00	1.36	0.00	49.8	0.0	0.	0.00
286	29.500	32.00	0.0	0.0	0.0	5.16	6.14	0.00	6.14	0.00	1.28	0.08	0.00	1.36	0.00	49.6	0.0	0.	0.00
287	29.250	32.00	0.0	0.0	0.0	5.02	5.76	0.00	5.76	0.00	1.27	0.08	0.00	1.35	0.00	49.3	0.0	0.	0.00
288	29.000	32.00	0.0	0.0	0.0	4.95	5.44	0.00	5.44	0.00	1.26	0.08	0.00	1.34	0.00	49.1	0.0	0.	0.00
289	28.750	32.00	0.0	0.0	0.0	4.93	5.16	0.00	5.16	0.00	1.25	0.08	0.00	1.33	0.00	48.9	0.0	0.	0.00
290	28.500	32.00	0.0	0.0	0.0	4.93	4.92	0.00	4.92	0.00	1.25	0.08	0.00	1.32	0.00	48.7	0.0	0.	0.00
291	28.250	31.99	0.0	0.0	0.0	4.95	4.71	0.00	4.71	0.00	1.24	0.08	0.00	1.32	0.00	48.5	0.0	0.	0.00
292	28.000	31.99	0.0	0.0	0.0	4.94	4.89	0.00	4.89	0.00	1.23	0.09	0.00	1.32	0.00	48.3	0.0	0.	0.00
293	27.750	31.99	0.0	0.0	0.0	4.95	4.69	0.00	4.69	0.00	1.23	0.09	0.00	1.31	0.00	48.0	0.0	0.	0.00
294	27.500	31.99	0.0	0.0	0.0	4.97	4.52	0.00	4.52	0.00	1.22	0.08	0.00	1.30	0.00	47.8	0.0	0.	0.00
295	27.250	31.99	0.0	0.0	0.0	5.00	4.36	0.00	4.36	0.00	1.21	0.08	0.00	1.30	0.00	47.6	0.0	0.	0.00
296	27.000	31.99	0.0	0.0	0.0	5.03	4.23	0.00	4.23	0.00	1.21	0.08	0.00	1.29	0.00	47.4	0.0	0.	0.00
297	26.750	31.99	0.0	0.0	0.0	5.06	4.12	0.00	4.12	0.00	1.20	0.08	0.00	1.28	0.00	47.2	0.0	0.	0.00
298	26.500	31.99	0.0	0.0	0.0	5.09	4.01	0.00	4.01	0.00	1.20	0.08	0.00	1.28	0.00	47.0	0.0	0.	0.00
299	26.250	31.99	0.0	0.0	0.0	5.12	3.93	0.00	3.93	0.00	1.19	0.08	0.00	1.27	0.00	46.8	0.0	0.	0.00
300	26.000	31.99	0.0	0.0	0.0	5.15	3.85	0.00	3.85	0.00	1.18	0.08	0.00	1.26	0.00	46.5	0.0	0.	0.00
301	25.750	31.99	0.0	0.0	0.0	5.17	3.78	0.00	3.78	0.00	1.18	0.08	0.00	1.26	0.00	46.3	0.0	0.	0.00
302	25.500	31.99	0.0	0.0	0.0	5.19	3.73	0.00	3.73	0.00	1.17	0.08	0.00	1.25	0.00	46.1	0.0	0.	0.00
303	25.250	31.98	0.0	0.0	0.0	5.21	3.68	0.00	3.68	0.00	1.17	0.08	0.00	1.24	0.00	45.9	0.0	0.	0.00
304	25.000	31.98	0.0	0.0	0.0	5.22	3.63	0.00	3.63	0.00	1.16	0.07	0.00	1.24	0.00	45.7	0.0	0.	0.00
305	24.750	31.98	0.0	0.0	0.0	5.23	3.59	0.00	3.59	0.00	1.16	0.07	0.00	1.23	0.00	45.5	0.0	0.	0.00
306	24.500	31.98	0.0	0.0	0.0	5.24	3.56	0.00	3.56	0.00	1.15	0.07	0.00	1.23	0.00	45.2	0.0	0.	0.00
307	24.250	31.98	0.0	0.0	0.0	5.25	3.53	0.00	3.53	0.00	1.15	0.07	0.00	1.22	0.00	45.0	0.0	0.	0.00
308	24.000	31.98	0.0	0.0	0.0	5.25	3.50	0.00	3.50	0.00	1.14	0.07	0.00	1.22	0.00	44.8	0.0	0.	0.00

309	23.750	31.98	0.0	0.0	0.0	5.26	3.48	0.00	3.48	0.00	1.14	0.07	0.00	1.21	0.00	44.6	0.0	0.	0.00
310	23.500	31.98	0.0	0.0	0.0	5.26	3.46	0.00	3.46	0.00	1.13	0.07	0.00	1.21	0.00	44.4	0.0	0.	0.00
311	23.250	31.98	0.0	0.0	0.0	5.26	3.44	0.00	3.44	0.00	1.13	0.07	0.00	1.20	0.00	44.2	0.0	0.	0.00
312	23.000	31.98	0.0	0.0	0.0	5.24	3.59	0.00	3.59	0.00	1.13	0.07	0.00	1.20	0.00	43.9	0.0	0.	0.00
313	22.750	31.98	0.0	0.0	0.0	5.22	3.56	0.00	3.56	0.00	1.12	0.07	0.00	1.20	0.00	43.7	0.0	0.	0.00
314	22.500	31.98	0.0	0.0	0.0	5.21	3.53	0.00	3.53	0.00	1.12	0.07	0.00	1.19	0.00	43.5	0.0	0.	0.00
315	22.250	31.97	0.0	0.0	0.0	5.21	3.50	0.00	3.50	0.00	1.11	0.07	0.00	1.19	0.00	43.3	0.0	0.	0.00
316	22.000	31.97	0.0	0.0	0.0	5.20	3.48	0.00	3.48	0.00	1.11	0.07	0.00	1.18	0.00	43.1	0.0	0.	0.00
317	21.750	31.97	0.0	0.0	0.0	5.19	3.46	0.00	3.46	0.00	1.10	0.07	0.00	1.18	0.00	42.8	0.0	0.	0.00
318	21.500	31.97	0.0	0.0	0.0	5.19	3.44	0.00	3.44	0.00	1.10	0.07	0.00	1.17	0.00	42.6	0.0	0.	0.00
319	21.250	31.97	0.0	0.0	0.0	5.18	3.43	0.00	3.43	0.00	1.10	0.07	0.00	1.17	0.00	42.4	0.0	0.	0.00
320	21.000	31.97	0.0	0.0	0.0	5.18	3.41	0.00	3.41	0.00	1.09	0.07	0.00	1.16	0.00	42.2	0.0	0.	0.00
321	20.750	31.97	0.0	0.0	0.0	5.17	3.40	0.00	3.40	0.00	1.09	0.07	0.00	1.16	0.00	42.0	0.0	0.	0.00
322	20.500	31.97	0.0	0.0	0.0	5.16	3.39	0.00	3.39	0.00	1.09	0.07	0.00	1.16	0.00	41.8	0.0	0.	0.00
323	20.250	31.97	0.0	0.0	0.0	5.16	3.38	0.00	3.38	0.00	1.08	0.07	0.00	1.15	0.00	41.5	0.0	0.	0.00
324	20.000	31.97	0.0	0.0	0.0	5.15	3.37	0.00	3.37	0.00	1.08	0.07	0.00	1.15	0.00	41.3	0.0	0.	0.00
325	19.750	31.97	0.0	0.0	0.0	5.14	3.37	0.00	3.37	0.00	1.08	0.07	0.00	1.14	0.00	41.1	0.0	0.	0.00
326	19.500	31.97	0.0	0.0	0.0	5.13	3.36	0.00	3.36	0.00	1.07	0.07	0.00	1.14	0.00	40.9	0.0	0.	0.00
327	19.250	31.96	0.0	0.0	0.0	5.13	3.35	0.00	3.35	0.00	1.07	0.07	0.00	1.14	0.00	40.7	0.0	0.	0.00
328	19.000	31.96	0.0	0.0	0.0	5.12	3.35	0.00	3.35	0.00	1.07	0.07	0.00	1.13	0.00	40.5	0.0	0.	0.00
329	18.750	31.96	0.0	0.0	0.0	5.11	3.34	0.00	3.34	0.00	1.06	0.07	0.00	1.13	0.00	40.2	0.0	0.	0.00
330	18.500	31.96	0.0	0.0	0.0	5.10	3.34	0.00	3.34	0.00	1.06	0.07	0.00	1.13	0.00	40.0	0.0	0.	0.00
331	18.250	31.96	0.0	0.0	0.0	5.08	3.40	0.00	3.40	0.00	1.06	0.07	0.00	1.13	0.00	39.8	0.0	0.	0.00
332	18.000	31.96	0.0	0.0	0.0	5.07	3.39	0.00	3.39	0.00	1.06	0.07	0.00	1.12	0.00	39.6	0.0	0.	0.00
333	17.750	31.96	0.0	0.0	0.0	5.06	3.38	0.00	3.38	0.00	1.05	0.07	0.00	1.12	0.00	39.4	0.0	0.	0.00
334	17.500	31.96	0.0	0.0	0.0	5.05	3.37	0.00	3.37	0.00	1.05	0.07	0.00	1.12	0.00	39.2	0.0	0.	0.00
335	17.250	31.96	0.0	0.0	0.0	5.04	3.36	0.00	3.36	0.00	1.05	0.07	0.00	1.11	0.00	39.0	0.0	0.	0.00
336	17.000	31.96	0.0	0.0	0.0	5.03	3.36	0.00	3.36	0.00	1.04	0.07	0.00	1.11	0.00	38.7	0.0	0.	0.00
337	16.750	31.96	0.0	0.0	0.0	5.02	3.35	0.00	3.35	0.00	1.04	0.07	0.00	1.11	0.00	38.5	0.0	0.	0.00
338	16.500	31.95	0.0	0.0	0.0	5.00	3.35	0.00	3.35	0.00	1.04	0.07	0.00	1.11	0.00	38.3	0.0	0.	0.00
339	16.250	31.95	0.0	0.0	0.0	4.99	3.43	0.00	3.43	0.00	1.04	0.07	0.00	1.10	0.00	38.1	0.0	0.	0.00
340	16.000	31.95	0.0	0.0	0.0	4.97	3.42	0.00	3.42	0.00	1.03	0.07	0.00	1.10	0.00	37.9	0.0	0.	0.00
341	15.750	31.95	0.0	0.0	0.0	4.96	3.41	0.00	3.41	0.00	1.03	0.07	0.00	1.10	0.00	37.7	0.0	0.	0.00
342	15.500	31.95	0.0	0.0	0.0	4.94	3.40	0.00	3.40	0.00	1.03	0.07	0.00	1.10	0.00	37.4	0.0	0.	0.00
343	15.250	31.95	0.0	0.0	0.0	4.93	3.39	0.00	3.39	0.00	1.03	0.07	0.00	1.09	0.00	37.2	0.0	0.	0.00
344	15.000	31.95	0.0	0.0	0.0	4.92	3.38	0.00	3.38	0.00	1.03	0.07	0.00	1.09	0.00	37.0	0.0	0.	0.00
345	14.750	31.95	0.0	0.0	0.0	4.91	3.37	0.00	3.37	0.00	1.02	0.07	0.00	1.09	0.00	36.8	0.0	0.	0.00
346	14.500	31.95	0.0	0.0	0.0	4.90	3.37	0.00	3.37	0.00	1.02	0.07	0.00	1.09	0.00	36.6	0.0	0.	0.00
347	14.250	31.95	0.0	0.0	0.0	4.89	3.36	0.00	3.36	0.00	1.02	0.07	0.00	1.08	0.00	36.3	0.0	0.	0.00
348	14.000	31.95	0.0	0.0	0.0	4.88	3.36	0.00	3.36	0.00	1.02	0.07	0.00	1.08	0.00	36.1	0.0	0.	0.00
349	13.750	31.95	0.0	0.0	0.0	4.87	3.35	0.00	3.35	0.00	1.01	0.07	0.00	1.08	0.00	35.9	0.0	0.	0.00
350	13.500	31.94	0.0	0.0	0.0	4.86	3.35	0.00	3.35	0.00	1.01	0.07	0.00	1.08	0.00	35.7	0.0	0.	0.00
351	13.250	31.94	0.0	0.0	0.0	4.85	3.34	0.00	3.34	0.00	1.01	0.07	0.00	1.08	0.00	35.5	0.0	0.	0.00
352	13.000	31.94	0.0	0.0	0.0	4.33	5.50	0.00	5.50	0.00	1.03	0.84	0.00	1.86	0.00	35.3	0.0	0.	0.00
353	12.750	31.94	0.0	0.0	0.0	3.98	5.31	0.00	5.31	0.00	1.02	0.75	0.00	1.77	0.00	35.0	0.0	0.	0.00
354	12.500	31.94	0.0	0.0	0.0	3.74	5.13	0.00	5.13	0.00	1.02	0.67	0.00	1.69	0.00	34.8	0.0	0.	0.00
355	12.250	31.94	0.0	0.0	0.0	3.59	4.96	0.00	4.96	0.00	1.02	0.60	0.00	1.62	0.00	34.6	0.0	0.	0.00
356	12.000	31.94	0.0	0.0	0.0	3.51	4.81	0.00	4.81	0.00	1.02	0.55	0.00	1.56	0.00	34.4	0.0	0.	0.00
357	11.750	31.94	0.0	0.0	0.0	3.47	4.68	0.00	4.68	0.00	1.02	0.49	0.00	1.51	0.00	34.2	0.0	0.	0.00
358	11.500	31.94	0.0	0.0	0.0	3.47	4.56	0.00	4.56	0.00	1.01	0.45	0.00	1.46	0.00	34.0	0.0	0.	0.00

359	11.250	31.94	0.0	0.0	0.0	3.49	4.45	0.00	4.45	0.00	1.01	0.41	0.00	1.42	0.00	33.8	0.0	0.	0.00
360	11.000	31.94	0.0	0.0	0.0	3.52	4.35	0.00	4.35	0.00	1.01	0.37	0.00	1.38	0.00	33.5	0.0	0.	0.00
361	10.750	31.94	0.0	0.0	0.0	3.57	4.26	0.00	4.26	0.00	1.01	0.34	0.00	1.34	0.00	33.3	0.0	0.	0.00
362	10.500	31.93	0.0	0.0	0.0	3.62	4.17	0.00	4.17	0.00	1.01	0.31	0.00	1.31	0.00	33.1	0.0	0.	0.00
363	10.250	31.93	0.0	0.0	0.0	3.68	4.10	0.00	4.10	0.00	1.00	0.28	0.00	1.28	0.00	32.9	0.0	0.	0.00
364	10.000	31.93	0.0	0.0	0.0	3.73	4.03	0.00	4.03	0.00	1.00	0.26	0.00	1.26	0.00	32.7	0.0	0.	0.00
365	9.750	31.93	0.0	0.0	0.0	3.79	3.97	0.00	3.97	0.00	1.00	0.24	0.00	1.24	0.00	32.5	0.0	0.	0.00
366	9.500	31.93	0.0	0.0	0.0	3.84	3.91	0.00	3.91	0.00	1.00	0.22	0.00	1.22	0.00	32.2	0.0	0.	0.00
367	9.250	31.93	0.0	0.0	0.0	3.90	3.86	0.00	3.86	0.00	1.00	0.20	0.00	1.20	0.00	32.0	0.0	0.	0.00
368	9.000	31.93	0.0	0.0	0.0	3.94	3.81	0.00	3.81	0.00	1.00	0.19	0.00	1.18	0.00	31.8	0.0	0.	0.00
369	8.750	31.93	0.0	0.0	0.0	3.99	3.86	0.00	3.86	0.00	1.00	0.18	0.00	1.18	0.00	31.6	0.0	0.	0.00
370	8.500	31.93	0.0	0.0	0.0	4.02	3.81	0.00	3.81	0.00	0.99	0.17	0.00	1.16	0.00	31.4	0.0	0.	0.00
371	8.250	31.93	0.0	0.0	0.0	4.05	3.77	0.00	3.77	0.00	0.99	0.16	0.00	1.15	0.00	31.1	0.0	0.	0.00
372	8.000	31.93	0.0	0.0	0.0	4.08	3.74	0.00	3.74	0.00	0.99	0.15	0.00	1.14	0.00	30.9	0.0	0.	0.00
373	7.750	31.93	0.0	0.0	0.0	7.50	5.72	0.00	5.72	0.00	1.23	0.12	0.00	1.35	0.00	30.7	0.0	0.	0.00
374	7.500	31.92	0.0	0.0	0.0	7.17	5.64	0.00	5.64	0.00	1.23	0.11	0.00	1.35	0.00	30.5	0.0	0.	0.00
375	7.250	31.92	0.0	0.0	0.0	6.86	5.55	0.00	5.55	0.00	1.23	0.11	0.00	1.34	0.00	30.3	0.0	0.	0.00
376	7.000	31.92	0.0	0.0	0.0	6.59	5.47	0.00	5.47	0.00	1.23	0.11	0.00	1.34	0.00	30.1	0.0	0.	0.00
377	6.750	31.92	0.0	0.0	0.0	6.34	5.40	0.00	5.40	0.00	1.23	0.11	0.00	1.34	0.00	29.9	0.0	0.	0.00
378	6.500	31.92	0.0	0.0	0.0	6.12	5.33	0.00	5.33	0.00	1.23	0.11	0.00	1.33	0.00	29.6	0.0	0.	0.00
379	6.250	31.92	0.0	0.0	0.0	5.91	5.26	0.00	5.26	0.00	1.22	0.10	0.00	1.33	0.00	29.4	0.0	0.	0.00
380	6.000	31.92	0.0	0.0	0.0	5.72	5.19	0.00	5.19	0.00	1.22	0.10	0.00	1.33	0.00	29.2	0.0	0.	0.00
381	5.750	31.92	0.0	0.0	0.0	5.55	5.12	0.00	5.12	0.00	1.22	0.10	0.00	1.32	0.00	29.0	0.0	0.	0.00
382	5.500	31.92	0.0	0.0	0.0	5.40	5.06	0.00	5.06	0.00	1.22	0.10	0.00	1.32	0.00	28.8	0.0	0.	0.00
383	5.250	31.92	0.0	0.0	0.0	5.26	5.00	0.00	5.00	0.00	1.22	0.10	0.00	1.32	0.00	28.5	0.0	0.	0.00
384	5.000	31.92	0.0	0.0	0.0	5.13	4.94	0.00	4.94	0.00	1.22	0.10	0.00	1.31	0.00	28.3	0.0	0.	0.00
385	4.750	31.92	0.0	0.0	0.0	5.02	4.88	0.00	4.88	0.00	1.21	0.10	0.00	1.31	0.00	28.1	0.0	0.	0.00
386	4.500	31.91	0.0	0.0	0.0	4.91	4.83	0.00	4.83	0.00	1.21	0.10	0.00	1.31	0.00	27.9	0.0	0.	0.00
387	4.250	31.91	0.0	0.0	0.0	4.81	4.78	0.00	4.78	0.00	1.21	0.10	0.00	1.31	0.00	27.7	0.0	0.	0.00
388	4.000	31.91	0.0	0.0	0.0	4.73	4.73	0.00	4.73	0.00	1.21	0.09	0.00	1.30	0.00	27.5	0.0	0.	0.00
389	3.750	31.91	0.0	0.0	0.0	4.65	4.68	0.00	4.68	0.00	1.21	0.09	0.00	1.30	0.00	27.2	0.0	0.	0.00
390	3.500	31.91	0.0	0.0	0.0	4.58	4.63	0.00	4.63	0.00	1.21	0.09	0.00	1.30	0.00	27.0	0.0	0.	0.00
391	3.250	31.91	0.0	0.0	0.0	4.51	4.59	0.00	4.59	0.00	1.20	0.09	0.00	1.30	0.00	26.8	0.0	0.	0.00
392	3.000	31.91	0.0	0.0	0.0	4.45	4.54	0.00	4.54	0.00	1.20	0.09	0.00	1.29	0.00	26.6	0.0	0.	0.00
393	2.750	31.91	0.0	0.0	0.0	4.40	4.50	0.00	4.50	0.00	1.20	0.09	0.00	1.29	0.00	26.4	0.0	0.	0.00
394	2.500	31.91	0.0	0.0	0.0	4.35	4.46	0.00	4.46	0.00	1.20	0.09	0.00	1.29	0.00	26.2	0.0	0.	0.00
395	2.250	31.91	0.0	0.0	0.0	4.30	4.42	0.00	4.42	0.00	1.20	0.09	0.00	1.29	0.00	25.9	0.0	0.	0.00
396	2.000	31.91	0.0	0.0	0.0	4.26	4.38	0.00	4.38	0.00	1.20	0.09	0.00	1.29	0.00	25.7	0.0	0.	0.00
397	1.750	31.91	0.0	0.0	0.0	4.23	4.35	0.00	4.35	0.00	1.20	0.09	0.00	1.28	0.00	25.5	0.0	0.	0.00
398	1.500	31.90	0.0	0.0	0.0	4.19	4.31	0.00	4.31	0.00	1.19	0.09	0.00	1.28	0.00	25.3	0.0	0.	0.00
399	1.250	31.90	0.0	0.0	0.0	4.16	4.28	0.00	4.28	0.00	1.19	0.09	0.00	1.28	0.00	25.1	0.0	0.	0.00
400	1.000	31.90	0.0	0.0	0.0	4.13	4.25	0.00	4.25	0.00	1.19	0.09	0.00	1.28	0.00	24.9	0.0	0.	0.00
401	0.750	31.90	0.0	0.0	0.0	3.04	7.21	0.00	7.21	0.00	1.45	0.12	0.00	1.56	0.00	24.6	0.0	0.	0.00
402	0.500	31.90	0.0	0.0	0.0	3.03	7.17	0.00	7.17	0.00	1.45	0.12	0.00	1.56	0.00	24.4	0.0	0.	0.00
403	0.250	31.90	0.0	0.0	0.0	3.01	7.12	0.00	7.12	0.00	1.44	0.12	0.00	1.56	0.00	24.2	0.0	0.	0.00
404	0.000	31.90	0.0	0.0	0.0	3.00	7.06	0.00	7.06	0.00	1.44	0.12	0.00	1.56	0.00	24.0	0.0	0.	0.00

SPECIAL REPORT: ICWW

BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	ABOD#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 SETT	NCM

	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		
1	93.750	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
2	93.500	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
3	93.250	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
4	93.000	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
5	92.750	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
6	92.500	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
7	92.250	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
8	92.000	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
9	91.750	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
10	91.500	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
11	91.250	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
12	91.000	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
13	90.750	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
14	90.500	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
15	90.250	7.36	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
16	90.000	7.36	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
17	89.750	7.36	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
18	89.500	7.36	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
19	89.250	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
20	89.000	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
21	88.750	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
22	88.500	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
23	88.250	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
24	88.000	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
25	87.750	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
26	87.500	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
27	87.250	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
28	87.000	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
29	86.750	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
30	86.500	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
31	86.250	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
32	86.000	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
33	85.750	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
34	85.500	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
35	85.250	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
36	85.000	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
37	84.750	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
38	84.500	7.30	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
39	84.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
40	84.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
41	83.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
42	83.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
43	83.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
44	83.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
45	82.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
46	82.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
47	82.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
48	82.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
49	81.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00

50	81.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
51	81.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
52	81.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
53	80.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
54	80.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
55	80.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
56	80.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
57	79.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
58	79.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
59	79.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
60	79.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
61	78.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
62	78.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
63	78.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
64	78.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
65	77.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
66	77.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
67	77.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
68	77.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
69	76.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
70	76.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
71	76.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
72	76.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
73	75.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
74	75.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
75	75.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
76	75.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
77	74.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
78	74.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
79	74.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
80	74.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
81	73.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
82	73.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
83	73.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
84	73.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
85	72.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
86	72.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
87	72.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
88	72.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
89	71.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
90	71.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
91	71.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
92	71.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
93	70.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
94	70.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
95	70.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
96	70.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
97	69.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
98	69.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
99	69.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00

100	69.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
101	68.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
102	68.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
103	68.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
104	68.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
105	67.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
106	67.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
107	67.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
108	67.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
109	66.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
110	66.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
111	66.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
112	66.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
113	65.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
114	65.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
115	65.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
116	65.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
117	64.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
118	64.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
119	64.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
120	64.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
121	63.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
122	63.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
123	63.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
124	63.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
125	62.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
126	62.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
127	62.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
128	62.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
129	61.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
130	61.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
131	61.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
132	61.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
133	60.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
134	60.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
135	60.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
136	60.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
137	59.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
138	59.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
139	59.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
140	59.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
141	58.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
142	58.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
143	58.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
144	58.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
145	57.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
146	57.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
147	57.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
148	57.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
149	56.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00

150	56.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
151	56.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
152	56.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
153	55.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
154	55.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
155	55.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
156	55.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
157	54.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
158	54.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
159	54.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
160	54.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
161	53.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
162	53.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
163	53.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
164	53.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
165	52.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
166	52.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
167	52.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
168	52.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
169	51.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
170	51.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
171	51.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
172	51.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
173	50.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
174	50.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
175	50.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
176	50.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
177	49.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
178	49.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
179	49.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
180	49.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
181	48.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
182	48.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
183	48.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
184	48.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
185	47.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
186	47.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
187	47.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
188	47.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
189	46.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
190	46.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
191	46.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
192	46.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
193	45.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
194	45.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
195	45.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
196	45.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
197	44.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
198	44.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
199	44.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00

200	44.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
201	43.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
202	43.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
203	43.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
204	43.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
205	42.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
206	42.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
207	42.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
208	42.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
209	41.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
210	41.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
211	41.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
212	41.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
213	40.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
214	40.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
215	40.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
216	40.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
217	39.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
218	39.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
219	39.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
220	39.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
221	38.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
222	38.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
223	38.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
224	38.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.65	4.65	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
405	37.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
406	37.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
407	37.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
408	37.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
409	36.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
410	36.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
411	36.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
412	36.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
413	35.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
414	35.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
415	35.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
416	35.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
417	34.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
418	34.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
419	34.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
420	34.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
421	33.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
422	33.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
423	33.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
424	33.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
425	32.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
426	32.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
427	32.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
428	32.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
429	31.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00

430	31.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
431	31.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
432	31.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
433	30.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
434	30.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
435	30.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
436	30.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
437	29.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
438	29.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
439	29.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
440	29.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
441	28.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
442	28.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
443	28.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
444	28.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
445	27.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
446	27.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
447	27.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
448	27.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
449	26.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
450	26.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
451	26.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
452	26.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
453	25.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
454	25.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
455	25.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
456	25.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
457	24.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
458	24.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
459	24.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
460	24.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
461	23.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
462	23.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
463	23.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
464	23.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
465	22.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
466	22.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
467	22.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
468	22.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
469	21.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
470	21.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
471	21.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
472	21.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
473	20.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
474	20.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
475	20.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
476	20.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
477	19.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
478	19.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
479	19.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00

480	19.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
481	18.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
482	18.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
483	18.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
484	18.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
485	17.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
486	17.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
487	17.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
488	17.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
489	16.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
490	16.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
491	16.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
492	16.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
493	15.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
494	15.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
495	15.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
496	15.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
497	14.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
498	14.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
499	14.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
500	14.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
501	13.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
502	13.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
503	13.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
504	13.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
505	12.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
506	12.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
507	12.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
508	12.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
509	11.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
510	11.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
511	11.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
512	11.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
513	10.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
514	10.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
515	10.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
516	10.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
517	9.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
518	9.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
519	9.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
520	9.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
521	8.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
522	8.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
523	8.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
524	8.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
525	7.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
526	7.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
527	7.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
528	7.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
529	6.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00

530	6.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
531	6.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
532	6.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
533	5.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
534	5.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
535	5.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
536	5.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
537	4.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
538	4.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
539	4.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
540	4.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
541	3.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
542	3.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
543	3.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
544	3.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
545	2.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
546	2.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
547	2.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
548	2.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
549	1.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
550	1.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
551	1.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
552	1.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
553	0.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
554	0.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
555	0.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
556	0.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00

SPECIAL REPORT: Bayou Black

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 SOD 1/da	FULL SOD 1/da	CORR DECAY *	ORG-N SETT 1/da	ORG-N DECAY **	NH3 SRCE **	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
225	44.750	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
226	44.500	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
227	44.250	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
228	44.000	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
229	43.750	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
230	43.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
231	43.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
232	43.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
233	42.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
234	42.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
235	42.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
236	42.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
237	41.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
238	41.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
239	41.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
240	41.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
241	40.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
242	40.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00

243	40.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
244	40.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
245	39.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
246	39.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
247	39.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
248	39.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
249	38.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
250	38.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
251	38.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
252	38.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
253	37.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.44	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
254	37.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
255	37.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
256	37.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
257	36.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
258	36.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
259	36.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
260	36.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
261	35.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00
262	35.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
263	35.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
264	35.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
265	34.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
266	34.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00
267	34.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
268	34.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
269	33.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
270	33.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
271	33.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
272	33.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
273	32.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00
274	32.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
275	32.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
276	32.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
277	31.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
278	31.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00
279	31.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
280	31.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00
281	30.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
282	30.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
283	30.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
284	30.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
285	29.750	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00
286	29.500	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
287	29.250	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.00
288	29.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
289	28.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.21	0.00	0.00	0.00	0.00
290	28.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
291	28.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
292	28.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.18	0.00	0.00	0.00	0.00

293	27.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.17	0.00	0.00	0.00	0.00
294	27.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
295	27.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
296	27.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.14	0.00	0.00	0.00	0.00
297	26.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00
298	26.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
299	26.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
300	26.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00
301	25.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
302	25.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
303	25.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00
304	25.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00
305	24.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00
306	24.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00
307	24.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
308	24.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.02	0.00	0.00	0.00	0.00
309	23.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00
310	23.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
311	23.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00
312	23.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00
313	22.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
314	22.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.96	0.00	0.00	0.00	0.00
315	22.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00
316	22.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.94	0.00	0.00	0.00	0.00
317	21.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
318	21.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00
319	21.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00
320	21.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00
321	20.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00
322	20.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.88	0.00	0.00	0.00	0.00
323	20.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
324	20.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00
325	19.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
326	19.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
327	19.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.83	0.00	0.00	0.00	0.00
328	19.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00
329	18.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00
330	18.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
331	18.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00
332	18.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
333	17.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
334	17.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00
335	17.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00
336	17.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
337	16.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00
338	16.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00
339	16.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
340	16.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
341	15.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00
342	15.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00

343	15.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00
344	15.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.67	0.00	0.00	0.00	0.00
345	14.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00
346	14.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
347	14.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
348	14.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.00
349	13.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
350	13.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
351	13.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.60	0.00	0.00	0.00	0.00
352	13.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.40	0.00	0.00	0.00	1.59	0.00	0.00	0.00	0.00
353	12.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
354	12.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
355	12.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00
356	12.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
357	11.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.37	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00
358	11.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.37	0.00	0.00	0.00	1.53	0.00	0.00	0.00	0.00
359	11.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.52	0.00	0.00	0.00	0.00
360	11.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00
361	10.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
362	10.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00
363	10.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
364	10.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00
365	9.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00
366	9.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
367	9.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00
368	9.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
369	8.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
370	8.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
371	8.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
372	8.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
373	7.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.44	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
374	7.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.44	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
375	7.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.44	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
376	7.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
377	6.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
378	6.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
379	6.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
380	6.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
381	5.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
382	5.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
383	5.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
384	5.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
385	4.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
386	4.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
387	4.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
388	4.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
389	3.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
390	3.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
391	3.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
392	3.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00

393	2.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
394	2.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
395	2.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
396	2.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
397	1.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
398	1.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
399	1.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
400	1.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
401	0.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.36	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
402	0.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.36	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00
403	0.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.36	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
404	0.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.36	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00

FINAL REPORT ICWW LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 1 Gulf ICWW FTN Field Survey calibration

********** 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 µg/L	CHL A #/100mL	COLI	NCM
1	HDWTR	0.25500	31.20	0.00	0.00	0.00	6.70	3.70	0.00	3.70	0.00	1.30	0.10	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.02632	30.90	0.00	0.00	0.00	7.22	6.67	0.00			1.40	0.10	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	94.00	93.75	0.28132	0.0	0.00017	17.46	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
2	93.75	93.50	0.30763	0.0	0.00018	15.96	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
3	93.50	93.25	0.33395	0.0	0.00020	14.71	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
4	93.25	93.00	0.36026	0.0	0.00021	13.63	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
5	93.00	92.75	0.38658	0.0	0.00023	12.70	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
6	92.75	92.50	0.41289	0.0	0.00024	11.89	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
7	92.50	92.25	0.43921	0.0	0.00026	11.18	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
8	92.25	92.00	0.46553	0.0	0.00027	10.55	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
9	92.00	91.75	0.49184	0.0	0.00029	9.98	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
10	91.75	91.50	0.51816	0.0	0.00031	9.48	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
11	91.50	91.25	0.54447	0.0	0.00032	9.02	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
12	91.25	91.00	0.57079	0.0	0.00034	8.60	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
13	91.00	90.75	0.59711	0.0	0.00035	8.22	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
14	90.75	90.50	0.62342	0.0	0.00037	7.88	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
15	90.50	90.25	0.64974	0.0	0.00038	7.56	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
16	90.25	90.00	0.67605	0.0	0.00040	7.26	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
17	90.00	89.75	0.70237	0.0	0.00041	6.99	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
18	89.75	89.50	0.72868	0.0	0.00043	6.74	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
19	89.50	89.25	0.75500	0.0	0.00044	6.50	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
20	89.25	89.00	0.78132	0.0	0.00046	6.29	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
21	89.00	88.75	0.80763	0.0	0.00048	6.08	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
22	88.75	88.50	0.83395	0.0	0.00049	5.89	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
23	88.50	88.25	0.86026	0.0	0.00051	5.71	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
24	88.25	88.00	0.88658	0.0	0.00052	5.54	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
25	88.00	87.75	0.91289	0.0	0.00054	5.38	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
26	87.75	87.50	0.93921	0.0	0.00055	5.23	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
27	87.50	87.25	0.96553	0.0	0.00057	5.09	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001

28	87.25	87.00	0.99184	0.0	0.00058	4.95	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
29	87.00	86.75	1.01816	0.0	0.00060	4.82	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
30	86.75	86.50	1.04447	0.0	0.00062	4.70	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
31	86.50	86.25	1.07079	0.0	0.00063	4.59	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
32	86.25	86.00	1.09711	0.0	0.00065	4.48	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
33	86.00	85.75	1.12342	0.0	0.00066	4.37	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
34	85.75	85.50	1.14974	0.0	0.00068	4.27	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
35	85.50	85.25	1.17605	0.0	0.00069	4.18	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
36	85.25	85.00	1.20237	0.0	0.00071	4.08	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
37	85.00	84.75	1.22868	0.0	0.00072	4.00	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
38	84.75	84.50	1.25500	0.0	0.00074	3.91	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
TOT					289.87				16122990.00	1733655.00					
AVG				0.0004			9.30	182.49			1697.16				
CUM					289.87										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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	93.750	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
2	93.500	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
3	93.250	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
4	93.000	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
5	92.750	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
6	92.500	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
7	92.250	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
8	92.000	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
9	91.750	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
10	91.500	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
11	91.250	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
12	91.000	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
13	90.750	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
14	90.500	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
15	90.250	7.36	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
16	90.000	7.36	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
17	89.750	7.36	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
18	89.500	7.36	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
19	89.250	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
20	89.000	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
21	88.750	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
22	88.500	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
23	88.250	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
24	88.000	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
25	87.750	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
26	87.500	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
27	87.250	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
28	87.000	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
29	86.750	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
30	86.500	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
31	86.250	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
32	86.000	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	

33	85.750	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
34	85.500	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
35	85.250	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
36	85.000	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
37	84.750	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
38	84.500	7.30	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.08	0.15	0.00	0.00	0.00	0.00	0.00	1.00			0.02	0.00	0.13	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
1	93.750	31.22	0.00	0.00	0.00	6.59	2.41	0.00	2.41	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
2	93.500	31.24	0.00	0.00	0.00	6.59	2.38	0.00	2.38	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
3	93.250	31.26	0.00	0.00	0.00	6.60	2.35	0.00	2.35	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
4	93.000	31.28	0.00	0.00	0.00	6.62	2.34	0.00	2.34	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
5	92.750	31.31	0.00	0.00	0.00	6.63	2.33	0.00	2.33	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
6	92.500	31.33	0.00	0.00	0.00	6.64	2.32	0.00	2.32	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
7	92.250	31.35	0.00	0.00	0.00	6.65	2.31	0.00	2.31	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
8	92.000	31.37	0.00	0.00	0.00	6.66	2.31	0.00	2.31	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
9	91.750	31.39	0.00	0.00	0.00	6.67	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
10	91.500	31.41	0.00	0.00	0.00	6.68	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
11	91.250	31.43	0.00	0.00	0.00	6.68	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
12	91.000	31.45	0.00	0.00	0.00	6.69	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
13	90.750	31.47	0.00	0.00	0.00	6.69	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
14	90.500	31.49	0.00	0.00	0.00	6.70	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
15	90.250	31.52	0.00	0.00	0.00	6.70	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
16	90.000	31.54	0.00	0.00	0.00	6.70	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
17	89.750	31.56	0.00	0.00	0.00	6.71	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
18	89.500	31.58	0.00	0.00	0.00	6.71	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
19	89.250	31.60	0.00	0.00	0.00	6.71	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
20	89.000	31.62	0.00	0.00	0.00	6.71	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
21	88.750	31.64	0.00	0.00	0.00	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
22	88.500	31.66	0.00	0.00	0.00	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
23	88.250	31.68	0.00	0.00	0.00	6.70	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
24	88.000	31.71	0.00	0.00	0.00	6.70	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
25	87.750	31.73	0.00	0.00	0.00	6.69	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
26	87.500	31.75	0.00	0.00	0.00	6.67	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
27	87.250	31.77	0.00	0.00	0.00	6.65	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
28	87.000	31.79	0.00	0.00	0.00	6.62	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.44	0.00	20.00	0.00	0.	0.00
29	86.750	31.81	0.00	0.00	0.00	6.58	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.44	0.00	20.00	0.00	0.	0.00
30	86.500	31.83	0.00	0.00	0.00	6.52	2.28	0.00	2.28	0.00	1.33	0.12	0.00	1.45	0.00	20.00	0.00	0.	0.00
31	86.250	31.85	0.00	0.00	0.00	6.45	2.29	0.00	2.29	0.00	1.34	0.12	0.00	1.46	0.00	20.00	0.00	0.	0.00
32	86.000	31.87	0.00	0.00	0.00	6.34	2.31	0.00	2.31	0.00	1.35	0.12	0.00	1.47	0.00	20.00	0.00	0.	0.00
33	85.750	31.89	0.00	0.00	0.00	6.20	2.35	0.00	2.35	0.00	1.36	0.12	0.00	1.48	0.00	20.00	0.00	0.	0.00
34	85.500	31.92	0.00	0.00	0.00	6.01	2.42	0.00	2.42	0.00	1.38	0.12	0.00	1.50	0.00	20.00	0.00	0.	0.00
35	85.250	31.94	0.00	0.00	0.00	5.77	2.53	0.00	2.53	0.00	1.40	0.12	0.00	1.52	0.00	20.00	0.00	0.	0.00
36	85.000	31.96	0.00	0.00	0.00	5.47	2.73	0.00	2.73	0.00	1.43	0.12	0.00	1.55	0.00	20.00	0.00	0.	0.00
37	84.750	31.98	0.00	0.00	0.00	5.11	3.08	0.00	3.08	0.00	1.47	0.12	0.00	1.59	0.00	20.00	0.00	0.	0.00
38	84.500	32.00	0.00	0.00	0.00	4.72	3.67	0.00	3.67	0.00	1.52	0.12	0.00	1.63	0.00	20.00	0.00	0.	0.00

FINAL REPORT ICWW LA-QUAL calibration for Gulf ICWW and Bayou Black

REACH NO. 2 Gulf ICWW FTN Field Survey calibration

********** 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
39	UPR RCH	1.25500	32.00	0.00	0.00	0.00	4.72	3.67	0.00	3.67	0.00	1.52	0.12	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.01644	30.90	0.00	0.00	0.00	7.22	6.67	0.00			1.40	0.10	0.00	0.00	0.00	0.00	
39	WSTLD	47.90509	31.20	0.00	0.00	0.00	4.40	5.00	0.00	5.00	0.00	1.60	0.10	0.00	0.00	0.00	0.00	0.00
57	WSTLD	-36.47580	32.04	0.00	0.00	0.00	3.78	3.46	0.00	3.46	0.00	1.52	0.13	0.00	0.00	20.00	0.00	0.00
89	WSTLD	1.55720	31.20	0.00	0.00	0.00	6.60	6.20	0.00	6.20	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 m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
39	84.50	84.25	49.17653	97.4	0.01762	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
40	84.25	84.00	49.19297	97.4	0.01763	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
41	84.00	83.75	49.20942	97.3	0.01763	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
42	83.75	83.50	49.22586	97.3	0.01764	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
43	83.50	83.25	49.24230	97.3	0.01764	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
44	83.25	83.00	49.25874	97.3	0.01765	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
45	83.00	82.75	49.27518	97.2	0.01766	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
46	82.75	82.50	49.29162	97.2	0.01766	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
47	82.50	82.25	49.30806	97.2	0.01767	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
48	82.25	82.00	49.32450	97.1	0.01767	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
49	82.00	81.75	49.34095	97.1	0.01768	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
50	81.75	81.50	49.35739	97.1	0.01768	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
51	81.50	81.25	49.37383	97.0	0.01769	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
52	81.25	81.00	49.39027	97.0	0.01770	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
53	81.00	80.75	49.40671	97.0	0.01770	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
54	80.75	80.50	49.42315	96.9	0.01771	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
55	80.50	80.25	49.43959	96.9	0.01771	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
56	80.25	80.00	49.45604	96.9	0.01772	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018
57	80.00	79.75	12.99668	96.8	0.00466	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
58	79.75	79.50	13.01312	96.7	0.00466	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
59	79.50	79.25	13.02956	96.6	0.00467	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
60	79.25	79.00	13.04600	96.5	0.00467	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
61	79.00	78.75	13.06245	96.3	0.00468	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
62	78.75	78.50	13.07889	96.2	0.00469	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
63	78.50	78.25	13.09533	96.1	0.00469	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
64	78.25	78.00	13.11177	96.0	0.00470	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
65	78.00	77.75	13.12822	95.9	0.00470	0.62	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
66	77.75	77.50	13.14466	95.7	0.00471	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
67	77.50	77.25	13.16110	95.6	0.00472	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
68	77.25	77.00	13.17754	95.5	0.00472	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
69	77.00	76.75	13.19398	95.4	0.00473	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
70	76.75	76.50	13.21043	95.3	0.00473	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
71	76.50	76.25	13.22687	95.1	0.00474	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
72	76.25	76.00	13.24331	95.0	0.00475	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
73	76.00	75.75	13.25975	94.9	0.00475	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
74	75.75	75.50	13.27620	94.8	0.00476	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
75	75.50	75.25	13.29264	94.7	0.00476	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005

76	75.25	75.00	13.30908	94.6	0.00477	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
77	75.00	74.75	13.32552	94.4	0.00477	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
78	74.75	74.50	13.34197	94.3	0.00478	0.61	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
79	74.50	74.25	13.35841	94.2	0.00479	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
80	74.25	74.00	13.37485	94.1	0.00479	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
81	74.00	73.75	13.39129	94.0	0.00480	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
82	73.75	73.50	13.40773	93.9	0.00480	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
83	73.50	73.25	13.42418	93.7	0.00481	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
84	73.25	73.00	13.44062	93.6	0.00482	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
85	73.00	72.75	13.45706	93.5	0.00482	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
86	72.75	72.50	13.47350	93.4	0.00483	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
87	72.50	72.25	13.48995	93.3	0.00483	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
88	72.25	72.00	13.50639	93.2	0.00484	0.60	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
89	72.00	71.75	15.08003	93.8	0.00540	0.54	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
90	71.75	71.50	15.09647	93.7	0.00541	0.53	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.005
TOT				23.52				36282368.00	2717780.00						
AVG			0.0064				13.35	209.06			2790.95				
CUM				313.39											

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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			
39	84.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
40	84.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
41	83.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
42	83.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
43	83.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
44	83.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
45	82.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
46	82.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
47	82.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
48	82.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
49	81.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
50	81.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
51	81.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
52	81.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
53	80.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
54	80.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
55	80.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
56	80.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
57	79.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
58	79.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
59	79.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
60	79.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
61	78.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
62	78.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
63	78.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
64	78.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
65	77.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
66	77.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	

67	77.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
68	77.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
69	76.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
70	76.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
71	76.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
72	76.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
73	75.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
74	75.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
75	75.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
76	75.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
77	74.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
78	74.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
79	74.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
80	74.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
81	73.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
82	73.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
83	73.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
84	73.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
85	72.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
86	72.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
87	72.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
88	72.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
89	71.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
90	71.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.05	0.15	0.00	0.00	0.00	0.00	0.00	1.00			0.02	0.00	0.13	0.00	0.00	0.00			0.00	0.00	0.00

* $g/m^2/d$ ** 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^3	PHOS	CHL A	MACRO	COLI #/100mL	NCM
39	84.250	32.00	0.00	0.00	0.00	4.38	4.73	0.00	4.73	0.00	1.59	0.10	0.00	1.69	0.00	20.00	0.00	0.	0.00
40	84.000	32.00	0.00	0.00	0.00	4.31	4.63	0.00	4.63	0.00	1.58	0.11	0.00	1.69	0.00	20.00	0.00	0.	0.00
41	83.750	32.01	0.00	0.00	0.00	4.26	4.54	0.00	4.54	0.00	1.58	0.11	0.00	1.69	0.00	20.00	0.00	0.	0.00
42	83.500	32.01	0.00	0.00	0.00	4.20	4.45	0.00	4.45	0.00	1.57	0.11	0.00	1.68	0.00	20.00	0.00	0.	0.00
43	83.250	32.01	0.00	0.00	0.00	4.15	4.36	0.00	4.36	0.00	1.57	0.11	0.00	1.68	0.00	20.00	0.00	0.	0.00
44	83.000	32.01	0.00	0.00	0.00	4.11	4.28	0.00	4.28	0.00	1.57	0.11	0.00	1.68	0.00	20.00	0.00	0.	0.00
45	82.750	32.01	0.00	0.00	0.00	4.06	4.20	0.00	4.20	0.00	1.56	0.12	0.00	1.68	0.00	20.00	0.00	0.	0.00
46	82.500	32.02	0.00	0.00	0.00	4.03	4.13	0.00	4.13	0.00	1.56	0.12	0.00	1.68	0.00	20.00	0.00	0.	0.00
47	82.250	32.02	0.00	0.00	0.00	3.99	4.05	0.00	4.05	0.00	1.55	0.12	0.00	1.67	0.00	20.00	0.00	0.	0.00
48	82.000	32.02	0.00	0.00	0.00	3.96	3.98	0.00	3.98	0.00	1.55	0.12	0.00	1.67	0.00	20.00	0.00	0.	0.00
49	81.750	32.02	0.00	0.00	0.00	3.93	3.92	0.00	3.92	0.00	1.55	0.12	0.00	1.67	0.00	20.00	0.00	0.	0.00
50	81.500	32.02	0.00	0.00	0.00	3.90	3.85	0.00	3.85	0.00	1.54	0.12	0.00	1.67	0.00	20.00	0.00	0.	0.00
51	81.250	32.03	0.00	0.00	0.00	3.88	3.79	0.00	3.79	0.00	1.54	0.12	0.00	1.66	0.00	20.00	0.00	0.	0.00
52	81.000	32.03	0.00	0.00	0.00	3.85	3.73	0.00	3.73	0.00	1.54	0.12	0.00	1.66	0.00	20.00	0.00	0.	0.00
53	80.750	32.03	0.00	0.00	0.00	3.84	3.68	0.00	3.68	0.00	1.53	0.13	0.00	1.66	0.00	20.00	0.00	0.	0.00
54	80.500	32.03	0.00	0.00	0.00	3.82	3.62	0.00	3.62	0.00	1.53	0.13	0.00	1.66	0.00	20.00	0.00	0.	0.00
55	80.250	32.03	0.00	0.00	0.00	3.80	3.57	0.00	3.57	0.00	1.52	0.13	0.00	1.65	0.00	20.00	0.00	0.	0.00
56	80.000	32.03	0.00	0.00	0.00	3.79	3.52	0.00	3.52	0.00	1.52	0.13	0.00	1.65	0.00	20.00	0.00	0.	0.00
57	79.750	32.04	0.00	0.00	0.00	3.78	3.46	0.00	3.46	0.00	1.52	0.13	0.00	1.65	0.00	20.00	0.00	0.	0.00
58	79.500	32.04	0.00	0.00	0.00	3.77	3.32	0.00	3.32	0.00	1.50	0.13	0.00	1.64	0.00	20.00	0.00	0.	0.00
59	79.250	32.04	0.00	0.00	0.00	3.78	3.19	0.00	3.19	0.00	1.49	0.13	0.00	1.62	0.00	20.00	0.00	0.	0.00

60	79.000	32.04	0.00	0.00	0.00	3.80	3.08	0.00	3.08	0.00	1.48	0.14	0.00	1.61	0.00	20.00	0.00	0.	0.00
61	78.750	32.04	0.00	0.00	0.00	3.84	2.98	0.00	2.98	0.00	1.46	0.14	0.00	1.60	0.00	20.00	0.00	0.	0.00
62	78.500	32.05	0.00	0.00	0.00	3.88	2.90	0.00	2.90	0.00	1.45	0.14	0.00	1.59	0.00	20.00	0.00	0.	0.00
63	78.250	32.05	0.00	0.00	0.00	3.93	2.83	0.00	2.83	0.00	1.44	0.14	0.00	1.58	0.00	20.00	0.00	0.	0.00
64	78.000	32.05	0.00	0.00	0.00	3.99	2.76	0.00	2.76	0.00	1.43	0.14	0.00	1.57	0.00	20.00	0.00	0.	0.00
65	77.750	32.05	0.00	0.00	0.00	4.05	2.71	0.00	2.71	0.00	1.42	0.14	0.00	1.55	0.00	20.00	0.00	0.	0.00
66	77.500	32.05	0.00	0.00	0.00	4.12	2.66	0.00	2.66	0.00	1.40	0.14	0.00	1.54	0.00	20.00	0.00	0.	0.00
67	77.250	32.06	0.00	0.00	0.00	4.19	2.62	0.00	2.62	0.00	1.39	0.14	0.00	1.53	0.00	20.00	0.00	0.	0.00
68	77.000	32.06	0.00	0.00	0.00	4.27	2.59	0.00	2.59	0.00	1.38	0.14	0.00	1.52	0.00	20.00	0.00	0.	0.00
69	76.750	32.06	0.00	0.00	0.00	4.34	2.56	0.00	2.56	0.00	1.37	0.14	0.00	1.51	0.00	20.00	0.00	0.	0.00
70	76.500	32.06	0.00	0.00	0.00	4.42	2.53	0.00	2.53	0.00	1.36	0.14	0.00	1.50	0.00	20.00	0.00	0.	0.00
71	76.250	32.06	0.00	0.00	0.00	4.49	2.51	0.00	2.51	0.00	1.35	0.14	0.00	1.48	0.00	20.00	0.00	0.	0.00
72	76.000	32.07	0.00	0.00	0.00	4.57	2.49	0.00	2.49	0.00	1.34	0.13	0.00	1.47	0.00	20.00	0.00	0.	0.00
73	75.750	32.07	0.00	0.00	0.00	4.65	2.47	0.00	2.47	0.00	1.33	0.13	0.00	1.46	0.00	20.00	0.00	0.	0.00
74	75.500	32.07	0.00	0.00	0.00	4.72	2.45	0.00	2.45	0.00	1.32	0.13	0.00	1.45	0.00	20.00	0.00	0.	0.00
75	75.250	32.07	0.00	0.00	0.00	4.80	2.44	0.00	2.44	0.00	1.31	0.13	0.00	1.44	0.00	20.00	0.00	0.	0.00
76	75.000	32.07	0.00	0.00	0.00	4.87	2.43	0.00	2.43	0.00	1.30	0.13	0.00	1.43	0.00	20.00	0.00	0.	0.00
77	74.750	32.08	0.00	0.00	0.00	4.94	2.42	0.00	2.42	0.00	1.29	0.13	0.00	1.42	0.00	20.00	0.00	0.	0.00
78	74.500	32.08	0.00	0.00	0.00	5.02	2.41	0.00	2.41	0.00	1.28	0.13	0.00	1.41	0.00	20.00	0.00	0.	0.00
79	74.250	32.08	0.00	0.00	0.00	5.09	2.40	0.00	2.40	0.00	1.27	0.13	0.00	1.40	0.00	20.00	0.00	0.	0.00
80	74.000	32.08	0.00	0.00	0.00	5.16	2.40	0.00	2.40	0.00	1.26	0.13	0.00	1.39	0.00	20.00	0.00	0.	0.00
81	73.750	32.08	0.00	0.00	0.00	5.22	2.39	0.00	2.39	0.00	1.25	0.12	0.00	1.38	0.00	20.00	0.00	0.	0.00
82	73.500	32.08	0.00	0.00	0.00	5.29	2.39	0.00	2.39	0.00	1.24	0.12	0.00	1.37	0.00	20.00	0.00	0.	0.00
83	73.250	32.09	0.00	0.00	0.00	5.36	2.38	0.00	2.38	0.00	1.23	0.12	0.00	1.36	0.00	20.00	0.00	0.	0.00
84	73.000	32.09	0.00	0.00	0.00	5.42	2.38	0.00	2.38	0.00	1.23	0.12	0.00	1.35	0.00	20.00	0.00	0.	0.00
85	72.750	32.09	0.00	0.00	0.00	5.48	2.38	0.00	2.38	0.00	1.22	0.12	0.00	1.34	0.00	20.00	0.00	0.	0.00
86	72.500	32.09	0.00	0.00	0.00	5.54	2.38	0.00	2.38	0.00	1.21	0.12	0.00	1.33	0.00	20.00	0.00	0.	0.00
87	72.250	32.09	0.00	0.00	0.00	5.60	2.39	0.00	2.39	0.00	1.20	0.12	0.00	1.32	0.00	20.00	0.00	0.	0.00
88	72.000	32.10	0.00	0.00	0.00	5.65	2.45	0.00	2.45	0.00	1.20	0.12	0.00	1.31	0.00	20.00	0.00	0.	0.00
89	71.750	32.10	0.00	0.00	0.00	5.72	2.69	0.00	2.69	0.00	1.21	0.11	0.00	1.32	0.00	20.00	0.00	0.	0.00
90	71.500	32.10	0.00	0.00	0.00	5.70	2.64	0.00	2.64	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00

FINAL REPORT ICWW LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 3 Gulf ICWW FTN Field Survey calibration

********** 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
91	UPR RCH	15.09647	32.10	0.00	0.00	0.00	5.70	2.64	0.00	2.64	0.00	1.20	0.11	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.01645	30.90	0.00	0.00	0.00	7.22	6.67	0.00			1.40	0.10	0.00	0.00	0.00	0.00	
117	WSTLD	15.28886	31.20	0.00	0.00	0.00	6.60	6.20	0.00	6.20	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 m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	PRISM m/s	VELO m²/s	TIDAL VELO m/s	TIDAL	DISPRSN	MEAN
91	71.50	71.25	15.11292	93.6	0.00299	0.97	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003		
92	71.25	71.00	15.12937	93.5	0.00300	0.97	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003		
93	71.00	70.75	15.14581	93.4	0.00300	0.96	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003		
94	70.75	70.50	15.16226	93.3	0.00300	0.96	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003		
95	70.50	70.25	15.17871	93.2	0.00301	0.96	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003		
96	70.25	70.00	15.19516	93.1	0.00301	0.96	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003		
97	70.00	69.75	15.21160	93.0	0.00301	0.96	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003		

98	69.75	69.50	15.22805	92.9	0.00302	0.96	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
99	69.50	69.25	15.24450	92.8	0.00302	0.96	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
100	69.25	69.00	15.26094	92.7	0.00302	0.96	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
101	69.00	68.75	15.27739	92.6	0.00303	0.96	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
102	68.75	68.50	15.29384	92.5	0.00303	0.96	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
103	68.50	68.25	15.31028	92.4	0.00303	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
104	68.25	68.00	15.32673	92.3	0.00304	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
105	68.00	67.75	15.34318	92.2	0.00304	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
106	67.75	67.50	15.35963	92.1	0.00304	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
107	67.50	67.25	15.37607	92.0	0.00305	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
108	67.25	67.00	15.39252	91.9	0.00305	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
109	67.00	66.75	15.40897	91.8	0.00305	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
110	66.75	66.50	15.42541	91.7	0.00306	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
111	66.50	66.25	15.44186	91.6	0.00306	0.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
112	66.25	66.00	15.45831	91.5	0.00306	0.94	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
113	66.00	65.75	15.47476	91.4	0.00307	0.94	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
114	65.75	65.50	15.49120	91.3	0.00307	0.94	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
115	65.50	65.25	15.50765	91.2	0.00307	0.94	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
116	65.25	65.00	15.52410	91.1	0.00308	0.94	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.003
117	65.00	64.75	30.82940	95.5	0.00611	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
118	64.75	64.50	30.84585	95.4	0.00611	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
119	64.50	64.25	30.86230	95.4	0.00611	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
120	64.25	64.00	30.87874	95.3	0.00612	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
121	64.00	63.75	30.89519	95.3	0.00612	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
122	63.75	63.50	30.91164	95.2	0.00612	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
123	63.50	63.25	30.92809	95.2	0.00613	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
124	63.25	63.00	30.94453	95.1	0.00613	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
125	63.00	62.75	30.96098	95.1	0.00613	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
126	62.75	62.50	30.97743	95.0	0.00614	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
127	62.50	62.25	30.99387	95.0	0.00614	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
128	62.25	62.00	31.01032	94.9	0.00614	0.47	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.006
TOT					30.46			47955836.00 3755350.00						
AVG				0.0036			12.77	395.30		5047.98				
CUM					343.85									

********** 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	NCM
91	71.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
92	71.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
93	70.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
94	70.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
95	70.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
96	70.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
97	69.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
98	69.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
99	69.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
100	69.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
101	68.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
102	68.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00

103	68.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
104	68.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
105	67.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
106	67.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
107	67.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
108	67.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
109	66.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
110	66.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
111	66.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
112	66.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
113	65.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
114	65.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
115	65.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
116	65.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
117	64.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
118	64.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
119	64.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
120	64.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
121	63.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
122	63.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
123	63.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
124	63.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
125	62.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
126	62.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
127	62.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
128	62.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.05	0.15	0.00	0.00	0.00	0.00	0.00	2.00			0.02	0.00	0.13	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
91	71.250	32.11	0.00	0.00	0.00	5.58	2.60	0.00	2.60	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
92	71.000	32.11	0.00	0.00	0.00	5.48	2.56	0.00	2.56	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
93	70.750	32.12	0.00	0.00	0.00	5.40	2.53	0.00	2.53	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
94	70.500	32.12	0.00	0.00	0.00	5.32	2.51	0.00	2.51	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
95	70.250	32.13	0.00	0.00	0.00	5.26	2.49	0.00	2.49	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
96	70.000	32.13	0.00	0.00	0.00	5.20	2.47	0.00	2.47	0.00	1.17	0.11	0.00	1.28	0.00	20.00	0.00	0.	0.00
97	69.750	32.14	0.00	0.00	0.00	5.15	2.46	0.00	2.46	0.00	1.17	0.11	0.00	1.28	0.00	20.00	0.00	0.	0.00
98	69.500	32.14	0.00	0.00	0.00	5.11	2.45	0.00	2.45	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
99	69.250	32.15	0.00	0.00	0.00	5.07	2.44	0.00	2.44	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
100	69.000	32.15	0.00	0.00	0.00	5.03	2.44	0.00	2.44	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
101	68.750	32.16	0.00	0.00	0.00	5.00	2.43	0.00	2.43	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
102	68.500	32.16	0.00	0.00	0.00	4.97	2.42	0.00	2.42	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
103	68.250	32.17	0.00	0.00	0.00	4.95	2.42	0.00	2.42	0.00	1.15	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
104	68.000	32.17	0.00	0.00	0.00	4.93	2.42	0.00	2.42	0.00	1.14	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
105	67.750	32.18	0.00	0.00	0.00	4.91	2.41	0.00	2.41	0.00	1.14	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
106	67.500	32.18	0.00	0.00	0.00	4.89	2.41	0.00	2.41	0.00	1.13	0.11	0.00	1.24	0.00	20.00	0.00	0.	0.00
107	67.250	32.19	0.00	0.00	0.00	4.87	2.41	0.00	2.41	0.00	1.13	0.11	0.00	1.24	0.00	20.00	0.00	0.	0.00
108	67.000	32.19	0.00	0.00	0.00	4.86	2.41	0.00	2.41	0.00	1.13	0.11	0.00	1.24	0.00	20.00	0.00	0.	0.00
109	66.750	32.20	0.00	0.00	0.00	4.84	2.41	0.00	2.41	0.00	1.13	0.11	0.00	1.23	0.00	20.00	0.00	0.	0.00

110	66.500	32.21	0.00	0.00	0.00	4.83	2.40	0.00	2.40	0.00	1.12	0.11	0.00	1.23	0.00	20.00	0.00	0.	0.00
111	66.250	32.21	0.00	0.00	0.00	4.82	2.40	0.00	2.40	0.00	1.12	0.11	0.00	1.23	0.00	20.00	0.00	0.	0.00
112	66.000	32.22	0.00	0.00	0.00	4.81	2.40	0.00	2.40	0.00	1.12	0.11	0.00	1.22	0.00	20.00	0.00	0.	0.00
113	65.750	32.22	0.00	0.00	0.00	4.80	2.41	0.00	2.41	0.00	1.11	0.11	0.00	1.22	0.00	20.00	0.00	0.	0.00
114	65.500	32.23	0.00	0.00	0.00	4.79	2.42	0.00	2.42	0.00	1.11	0.11	0.00	1.22	0.00	20.00	0.00	0.	0.00
115	65.250	32.23	0.00	0.00	0.00	4.79	2.48	0.00	2.48	0.00	1.12	0.11	0.00	1.23	0.00	20.00	0.00	0.	0.00
116	65.000	32.24	0.00	0.00	0.00	4.86	2.76	0.00	2.76	0.00	1.15	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
117	64.750	32.24	0.00	0.00	0.00	5.36	3.99	0.00	3.99	0.00	1.25	0.10	0.00	1.35	0.00	20.00	0.00	0.	0.00
118	64.500	32.25	0.00	0.00	0.00	5.17	3.82	0.00	3.82	0.00	1.24	0.11	0.00	1.35	0.00	20.00	0.00	0.	0.00
119	64.250	32.25	0.00	0.00	0.00	5.01	3.66	0.00	3.66	0.00	1.24	0.11	0.00	1.35	0.00	20.00	0.00	0.	0.00
120	64.000	32.26	0.00	0.00	0.00	4.86	3.52	0.00	3.52	0.00	1.24	0.11	0.00	1.35	0.00	20.00	0.00	0.	0.00
121	63.750	32.26	0.00	0.00	0.00	4.74	3.40	0.00	3.40	0.00	1.24	0.11	0.00	1.34	0.00	20.00	0.00	0.	0.00
122	63.500	32.27	0.00	0.00	0.00	4.63	3.29	0.00	3.29	0.00	1.23	0.11	0.00	1.34	0.00	20.00	0.00	0.	0.00
123	63.250	32.27	0.00	0.00	0.00	4.53	3.19	0.00	3.19	0.00	1.23	0.11	0.00	1.34	0.00	20.00	0.00	0.	0.00
124	63.000	32.28	0.00	0.00	0.00	4.45	3.10	0.00	3.10	0.00	1.23	0.11	0.00	1.34	0.00	20.00	0.00	0.	0.00
125	62.750	32.28	0.00	0.00	0.00	4.38	3.03	0.00	3.03	0.00	1.22	0.11	0.00	1.34	0.00	20.00	0.00	0.	0.00
126	62.500	32.29	0.00	0.00	0.00	4.32	2.96	0.00	2.96	0.00	1.22	0.11	0.00	1.33	0.00	20.00	0.00	0.	0.00
127	62.250	32.29	0.00	0.00	0.00	4.27	2.90	0.00	2.90	0.00	1.22	0.11	0.00	1.33	0.00	20.00	0.00	0.	0.00
128	62.000	32.30	0.00	0.00	0.00	4.23	2.85	0.00	2.85	0.00	1.22	0.11	0.00	1.33	0.00	20.00	0.00	0.	0.00

FINAL REPORT ICWW LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 4 Gulf ICWW FTN Field Survey calibration

********** 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
129	UPR RCH	31.01032	32.30	0.00	0.00	0.00	4.23	2.85	0.00	2.85	0.00	1.22	0.11	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.01644	30.90	0.00	0.00	0.00	7.22	6.67	0.00		1.40	0.10	0.00	0.00	0.00	0.00		
181	WSTLD	4.47341	31.20	0.00	0.00	0.00	10.40	7.20	0.00	7.20	0.00	1.40	0.10	0.00	0.00	0.00	0.00	0.00
181	WSTLD	-0.52378	32.08	0.00	0.00	0.00	5.17	2.90	0.00	2.90	0.00	1.19	0.11	0.00	0.00	22.21	0.00	0.00
221	WSTLD	-23.81100	31.91	0.00	0.00	0.00	5.30	2.41	0.00	2.41	0.00	1.16	0.11	0.00	0.00	23.88	0.00	0.00
223	WSTLD	0.00003	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.40	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 m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	PRISM m/s	VELO m²/s	TIDAL VELO m/s	TIDAL	DISPRSN	MEAN
129	62.00	61.75	31.02676	94.9	0.01340	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
130	61.75	61.50	31.04320	94.8	0.01340	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
131	61.50	61.25	31.05963	94.8	0.01341	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
132	61.25	61.00	31.07607	94.7	0.01342	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
133	61.00	60.75	31.09251	94.7	0.01342	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
134	60.75	60.50	31.10895	94.6	0.01343	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
135	60.50	60.25	31.12538	94.6	0.01344	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
136	60.25	60.00	31.14182	94.5	0.01345	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
137	60.00	59.75	31.15826	94.5	0.01345	0.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
138	59.75	59.50	31.17470	94.4	0.01346	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
139	59.50	59.25	31.19113	94.4	0.01347	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
140	59.25	59.00	31.20757	94.3	0.01347	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
141	59.00	58.75	31.22401	94.3	0.01348	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
142	58.75	58.50	31.24045	94.2	0.01349	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
143	58.50	58.25	31.25688	94.2	0.01350	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.013	
144	58.25	58.00	31.27332	94.1	0.01350	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000		0.300	0.014	

145	58.00	57.75	31.28976	94.1	0.01351	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
146	57.75	57.50	31.30620	94.0	0.01352	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
147	57.50	57.25	31.32263	94.0	0.01352	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
148	57.25	57.00	31.33907	93.9	0.01353	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
149	57.00	56.75	31.35551	93.9	0.01354	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
150	56.75	56.50	31.37195	93.8	0.01355	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
151	56.50	56.25	31.38838	93.8	0.01355	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
152	56.25	56.00	31.40482	93.7	0.01356	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
153	56.00	55.75	31.42126	93.7	0.01357	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
154	55.75	55.50	31.43770	93.6	0.01357	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
155	55.50	55.25	31.45413	93.6	0.01358	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
156	55.25	55.00	31.47057	93.5	0.01359	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
157	55.00	54.75	31.48701	93.5	0.01359	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
158	54.75	54.50	31.50345	93.4	0.01360	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
159	54.50	54.25	31.51988	93.4	0.01361	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
160	54.25	54.00	31.53632	93.3	0.01362	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
161	54.00	53.75	31.55276	93.3	0.01362	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
162	53.75	53.50	31.56920	93.2	0.01363	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
163	53.50	53.25	31.58563	93.2	0.01364	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
164	53.25	53.00	31.60207	93.1	0.01364	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
165	53.00	52.75	31.61851	93.1	0.01365	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
166	52.75	52.50	31.63495	93.0	0.01366	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
167	52.50	52.25	31.65138	93.0	0.01367	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
168	52.25	52.00	31.66782	92.9	0.01367	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
169	52.00	51.75	31.68426	92.9	0.01368	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
170	51.75	51.50	31.70070	92.8	0.01369	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
171	51.50	51.25	31.71713	92.8	0.01369	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
172	51.25	51.00	31.73357	92.7	0.01370	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
173	51.00	50.75	31.75001	92.7	0.01371	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
174	50.75	50.50	31.76645	92.6	0.01372	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
175	50.50	50.25	31.78288	92.6	0.01372	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
176	50.25	50.00	31.79932	92.6	0.01373	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
177	50.00	49.75	31.81576	92.5	0.01374	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
178	49.75	49.50	31.83220	92.5	0.01374	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
179	49.50	49.25	31.84863	92.4	0.01375	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
180	49.25	49.00	31.86507	92.4	0.01376	0.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.014
181	49.00	48.75	35.83114	93.3	0.01547	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.015
182	48.75	48.50	35.84758	93.2	0.01548	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.015
183	48.50	48.25	35.86401	93.2	0.01548	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.015
184	48.25	48.00	35.88045	93.1	0.01549	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.015
185	48.00	47.75	35.89689	93.1	0.01550	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.015
186	47.75	47.50	35.91333	93.0	0.01551	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
187	47.50	47.25	35.92976	93.0	0.01551	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
188	47.25	47.00	35.94620	93.0	0.01552	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
189	47.00	46.75	35.96264	92.9	0.01553	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
190	46.75	46.50	35.97908	92.9	0.01553	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
191	46.50	46.25	35.99551	92.8	0.01554	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
192	46.25	46.00	36.01195	92.8	0.01555	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
193	46.00	45.75	36.02839	92.7	0.01556	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
194	45.75	45.50	36.04483	92.7	0.01556	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016

195	45.50	45.25	36.06126	92.7	0.01557	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
196	45.25	45.00	36.07770	92.6	0.01558	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
197	45.00	44.75	36.09414	92.6	0.01558	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
198	44.75	44.50	36.11058	92.5	0.01559	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
199	44.50	44.25	36.12701	92.5	0.01560	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
200	44.25	44.00	36.14345	92.5	0.01561	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
201	44.00	43.75	36.15989	92.4	0.01561	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
202	43.75	43.50	36.17633	92.4	0.01562	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
203	43.50	43.25	36.19276	92.3	0.01563	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
204	43.25	43.00	36.20920	92.3	0.01563	0.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
205	43.00	42.75	36.22564	92.2	0.01564	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
206	42.75	42.50	36.24208	92.2	0.01565	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
207	42.50	42.25	36.25851	92.2	0.01565	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
208	42.25	42.00	36.27495	92.1	0.01566	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
209	42.00	41.75	36.29139	92.1	0.01567	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
210	41.75	41.50	36.30783	92.0	0.01568	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
211	41.50	41.25	36.32426	92.0	0.01568	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
212	41.25	41.00	36.34070	92.0	0.01569	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
213	41.00	40.75	36.35714	91.9	0.01570	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
214	40.75	40.50	36.37358	91.9	0.01570	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
215	40.50	40.25	36.39001	91.8	0.01571	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
216	40.25	40.00	36.40645	91.8	0.01572	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
217	40.00	39.75	36.42289	91.7	0.01573	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
218	39.75	39.50	36.43933	91.7	0.01573	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
219	39.50	39.25	36.45576	91.7	0.01574	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
220	39.25	39.00	36.47220	91.6	0.01575	0.18	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.016
221	39.00	38.75	12.67764	91.6	0.00547	0.53	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.005
222	38.75	38.50	12.69408	91.5	0.00548	0.53	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.005
223	38.50	38.25	12.71054	91.3	0.00549	0.53	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.005
224	38.25	38.00	12.72698	91.2	0.00550	0.53	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.005
TOT					20.61	55586332.00			4560000.00						
AVG					0.0135		12.19	190.00			2316.10				
CUM					364.46										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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		
129	61.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	
130	61.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	
131	61.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	
132	61.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	
133	60.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	
134	60.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	
135	60.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	
136	60.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	
137	59.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	
138	59.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	
139	59.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	
140	59.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	
141	58.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	

142	58.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
143	58.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
144	58.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
145	57.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
146	57.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
147	57.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
148	57.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
149	56.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
150	56.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
151	56.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
152	56.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
153	55.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
154	55.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
155	55.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
156	55.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
157	54.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
158	54.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
159	54.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
160	54.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
161	53.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
162	53.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
163	53.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
164	53.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
165	52.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
166	52.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
167	52.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
168	52.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
169	51.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
170	51.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
171	51.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
172	51.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
173	50.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
174	50.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.26	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
175	50.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
176	50.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
177	49.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
178	49.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
179	49.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
180	49.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
181	48.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
182	48.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
183	48.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
184	48.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
185	47.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
186	47.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
187	47.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
188	47.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
189	46.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
190	46.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
191	46.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00

192	46.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
193	45.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
194	45.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
195	45.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
196	45.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
197	44.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
198	44.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
199	44.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
200	44.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
201	43.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
202	43.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
203	43.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
204	43.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
205	42.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
206	42.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
207	42.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
208	42.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
209	41.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
210	41.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
211	41.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
212	41.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
213	40.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
214	40.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
215	40.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
216	40.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
217	39.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
218	39.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
219	39.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
220	39.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
221	38.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
222	38.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
223	38.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
224	38.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.65	4.65	4.65	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.06 0.15 0.00 0.00 0.00 0.00 0.00 2.20 0.02 0.00 0.13 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/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/m³	PHOS	CHL A #/100mL	MACRO	COLI	NCM
129	61.750	32.30	0.00	0.00	0.00	4.21	2.82	0.00	2.82	0.00	1.22	0.11	0.00	1.33	0.00	20.04	0.00	0.	0.00
130	61.500	32.29	0.00	0.00	0.00	4.19	2.79	0.00	2.79	0.00	1.21	0.11	0.00	1.33	0.00	20.08	0.00	0.	0.00
131	61.250	32.29	0.00	0.00	0.00	4.17	2.76	0.00	2.76	0.00	1.21	0.11	0.00	1.33	0.00	20.12	0.00	0.	0.00
132	61.000	32.28	0.00	0.00	0.00	4.15	2.74	0.00	2.74	0.00	1.21	0.11	0.00	1.33	0.00	20.17	0.00	0.	0.00
133	60.750	32.28	0.00	0.00	0.00	4.13	2.71	0.00	2.71	0.00	1.21	0.12	0.00	1.33	0.00	20.21	0.00	0.	0.00
134	60.500	32.27	0.00	0.00	0.00	4.11	2.69	0.00	2.69	0.00	1.21	0.12	0.00	1.32	0.00	20.25	0.00	0.	0.00
135	60.250	32.27	0.00	0.00	0.00	4.10	2.67	0.00	2.67	0.00	1.21	0.12	0.00	1.32	0.00	20.29	0.00	0.	0.00
136	60.000	32.27	0.00	0.00	0.00	4.09	2.65	0.00	2.65	0.00	1.21	0.12	0.00	1.32	0.00	20.33	0.00	0.	0.00
137	59.750	32.26	0.00	0.00	0.00	4.08	2.63	0.00	2.63	0.00	1.21	0.12	0.00	1.32	0.00	20.38	0.00	0.	0.00
138	59.500	32.26	0.00	0.00	0.00	4.07	2.61	0.00	2.61	0.00	1.20	0.12	0.00	1.32	0.00	20.42	0.00	0.	0.00
139	59.250	32.25	0.00	0.00	0.00	4.07	2.59	0.00	2.59	0.00	1.20	0.12	0.00	1.32	0.00	20.46	0.00	0.	0.00

140	59.000	32.25	0.00	0.00	0.00	4.06	2.58	0.00	2.58	0.00	1.20	0.12	0.00	1.32	0.00	20.50	0.00	0.	0.00
141	58.750	32.25	0.00	0.00	0.00	4.06	2.56	0.00	2.56	0.00	1.20	0.12	0.00	1.32	0.00	20.54	0.00	0.	0.00
142	58.500	32.24	0.00	0.00	0.00	4.05	2.55	0.00	2.55	0.00	1.20	0.12	0.00	1.32	0.00	20.58	0.00	0.	0.00
143	58.250	32.24	0.00	0.00	0.00	4.05	2.53	0.00	2.53	0.00	1.20	0.12	0.00	1.32	0.00	20.62	0.00	0.	0.00
144	58.000	32.23	0.00	0.00	0.00	4.05	2.52	0.00	2.52	0.00	1.20	0.12	0.00	1.32	0.00	20.67	0.00	0.	0.00
145	57.750	32.23	0.00	0.00	0.00	4.05	2.51	0.00	2.51	0.00	1.20	0.12	0.00	1.31	0.00	20.71	0.00	0.	0.00
146	57.500	32.22	0.00	0.00	0.00	4.05	2.50	0.00	2.50	0.00	1.20	0.12	0.00	1.31	0.00	20.75	0.00	0.	0.00
147	57.250	32.22	0.00	0.00	0.00	4.06	2.49	0.00	2.49	0.00	1.20	0.12	0.00	1.31	0.00	20.79	0.00	0.	0.00
148	57.000	32.22	0.00	0.00	0.00	4.06	2.48	0.00	2.48	0.00	1.19	0.12	0.00	1.31	0.00	20.83	0.00	0.	0.00
149	56.750	32.21	0.00	0.00	0.00	4.06	2.47	0.00	2.47	0.00	1.19	0.12	0.00	1.31	0.00	20.88	0.00	0.	0.00
150	56.500	32.21	0.00	0.00	0.00	4.07	2.46	0.00	2.46	0.00	1.19	0.12	0.00	1.31	0.00	20.92	0.00	0.	0.00
151	56.250	32.20	0.00	0.00	0.00	4.08	2.45	0.00	2.45	0.00	1.19	0.12	0.00	1.31	0.00	20.96	0.00	0.	0.00
152	56.000	32.20	0.00	0.00	0.00	4.08	2.44	0.00	2.44	0.00	1.19	0.12	0.00	1.31	0.00	21.00	0.00	0.	0.00
153	55.750	32.20	0.00	0.00	0.00	4.09	2.44	0.00	2.44	0.00	1.19	0.12	0.00	1.31	0.00	21.04	0.00	0.	0.00
154	55.500	32.19	0.00	0.00	0.00	4.10	2.43	0.00	2.43	0.00	1.19	0.12	0.00	1.31	0.00	21.08	0.00	0.	0.00
155	55.250	32.19	0.00	0.00	0.00	4.11	2.42	0.00	2.42	0.00	1.19	0.12	0.00	1.30	0.00	21.12	0.00	0.	0.00
156	55.000	32.18	0.00	0.00	0.00	4.12	2.42	0.00	2.42	0.00	1.19	0.12	0.00	1.30	0.00	21.17	0.00	0.	0.00
157	54.750	32.18	0.00	0.00	0.00	4.13	2.41	0.00	2.41	0.00	1.19	0.12	0.00	1.30	0.00	21.21	0.00	0.	0.00
158	54.500	32.17	0.00	0.00	0.00	4.14	2.40	0.00	2.40	0.00	1.18	0.12	0.00	1.30	0.00	21.25	0.00	0.	0.00
159	54.250	32.17	0.00	0.00	0.00	4.15	2.40	0.00	2.40	0.00	1.18	0.12	0.00	1.30	0.00	21.29	0.00	0.	0.00
160	54.000	32.17	0.00	0.00	0.00	4.16	2.39	0.00	2.39	0.00	1.18	0.12	0.00	1.30	0.00	21.33	0.00	0.	0.00
161	53.750	32.16	0.00	0.00	0.00	4.17	2.39	0.00	2.39	0.00	1.18	0.12	0.00	1.30	0.00	21.38	0.00	0.	0.00
162	53.500	32.16	0.00	0.00	0.00	4.18	2.38	0.00	2.38	0.00	1.18	0.12	0.00	1.30	0.00	21.42	0.00	0.	0.00
163	53.250	32.15	0.00	0.00	0.00	4.20	2.38	0.00	2.38	0.00	1.18	0.12	0.00	1.30	0.00	21.46	0.00	0.	0.00
164	53.000	32.15	0.00	0.00	0.00	4.21	2.38	0.00	2.38	0.00	1.18	0.12	0.00	1.30	0.00	21.50	0.00	0.	0.00
165	52.750	32.15	0.00	0.00	0.00	4.22	2.37	0.00	2.37	0.00	1.18	0.12	0.00	1.29	0.00	21.54	0.00	0.	0.00
166	52.500	32.14	0.00	0.00	0.00	4.24	2.37	0.00	2.37	0.00	1.18	0.12	0.00	1.29	0.00	21.58	0.00	0.	0.00
167	52.250	32.14	0.00	0.00	0.00	4.25	2.37	0.00	2.37	0.00	1.18	0.12	0.00	1.29	0.00	21.62	0.00	0.	0.00
168	52.000	32.13	0.00	0.00	0.00	4.27	2.36	0.00	2.36	0.00	1.18	0.12	0.00	1.29	0.00	21.67	0.00	0.	0.00
169	51.750	32.13	0.00	0.00	0.00	4.28	2.36	0.00	2.36	0.00	1.17	0.12	0.00	1.29	0.00	21.71	0.00	0.	0.00
170	51.500	32.12	0.00	0.00	0.00	4.30	2.36	0.00	2.36	0.00	1.17	0.12	0.00	1.29	0.00	21.75	0.00	0.	0.00
171	51.250	32.12	0.00	0.00	0.00	4.31	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.79	0.00	0.	0.00
172	51.000	32.12	0.00	0.00	0.00	4.33	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.83	0.00	0.	0.00
173	50.750	32.11	0.00	0.00	0.00	4.35	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.88	0.00	0.	0.00
174	50.500	32.11	0.00	0.00	0.00	4.36	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.92	0.00	0.	0.00
175	50.250	32.10	0.00	0.00	0.00	4.38	2.35	0.00	2.35	0.00	1.17	0.12	0.00	1.29	0.00	21.96	0.00	0.	0.00
176	50.000	32.10	0.00	0.00	0.00	4.40	2.34	0.00	2.34	0.00	1.17	0.12	0.00	1.28	0.00	22.00	0.00	0.	0.00
177	49.750	32.10	0.00	0.00	0.00	4.42	2.34	0.00	2.34	0.00	1.17	0.12	0.00	1.28	0.00	22.04	0.00	0.	0.00
178	49.500	32.09	0.00	0.00	0.00	4.43	2.34	0.00	2.34	0.00	1.17	0.12	0.00	1.28	0.00	22.08	0.00	0.	0.00
179	49.250	32.09	0.00	0.00	0.00	4.45	2.34	0.00	2.34	0.00	1.17	0.12	0.00	1.28	0.00	22.12	0.00	0.	0.00
180	49.000	32.08	0.00	0.00	0.00	4.52	2.38	0.00	2.38	0.00	1.17	0.11	0.00	1.28	0.00	22.17	0.00	0.	0.00
181	48.750	32.08	0.00	0.00	0.00	5.17	2.90	0.00	2.90	0.00	1.19	0.11	0.00	1.31	0.00	22.21	0.00	0.	0.00
182	48.500	32.08	0.00	0.00	0.00	5.15	2.88	0.00	2.88	0.00	1.19	0.11	0.00	1.31	0.00	22.25	0.00	0.	0.00
183	48.250	32.07	0.00	0.00	0.00	5.14	2.85	0.00	2.85	0.00	1.19	0.11	0.00	1.30	0.00	22.29	0.00	0.	0.00
184	48.000	32.07	0.00	0.00	0.00	5.12	2.82	0.00	2.82	0.00	1.19	0.11	0.00	1.30	0.00	22.33	0.00	0.	0.00
185	47.750	32.06	0.00	0.00	0.00	5.11	2.80	0.00	2.80	0.00	1.19	0.11	0.00	1.30	0.00	22.38	0.00	0.	0.00
186	47.500	32.06	0.00	0.00	0.00	5.09	2.78	0.00	2.78	0.00	1.19	0.11	0.00	1.30	0.00	22.42	0.00	0.	0.00
187	47.250	32.05	0.00	0.00	0.00	5.08	2.76	0.00	2.76	0.00	1.19	0.11	0.00	1.30	0.00	22.46	0.00	0.	0.00
188	47.000	32.05	0.00	0.00	0.00	5.07	2.74	0.00	2.74	0.00	1.19	0.11	0.00	1.30	0.00	22.50	0.00	0.	0.00
189	46.750	32.05	0.00	0.00	0.00	5.07	2.72	0.00	2.72	0.00	1.19	0.11	0.00	1.30	0.00	22.54	0.00	0.	0.00

190	46.500	32.04	0.00	0.00	0.00	5.06	2.70	0.00	2.70	0.00	1.19	0.11	0.00	1.30	0.00	22.58	0.00	0.	0.00
191	46.250	32.04	0.00	0.00	0.00	5.06	2.68	0.00	2.68	0.00	1.19	0.11	0.00	1.30	0.00	22.62	0.00	0.	0.00
192	46.000	32.03	0.00	0.00	0.00	5.05	2.66	0.00	2.66	0.00	1.18	0.11	0.00	1.30	0.00	22.67	0.00	0.	0.00
193	45.750	32.03	0.00	0.00	0.00	5.05	2.65	0.00	2.65	0.00	1.18	0.11	0.00	1.30	0.00	22.71	0.00	0.	0.00
194	45.500	32.02	0.00	0.00	0.00	5.05	2.63	0.00	2.63	0.00	1.18	0.11	0.00	1.30	0.00	22.75	0.00	0.	0.00
195	45.250	32.02	0.00	0.00	0.00	5.05	2.62	0.00	2.62	0.00	1.18	0.11	0.00	1.29	0.00	22.79	0.00	0.	0.00
196	45.000	32.02	0.00	0.00	0.00	5.05	2.60	0.00	2.60	0.00	1.18	0.11	0.00	1.29	0.00	22.83	0.00	0.	0.00
197	44.750	32.01	0.00	0.00	0.00	5.05	2.59	0.00	2.59	0.00	1.18	0.11	0.00	1.29	0.00	22.88	0.00	0.	0.00
198	44.500	32.01	0.00	0.00	0.00	5.05	2.58	0.00	2.58	0.00	1.18	0.11	0.00	1.29	0.00	22.92	0.00	0.	0.00
199	44.250	32.00	0.00	0.00	0.00	5.06	2.57	0.00	2.57	0.00	1.18	0.11	0.00	1.29	0.00	22.96	0.00	0.	0.00
200	44.000	32.00	0.00	0.00	0.00	5.06	2.55	0.00	2.55	0.00	1.18	0.11	0.00	1.29	0.00	23.00	0.00	0.	0.00
201	43.750	32.00	0.00	0.00	0.00	5.07	2.54	0.00	2.54	0.00	1.18	0.11	0.00	1.29	0.00	23.04	0.00	0.	0.00
202	43.500	31.99	0.00	0.00	0.00	5.07	2.53	0.00	2.53	0.00	1.18	0.11	0.00	1.29	0.00	23.08	0.00	0.	0.00
203	43.250	31.99	0.00	0.00	0.00	5.08	2.52	0.00	2.52	0.00	1.18	0.11	0.00	1.29	0.00	23.12	0.00	0.	0.00
204	43.000	31.98	0.00	0.00	0.00	5.09	2.51	0.00	2.51	0.00	1.18	0.11	0.00	1.29	0.00	23.17	0.00	0.	0.00
205	42.750	31.98	0.00	0.00	0.00	5.10	2.51	0.00	2.51	0.00	1.17	0.11	0.00	1.29	0.00	23.21	0.00	0.	0.00
206	42.500	31.98	0.00	0.00	0.00	5.10	2.50	0.00	2.50	0.00	1.17	0.11	0.00	1.29	0.00	23.25	0.00	0.	0.00
207	42.250	31.97	0.00	0.00	0.00	5.11	2.49	0.00	2.49	0.00	1.17	0.11	0.00	1.28	0.00	23.29	0.00	0.	0.00
208	42.000	31.97	0.00	0.00	0.00	5.12	2.48	0.00	2.48	0.00	1.17	0.11	0.00	1.28	0.00	23.33	0.00	0.	0.00
209	41.750	31.96	0.00	0.00	0.00	5.13	2.47	0.00	2.47	0.00	1.17	0.11	0.00	1.28	0.00	23.38	0.00	0.	0.00
210	41.500	31.96	0.00	0.00	0.00	5.15	2.47	0.00	2.47	0.00	1.17	0.11	0.00	1.28	0.00	23.42	0.00	0.	0.00
211	41.250	31.95	0.00	0.00	0.00	5.16	2.46	0.00	2.46	0.00	1.17	0.11	0.00	1.28	0.00	23.46	0.00	0.	0.00
212	41.000	31.95	0.00	0.00	0.00	5.17	2.46	0.00	2.46	0.00	1.17	0.11	0.00	1.28	0.00	23.50	0.00	0.	0.00
213	40.750	31.95	0.00	0.00	0.00	5.18	2.45	0.00	2.45	0.00	1.17	0.11	0.00	1.28	0.00	23.54	0.00	0.	0.00
214	40.500	31.94	0.00	0.00	0.00	5.20	2.44	0.00	2.44	0.00	1.17	0.11	0.00	1.28	0.00	23.58	0.00	0.	0.00
215	40.250	31.94	0.00	0.00	0.00	5.21	2.44	0.00	2.44	0.00	1.17	0.11	0.00	1.28	0.00	23.62	0.00	0.	0.00
216	40.000	31.93	0.00	0.00	0.00	5.22	2.43	0.00	2.43	0.00	1.17	0.11	0.00	1.28	0.00	23.67	0.00	0.	0.00
217	39.750	31.93	0.00	0.00	0.00	5.24	2.43	0.00	2.43	0.00	1.17	0.11	0.00	1.28	0.00	23.71	0.00	0.	0.00
218	39.500	31.92	0.00	0.00	0.00	5.25	2.42	0.00	2.42	0.00	1.16	0.11	0.00	1.28	0.00	23.75	0.00	0.	0.00
219	39.250	31.92	0.00	0.00	0.00	5.27	2.42	0.00	2.42	0.00	1.16	0.11	0.00	1.28	0.00	23.79	0.00	0.	0.00
220	39.000	31.92	0.00	0.00	0.00	5.28	2.42	0.00	2.42	0.00	1.16	0.11	0.00	1.27	0.00	23.83	0.00	0.	0.00
221	38.750	31.91	0.00	0.00	0.00	5.30	2.41	0.00	2.41	0.00	1.16	0.11	0.00	1.27	0.00	23.88	0.00	0.	0.00
222	38.500	31.91	0.00	0.00	0.00	5.34	2.41	0.00	2.41	0.00	1.16	0.11	0.00	1.27	0.00	23.92	0.00	0.	0.00
223	38.250	31.90	0.00	0.00	0.00	5.37	2.42	0.00	2.42	0.00	1.16	0.11	0.00	1.27	0.00	23.96	0.00	0.	0.00
224	38.000	31.90	0.00	0.00	0.00	5.33	2.58	0.00	2.58	0.00	1.17	0.11	0.00	1.28	0.00	24.00	0.00	0.	0.00

FINAL REPORT ICWW LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 8 Gulf ICWW FTN Field Survey calibration

********** 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
405	UPR RCH	12.72698	31.90	0.00	0.00	0.00	5.33	2.58	0.00	2.58	0.00	1.17	0.11	0.00	0.00	24.00	0.00	0.00
405	TRIB	2.22907	31.90	0.00	0.00	0.00	3.00	7.06	0.00	7.06	0.00	1.44	0.12	0.00	0.00	24.00	0.00	0.00
EACH	INCR	0.02142	32.10	0.00	0.00	0.00	7.22	6.67	0.00			1.40	0.10	0.00	0.00	0.00	0.00	
413	WSTLD	1.41564	31.20	0.00	0.00	0.00	2.30	9.40	0.00	9.40	0.00	1.63	0.14	0.00	0.00	0.00	0.00	0.00
413	WSTLD	-0.96263	31.91	0.00	0.00	0.00	5.08	3.95	0.00	3.95	0.00	1.23	0.11	0.00	0.00	23.82	0.00	0.00
417	WSTLD	0.00001	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
461	WSTLD	0.00005	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
467	WSTLD	0.00344	31.20	0.00	0.00	0.00	5.00	70.80	0.00	70.80	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
469	WSTLD	4.16197	31.20	0.00	0.00	0.00	3.89	9.80	0.00	9.80	0.00	1.34	0.10	0.00	0.00	0.00	0.00	0.00
469	WSTLD	-0.53794	31.99	0.00	0.00	0.00	4.31	4.91	0.00	4.91	0.00	1.20	0.11	0.00	0.00	22.72	0.00	0.00

493	WSTLD	0.45300	31.20	0.00	0.00	0.00	3.34	8.70	0.00	8.70	0.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00
525	WSTLD	1.21745	31.20	0.00	0.00	0.00	3.34	8.70	0.00	8.70	0.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00
541	WSTLD	-0.39638	32.08	0.00	0.00	0.00	3.33	3.93	0.00	3.93	0.00	1.14	0.12	0.00	0.00	21.30	0.00	0.00
549	WSTLD	0.00004	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL VOLUME m³	TIDAL PRISM m³	DISPRSN VELO m/s	MEAN VELO m²/s	TIDAL VELO m/s
405	38.00	37.75	14.97747	89.9	0.00751	0.39	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
406	37.75	37.50	14.99889	89.7	0.00752	0.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
407	37.50	37.25	15.02032	89.6	0.00753	0.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
408	37.25	37.00	15.04174	89.5	0.00754	0.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
409	37.00	36.75	15.06316	89.4	0.00755	0.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
410	36.75	36.50	15.08458	89.2	0.00756	0.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
411	36.50	36.25	15.10600	89.1	0.00757	0.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
412	36.25	36.00	15.12742	89.0	0.00759	0.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
413	36.00	35.75	15.60185	89.8	0.00782	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
414	35.75	35.50	15.62327	89.7	0.00783	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
415	35.50	35.25	15.64470	89.6	0.00784	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
416	35.25	35.00	15.66612	89.4	0.00786	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
417	35.00	34.75	15.68755	89.3	0.00787	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
418	34.75	34.50	15.70897	89.2	0.00788	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
419	34.50	34.25	15.73039	89.1	0.00789	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
420	34.25	34.00	15.75181	89.0	0.00790	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
421	34.00	33.75	15.77323	88.8	0.00791	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
422	33.75	33.50	15.79466	88.7	0.00792	0.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
423	33.50	33.25	15.81608	88.6	0.00793	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
424	33.25	33.00	15.83750	88.5	0.00794	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
425	33.00	32.75	15.85892	88.3	0.00795	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
426	32.75	32.50	15.88034	88.2	0.00796	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
427	32.50	32.25	15.90176	88.1	0.00797	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
428	32.25	32.00	15.92318	88.0	0.00798	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
429	32.00	31.75	15.94461	87.9	0.00800	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
430	31.75	31.50	15.96603	87.8	0.00801	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
431	31.50	31.25	15.98745	87.6	0.00802	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
432	31.25	31.00	16.00887	87.5	0.00803	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
433	31.00	30.75	16.03029	87.4	0.00804	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
434	30.75	30.50	16.05171	87.3	0.00805	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
435	30.50	30.25	16.07313	87.2	0.00806	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
436	30.25	30.00	16.09455	87.1	0.00807	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
437	30.00	29.75	16.11598	86.9	0.00808	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
438	29.75	29.50	16.13740	86.8	0.00809	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
439	29.50	29.25	16.15882	86.7	0.00810	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
440	29.25	29.00	16.18024	86.6	0.00811	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
441	29.00	28.75	16.20166	86.5	0.00812	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
442	28.75	28.50	16.22308	86.4	0.00813	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
443	28.50	28.25	16.24450	86.3	0.00815	0.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
444	28.25	28.00	16.26593	86.1	0.00816	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	
445	28.00	27.75	16.28735	86.0	0.00817	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008	

446	27.75	27.50	16.30877	85.9	0.00818	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
447	27.50	27.25	16.33019	85.8	0.00819	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
448	27.25	27.00	16.35161	85.7	0.00820	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
449	27.00	26.75	16.37303	85.6	0.00821	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
450	26.75	26.50	16.39445	85.5	0.00822	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
451	26.50	26.25	16.41588	85.4	0.00823	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
452	26.25	26.00	16.43730	85.2	0.00824	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
453	26.00	25.75	16.45872	85.1	0.00825	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
454	25.75	25.50	16.48014	85.0	0.00826	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
455	25.50	25.25	16.50156	84.9	0.00827	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
456	25.25	25.00	16.52298	84.8	0.00829	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
457	25.00	24.75	16.54440	84.7	0.00830	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
458	24.75	24.50	16.56583	84.6	0.00831	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
459	24.50	24.25	16.58725	84.5	0.00832	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
460	24.25	24.00	16.60867	84.4	0.00833	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
461	24.00	23.75	16.63014	84.3	0.00834	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
462	23.75	23.50	16.65156	84.1	0.00835	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
463	23.50	23.25	16.67298	84.0	0.00836	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
464	23.25	23.00	16.69440	83.9	0.00837	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
465	23.00	22.75	16.71583	83.8	0.00838	0.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
466	22.75	22.50	16.73725	83.7	0.00839	0.34	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
467	22.50	22.25	16.76211	83.6	0.00841	0.34	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
468	22.25	22.00	16.78353	83.5	0.00842	0.34	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.008
469	22.00	21.75	20.42898	86.7	0.01024	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
470	21.75	21.50	20.45040	86.6	0.01025	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
471	21.50	21.25	20.47182	86.5	0.01027	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
472	21.25	21.00	20.49325	86.4	0.01028	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
473	21.00	20.75	20.51467	86.3	0.01029	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
474	20.75	20.50	20.53609	86.2	0.01030	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
475	20.50	20.25	20.55751	86.2	0.01031	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
476	20.25	20.00	20.57893	86.1	0.01032	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
477	20.00	19.75	20.60035	86.0	0.01033	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
478	19.75	19.50	20.62177	85.9	0.01034	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
479	19.50	19.25	20.64320	85.8	0.01035	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
480	19.25	19.00	20.66462	85.7	0.01036	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
481	19.00	18.75	20.68604	85.6	0.01037	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
482	18.75	18.50	20.70746	85.5	0.01038	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
483	18.50	18.25	20.72888	85.4	0.01039	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
484	18.25	18.00	20.75030	85.4	0.01041	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
485	18.00	17.75	20.77172	85.3	0.01042	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
486	17.75	17.50	20.79315	85.2	0.01043	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
487	17.50	17.25	20.81457	85.1	0.01044	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
488	17.25	17.00	20.83599	85.0	0.01045	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
489	17.00	16.75	20.85741	84.9	0.01046	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
490	16.75	16.50	20.87883	84.8	0.01047	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
491	16.50	16.25	20.90025	84.7	0.01048	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
492	16.25	16.00	20.92167	84.7	0.01049	0.28	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.010
493	16.00	15.75	21.39610	84.9	0.01073	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
494	15.75	15.50	21.41752	84.8	0.01074	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
495	15.50	15.25	21.43894	84.7	0.01075	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011

496	15.25	15.00	21.46036	84.6	0.01076	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
497	15.00	14.75	21.48178	84.6	0.01077	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
498	14.75	14.50	21.50320	84.5	0.01078	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
499	14.50	14.25	21.52462	84.4	0.01079	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
500	14.25	14.00	21.54605	84.3	0.01080	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
501	14.00	13.75	21.56747	84.2	0.01081	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
502	13.75	13.50	21.58889	84.1	0.01083	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
503	13.50	13.25	21.61031	84.0	0.01084	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
504	13.25	13.00	21.63173	84.0	0.01085	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
505	13.00	12.75	21.65315	83.9	0.01086	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
506	12.75	12.50	21.67457	83.8	0.01087	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
507	12.50	12.25	21.69600	83.7	0.01088	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
508	12.25	12.00	21.71742	83.6	0.01089	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
509	12.00	11.75	21.73884	83.6	0.01090	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
510	11.75	11.50	21.76026	83.5	0.01091	0.27	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
511	11.50	11.25	21.78168	83.4	0.01092	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
512	11.25	11.00	21.80310	83.3	0.01093	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
513	11.00	10.75	21.82452	83.2	0.01094	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
514	10.75	10.50	21.84595	83.1	0.01095	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
515	10.50	10.25	21.86737	83.1	0.01097	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
516	10.25	10.00	21.88879	83.0	0.01098	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
517	10.00	9.75	21.91021	82.9	0.01099	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
518	9.75	9.50	21.93163	82.8	0.01100	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
519	9.50	9.25	21.95305	82.7	0.01101	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
520	9.25	9.00	21.97447	82.7	0.01102	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
521	9.00	8.75	21.99590	82.6	0.01103	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
522	8.75	8.50	22.01732	82.5	0.01104	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
523	8.50	8.25	22.03874	82.4	0.01105	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
524	8.25	8.00	22.06016	82.3	0.01106	0.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.011
525	8.00	7.75	23.29903	83.2	0.01168	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
526	7.75	7.50	23.32045	83.1	0.01169	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
527	7.50	7.25	23.34187	83.0	0.01170	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
528	7.25	7.00	23.36329	83.0	0.01172	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
529	7.00	6.75	23.38472	82.9	0.01173	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
530	6.75	6.50	23.40614	82.8	0.01174	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
531	6.50	6.25	23.42756	82.7	0.01175	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
532	6.25	6.00	23.44898	82.7	0.01176	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
533	6.00	5.75	23.47040	82.6	0.01177	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
534	5.75	5.50	23.49182	82.5	0.01178	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
535	5.50	5.25	23.51324	82.4	0.01179	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
536	5.25	5.00	23.53467	82.4	0.01180	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
537	5.00	4.75	23.55609	82.3	0.01181	0.24	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
538	4.75	4.50	23.57751	82.2	0.01182	0.24	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
539	4.50	4.25	23.59893	82.1	0.01183	0.24	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
540	4.25	4.00	23.62035	82.1	0.01184	0.24	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
541	4.00	3.75	23.24539	82.0	0.01166	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
542	3.75	3.50	23.26682	81.9	0.01167	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
543	3.50	3.25	23.28824	81.8	0.01168	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
544	3.25	3.00	23.30966	81.8	0.01169	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
545	3.00	2.75	23.33108	81.7	0.01170	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012

546	2.75	2.50	23.35250	81.6	0.01171	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
547	2.50	2.25	23.37392	81.5	0.01172	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
548	2.25	2.00	23.39534	81.5	0.01173	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
549	2.00	1.75	23.41681	81.4	0.01174	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
550	1.75	1.50	23.43823	81.3	0.01175	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
551	1.50	1.25	23.45965	81.2	0.01176	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
552	1.25	1.00	23.48107	81.2	0.01177	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
553	1.00	0.75	23.50249	81.1	0.01179	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
554	0.75	0.50	23.52391	81.0	0.01180	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
555	0.50	0.25	23.54533	80.9	0.01181	0.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
556	0.25	0.00	23.56676	80.9	0.01182	0.24	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.012
TOT				46.11		75781128.00			5920400.00						
AVG			0.0095				12.80	155.80			1994.24				
CUM				410.57											

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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			
405	37.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	
406	37.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	
407	37.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	
408	37.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
409	36.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
410	36.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
411	36.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
412	36.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
413	35.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
414	35.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
415	35.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
416	35.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
417	34.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
418	34.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
419	34.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	
420	34.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
421	33.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
422	33.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
423	33.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
424	33.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.27	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
425	32.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
426	32.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
427	32.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
428	32.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
429	31.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
430	31.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
431	31.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	
432	31.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	
433	30.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	
434	30.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	
435	30.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	
436	30.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	

437	29.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
438	29.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
439	29.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
440	29.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
441	28.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
442	28.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
443	28.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
444	28.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
445	27.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
446	27.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
447	27.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
448	27.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
449	26.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
450	26.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
451	26.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
452	26.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
453	25.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
454	25.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
455	25.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
456	25.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
457	24.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
458	24.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
459	24.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
460	24.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
461	23.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
462	23.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
463	23.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
464	23.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
465	22.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
466	22.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
467	22.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
468	22.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
469	21.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
470	21.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
471	21.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
472	21.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
473	20.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
474	20.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
475	20.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
476	20.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
477	19.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
478	19.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
479	19.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
480	19.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
481	18.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
482	18.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
483	18.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
484	18.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
485	17.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
486	17.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00

487	17.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
488	17.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
489	16.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
490	16.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
491	16.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
492	16.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
493	15.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
494	15.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
495	15.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
496	15.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
497	14.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
498	14.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
499	14.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
500	14.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
501	13.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
502	13.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
503	13.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
504	13.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
505	12.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
506	12.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
507	12.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
508	12.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
509	11.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
510	11.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
511	11.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
512	11.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
513	10.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
514	10.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
515	10.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
516	10.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
517	9.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
518	9.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
519	9.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
520	9.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
521	8.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
522	8.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
523	8.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
524	8.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
525	7.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
526	7.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
527	7.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
528	7.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
529	6.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
530	6.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
531	6.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
532	6.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
533	5.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
534	5.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
535	5.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
536	5.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00

537	4.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
538	4.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
539	4.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
540	4.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
541	3.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
542	3.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
543	3.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
544	3.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
545	2.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
546	2.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
547	2.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
548	2.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
549	1.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
550	1.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
551	1.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
552	1.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
553	0.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
554	0.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
555	0.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.24	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
556	0.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.05	0.15	0.00	0.00	0.00	0.00	0.00	0.70			0.02	0.00	0.13	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/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 mg/L	TOTN µg/L	PHOS g/m³	CHL A	MACRO #/100mL	COLI	NCM
405	37.750	31.90	0.00	0.00	0.00	5.13	3.16	0.00	3.16	0.00	1.20	0.11	0.00	1.31	0.00	23.98	0.00	0.	0.00	
406	37.500	31.90	0.00	0.00	0.00	5.19	3.22	0.00	3.22	0.00	1.20	0.11	0.00	1.31	0.00	23.96	0.00	0.	0.00	
407	37.250	31.90	0.00	0.00	0.00	5.23	3.28	0.00	3.28	0.00	1.20	0.11	0.00	1.31	0.00	23.94	0.00	0.	0.00	
408	37.000	31.91	0.00	0.00	0.00	5.27	3.33	0.00	3.33	0.00	1.19	0.11	0.00	1.31	0.00	23.92	0.00	0.	0.00	
409	36.750	31.91	0.00	0.00	0.00	5.31	3.38	0.00	3.38	0.00	1.19	0.11	0.00	1.31	0.00	23.90	0.00	0.	0.00	
410	36.500	31.91	0.00	0.00	0.00	5.33	3.43	0.00	3.43	0.00	1.19	0.11	0.00	1.31	0.00	23.88	0.00	0.	0.00	
411	36.250	31.91	0.00	0.00	0.00	5.32	3.49	0.00	3.49	0.00	1.20	0.11	0.00	1.31	0.00	23.86	0.00	0.	0.00	
412	36.000	31.91	0.00	0.00	0.00	5.27	3.62	0.00	3.62	0.00	1.20	0.11	0.00	1.31	0.00	23.84	0.00	0.	0.00	
413	35.750	31.91	0.00	0.00	0.00	5.08	3.95	0.00	3.95	0.00	1.23	0.11	0.00	1.34	0.00	23.82	0.00	0.	0.00	
414	35.500	31.91	0.00	0.00	0.00	5.06	3.95	0.00	3.95	0.00	1.22	0.11	0.00	1.34	0.00	23.80	0.00	0.	0.00	
415	35.250	31.91	0.00	0.00	0.00	5.05	3.94	0.00	3.94	0.00	1.22	0.12	0.00	1.34	0.00	23.78	0.00	0.	0.00	
416	35.000	31.92	0.00	0.00	0.00	5.04	3.93	0.00	3.93	0.00	1.22	0.12	0.00	1.34	0.00	23.76	0.00	0.	0.00	
417	34.750	31.92	0.00	0.00	0.00	5.02	3.93	0.00	3.93	0.00	1.22	0.12	0.00	1.34	0.00	23.74	0.00	0.	0.00	
418	34.500	31.92	0.00	0.00	0.00	5.01	3.92	0.00	3.92	0.00	1.22	0.12	0.00	1.33	0.00	23.72	0.00	0.	0.00	
419	34.250	31.92	0.00	0.00	0.00	5.00	3.91	0.00	3.91	0.00	1.22	0.12	0.00	1.33	0.00	23.70	0.00	0.	0.00	
420	34.000	31.92	0.00	0.00	0.00	4.99	3.91	0.00	3.91	0.00	1.22	0.12	0.00	1.33	0.00	23.68	0.00	0.	0.00	
421	33.750	31.92	0.00	0.00	0.00	4.98	3.90	0.00	3.90	0.00	1.21	0.12	0.00	1.33	0.00	23.66	0.00	0.	0.00	
422	33.500	31.92	0.00	0.00	0.00	4.97	3.90	0.00	3.90	0.00	1.21	0.12	0.00	1.33	0.00	23.64	0.00	0.	0.00	
423	33.250	31.92	0.00	0.00	0.00	4.96	3.90	0.00	3.90	0.00	1.21	0.12	0.00	1.33	0.00	23.62	0.00	0.	0.00	
424	33.000	31.93	0.00	0.00	0.00	4.95	3.89	0.00	3.89	0.00	1.21	0.12	0.00	1.33	0.00	23.61	0.00	0.	0.00	
425	32.750	31.93	0.00	0.00	0.00	4.94	3.89	0.00	3.89	0.00	1.21	0.12	0.00	1.33	0.00	23.59	0.00	0.	0.00	
426	32.500	31.93	0.00	0.00	0.00	4.93	3.89	0.00	3.89	0.00	1.21	0.12	0.00	1.32	0.00	23.57	0.00	0.	0.00	
427	32.250	31.93	0.00	0.00	0.00	4.92	3.88	0.00	3.88	0.00	1.21	0.12	0.00	1.32	0.00	23.55	0.00	0.	0.00	
428	32.000	31.93	0.00	0.00	0.00	4.91	3.88	0.00	3.88	0.00	1.21	0.12	0.00	1.32	0.00	23.53	0.00	0.	0.00	
429	31.750	31.93	0.00	0.00	0.00	4.90	3.88	0.00	3.88	0.00	1.20	0.12	0.00	1.32	0.00	23.51	0.00	0.	0.00	

430	31.500	31.93	0.00	0.00	0.00	4.89	3.88	0.00	3.88	0.00	1.20	0.12	0.00	1.32	0.00	23.49	0.00	0.	0.00
431	31.250	31.94	0.00	0.00	0.00	4.88	3.88	0.00	3.88	0.00	1.20	0.12	0.00	1.32	0.00	23.47	0.00	0.	0.00
432	31.000	31.94	0.00	0.00	0.00	4.87	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.32	0.00	23.45	0.00	0.	0.00
433	30.750	31.94	0.00	0.00	0.00	4.87	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.32	0.00	23.43	0.00	0.	0.00
434	30.500	31.94	0.00	0.00	0.00	4.86	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.31	0.00	23.41	0.00	0.	0.00
435	30.250	31.94	0.00	0.00	0.00	4.85	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.31	0.00	23.39	0.00	0.	0.00
436	30.000	31.94	0.00	0.00	0.00	4.84	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.31	0.00	23.37	0.00	0.	0.00
437	29.750	31.94	0.00	0.00	0.00	4.83	3.87	0.00	3.87	0.00	1.20	0.12	0.00	1.31	0.00	23.35	0.00	0.	0.00
438	29.500	31.94	0.00	0.00	0.00	4.82	3.87	0.00	3.87	0.00	1.19	0.12	0.00	1.31	0.00	23.33	0.00	0.	0.00
439	29.250	31.95	0.00	0.00	0.00	4.82	3.86	0.00	3.86	0.00	1.19	0.12	0.00	1.31	0.00	23.31	0.00	0.	0.00
440	29.000	31.95	0.00	0.00	0.00	4.81	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.31	0.00	23.29	0.00	0.	0.00
441	28.750	31.95	0.00	0.00	0.00	4.80	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.31	0.00	23.27	0.00	0.	0.00
442	28.500	31.95	0.00	0.00	0.00	4.79	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.25	0.00	0.	0.00
443	28.250	31.95	0.00	0.00	0.00	4.78	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.23	0.00	0.	0.00
444	28.000	31.95	0.00	0.00	0.00	4.78	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.21	0.00	0.	0.00
445	27.750	31.95	0.00	0.00	0.00	4.77	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.19	0.00	0.	0.00
446	27.500	31.96	0.00	0.00	0.00	4.76	3.86	0.00	3.86	0.00	1.19	0.11	0.00	1.30	0.00	23.17	0.00	0.	0.00
447	27.250	31.96	0.00	0.00	0.00	4.75	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.15	0.00	0.	0.00
448	27.000	31.96	0.00	0.00	0.00	4.74	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.13	0.00	0.	0.00
449	26.750	31.96	0.00	0.00	0.00	4.73	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.11	0.00	0.	0.00
450	26.500	31.96	0.00	0.00	0.00	4.73	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.09	0.00	0.	0.00
451	26.250	31.96	0.00	0.00	0.00	4.72	3.86	0.00	3.86	0.00	1.18	0.11	0.00	1.30	0.00	23.07	0.00	0.	0.00
452	26.000	31.96	0.00	0.00	0.00	4.71	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.05	0.00	0.	0.00
453	25.750	31.96	0.00	0.00	0.00	4.70	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.03	0.00	0.	0.00
454	25.500	31.97	0.00	0.00	0.00	4.69	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	23.01	0.00	0.	0.00
455	25.250	31.97	0.00	0.00	0.00	4.69	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	22.99	0.00	0.	0.00
456	25.000	31.97	0.00	0.00	0.00	4.68	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	22.97	0.00	0.	0.00
457	24.750	31.97	0.00	0.00	0.00	4.67	3.85	0.00	3.85	0.00	1.18	0.11	0.00	1.29	0.00	22.95	0.00	0.	0.00
458	24.500	31.97	0.00	0.00	0.00	4.66	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.29	0.00	22.93	0.00	0.	0.00
459	24.250	31.97	0.00	0.00	0.00	4.65	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.29	0.00	22.91	0.00	0.	0.00
460	24.000	31.97	0.00	0.00	0.00	4.64	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.29	0.00	22.89	0.00	0.	0.00
461	23.750	31.97	0.00	0.00	0.00	4.64	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.29	0.00	22.88	0.00	0.	0.00
462	23.500	31.98	0.00	0.00	0.00	4.63	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.28	0.00	22.86	0.00	0.	0.00
463	23.250	31.98	0.00	0.00	0.00	4.62	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.28	0.00	22.84	0.00	0.	0.00
464	23.000	31.98	0.00	0.00	0.00	4.61	3.85	0.00	3.85	0.00	1.17	0.11	0.00	1.28	0.00	22.82	0.00	0.	0.00
465	22.750	31.98	0.00	0.00	0.00	4.60	3.86	0.00	3.86	0.00	1.17	0.11	0.00	1.28	0.00	22.80	0.00	0.	0.00
466	22.500	31.98	0.00	0.00	0.00	4.58	3.87	0.00	3.87	0.00	1.17	0.11	0.00	1.28	0.00	22.78	0.00	0.	0.00
467	22.250	31.98	0.00	0.00	0.00	4.55	3.94	0.00	3.94	0.00	1.17	0.11	0.00	1.28	0.00	22.76	0.00	0.	0.00
468	22.000	31.98	0.00	0.00	0.00	4.48	4.15	0.00	4.15	0.00	1.18	0.11	0.00	1.29	0.00	22.74	0.00	0.	0.00
469	21.750	31.99	0.00	0.00	0.00	4.31	4.91	0.00	4.91	0.00	1.20	0.11	0.00	1.31	0.00	22.72	0.00	0.	0.00
470	21.500	31.99	0.00	0.00	0.00	4.24	4.84	0.00	4.84	0.00	1.20	0.11	0.00	1.31	0.00	22.70	0.00	0.	0.00
471	21.250	31.99	0.00	0.00	0.00	4.18	4.77	0.00	4.77	0.00	1.20	0.11	0.00	1.31	0.00	22.68	0.00	0.	0.00
472	21.000	31.99	0.00	0.00	0.00	4.12	4.71	0.00	4.71	0.00	1.20	0.11	0.00	1.31	0.00	22.66	0.00	0.	0.00
473	20.750	31.99	0.00	0.00	0.00	4.07	4.65	0.00	4.65	0.00	1.20	0.11	0.00	1.31	0.00	22.64	0.00	0.	0.00
474	20.500	31.99	0.00	0.00	0.00	4.02	4.59	0.00	4.59	0.00	1.20	0.11	0.00	1.31	0.00	22.62	0.00	0.	0.00
475	20.250	31.99	0.00	0.00	0.00	3.97	4.54	0.00	4.54	0.00	1.19	0.11	0.00	1.31	0.00	22.60	0.00	0.	0.00
476	20.000	31.99	0.00	0.00	0.00	3.93	4.50	0.00	4.50	0.00	1.19	0.11	0.00	1.31	0.00	22.58	0.00	0.	0.00
477	19.750	32.00	0.00	0.00	0.00	3.89	4.45	0.00	4.45	0.00	1.19	0.11	0.00	1.31	0.00	22.56	0.00	0.	0.00
478	19.500	32.00	0.00	0.00	0.00	3.86	4.41	0.00	4.41	0.00	1.19	0.12	0.00	1.31	0.00	22.54	0.00	0.	0.00
479	19.250	32.00	0.00	0.00	0.00	3.83	4.37	0.00	4.37	0.00	1.19	0.12	0.00	1.31	0.00	22.52	0.00	0.	0.00

480	19.000	32.00	0.00	0.00	0.00	3.80	4.34	0.00	4.34	0.00	1.19	0.12	0.00	1.31	0.00	22.50	0.00	0.	0.00
481	18.750	32.00	0.00	0.00	0.00	3.77	4.30	0.00	4.30	0.00	1.19	0.12	0.00	1.31	0.00	22.48	0.00	0.	0.00
482	18.500	32.00	0.00	0.00	0.00	3.75	4.27	0.00	4.27	0.00	1.19	0.12	0.00	1.30	0.00	22.46	0.00	0.	0.00
483	18.250	32.00	0.00	0.00	0.00	3.73	4.24	0.00	4.24	0.00	1.19	0.12	0.00	1.30	0.00	22.44	0.00	0.	0.00
484	18.000	32.01	0.00	0.00	0.00	3.71	4.22	0.00	4.22	0.00	1.19	0.12	0.00	1.30	0.00	22.42	0.00	0.	0.00
485	17.750	32.01	0.00	0.00	0.00	3.69	4.19	0.00	4.19	0.00	1.19	0.12	0.00	1.30	0.00	22.40	0.00	0.	0.00
486	17.500	32.01	0.00	0.00	0.00	3.68	4.17	0.00	4.17	0.00	1.19	0.12	0.00	1.30	0.00	22.38	0.00	0.	0.00
487	17.250	32.01	0.00	0.00	0.00	3.66	4.15	0.00	4.15	0.00	1.18	0.12	0.00	1.30	0.00	22.36	0.00	0.	0.00
488	17.000	32.01	0.00	0.00	0.00	3.65	4.13	0.00	4.13	0.00	1.18	0.12	0.00	1.30	0.00	22.34	0.00	0.	0.00
489	16.750	32.01	0.00	0.00	0.00	3.64	4.11	0.00	4.11	0.00	1.18	0.12	0.00	1.30	0.00	22.32	0.00	0.	0.00
490	16.500	32.01	0.00	0.00	0.00	3.63	4.09	0.00	4.09	0.00	1.18	0.12	0.00	1.30	0.00	22.30	0.00	0.	0.00
491	16.250	32.01	0.00	0.00	0.00	3.62	4.08	0.00	4.08	0.00	1.18	0.12	0.00	1.30	0.00	22.28	0.00	0.	0.00
492	16.000	32.02	0.00	0.00	0.00	3.61	4.08	0.00	4.08	0.00	1.18	0.12	0.00	1.30	0.00	22.26	0.00	0.	0.00
493	15.750	32.02	0.00	0.00	0.00	3.59	4.13	0.00	4.13	0.00	1.17	0.12	0.00	1.29	0.00	22.24	0.00	0.	0.00
494	15.500	32.02	0.00	0.00	0.00	3.58	4.11	0.00	4.11	0.00	1.17	0.12	0.00	1.29	0.00	22.22	0.00	0.	0.00
495	15.250	32.02	0.00	0.00	0.00	3.57	4.09	0.00	4.09	0.00	1.17	0.12	0.00	1.29	0.00	22.20	0.00	0.	0.00
496	15.000	32.02	0.00	0.00	0.00	3.56	4.08	0.00	4.08	0.00	1.17	0.12	0.00	1.29	0.00	22.18	0.00	0.	0.00
497	14.750	32.02	0.00	0.00	0.00	3.55	4.06	0.00	4.06	0.00	1.17	0.12	0.00	1.29	0.00	22.16	0.00	0.	0.00
498	14.500	32.02	0.00	0.00	0.00	3.54	4.05	0.00	4.05	0.00	1.17	0.12	0.00	1.29	0.00	22.14	0.00	0.	0.00
499	14.250	32.02	0.00	0.00	0.00	3.54	4.03	0.00	4.03	0.00	1.17	0.12	0.00	1.29	0.00	22.12	0.00	0.	0.00
500	14.000	32.03	0.00	0.00	0.00	3.53	4.02	0.00	4.02	0.00	1.17	0.12	0.00	1.29	0.00	22.11	0.00	0.	0.00
501	13.750	32.03	0.00	0.00	0.00	3.53	4.01	0.00	4.01	0.00	1.17	0.12	0.00	1.29	0.00	22.09	0.00	0.	0.00
502	13.500	32.03	0.00	0.00	0.00	3.52	4.00	0.00	4.00	0.00	1.17	0.12	0.00	1.29	0.00	22.07	0.00	0.	0.00
503	13.250	32.03	0.00	0.00	0.00	3.52	3.99	0.00	3.99	0.00	1.17	0.12	0.00	1.29	0.00	22.05	0.00	0.	0.00
504	13.000	32.03	0.00	0.00	0.00	3.51	3.98	0.00	3.98	0.00	1.17	0.12	0.00	1.29	0.00	22.03	0.00	0.	0.00
505	12.750	32.03	0.00	0.00	0.00	3.51	3.97	0.00	3.97	0.00	1.17	0.12	0.00	1.29	0.00	22.01	0.00	0.	0.00
506	12.500	32.03	0.00	0.00	0.00	3.51	3.96	0.00	3.96	0.00	1.17	0.12	0.00	1.28	0.00	21.99	0.00	0.	0.00
507	12.250	32.04	0.00	0.00	0.00	3.51	3.95	0.00	3.95	0.00	1.16	0.12	0.00	1.28	0.00	21.97	0.00	0.	0.00
508	12.000	32.04	0.00	0.00	0.00	3.50	3.95	0.00	3.95	0.00	1.16	0.12	0.00	1.28	0.00	21.95	0.00	0.	0.00
509	11.750	32.04	0.00	0.00	0.00	3.50	3.94	0.00	3.94	0.00	1.16	0.12	0.00	1.28	0.00	21.93	0.00	0.	0.00
510	11.500	32.04	0.00	0.00	0.00	3.50	3.93	0.00	3.93	0.00	1.16	0.12	0.00	1.28	0.00	21.91	0.00	0.	0.00
511	11.250	32.04	0.00	0.00	0.00	3.50	3.93	0.00	3.93	0.00	1.16	0.12	0.00	1.28	0.00	21.89	0.00	0.	0.00
512	11.000	32.04	0.00	0.00	0.00	3.50	3.92	0.00	3.92	0.00	1.16	0.12	0.00	1.28	0.00	21.87	0.00	0.	0.00
513	10.750	32.04	0.00	0.00	0.00	3.50	3.91	0.00	3.91	0.00	1.16	0.12	0.00	1.28	0.00	21.85	0.00	0.	0.00
514	10.500	32.04	0.00	0.00	0.00	3.50	3.91	0.00	3.91	0.00	1.16	0.12	0.00	1.28	0.00	21.83	0.00	0.	0.00
515	10.250	32.05	0.00	0.00	0.00	3.49	3.90	0.00	3.90	0.00	1.16	0.12	0.00	1.28	0.00	21.81	0.00	0.	0.00
516	10.000	32.05	0.00	0.00	0.00	3.49	3.90	0.00	3.90	0.00	1.16	0.12	0.00	1.28	0.00	21.79	0.00	0.	0.00
517	9.750	32.05	0.00	0.00	0.00	3.49	3.90	0.00	3.90	0.00	1.16	0.12	0.00	1.28	0.00	21.77	0.00	0.	0.00
518	9.500	32.05	0.00	0.00	0.00	3.49	3.89	0.00	3.89	0.00	1.16	0.12	0.00	1.28	0.00	21.75	0.00	0.	0.00
519	9.250	32.05	0.00	0.00	0.00	3.49	3.89	0.00	3.89	0.00	1.16	0.12	0.00	1.28	0.00	21.73	0.00	0.	0.00
520	9.000	32.05	0.00	0.00	0.00	3.49	3.88	0.00	3.88	0.00	1.16	0.12	0.00	1.28	0.00	21.71	0.00	0.	0.00
521	8.750	32.05	0.00	0.00	0.00	3.49	3.88	0.00	3.88	0.00	1.16	0.12	0.00	1.28	0.00	21.69	0.00	0.	0.00
522	8.500	32.06	0.00	0.00	0.00	3.49	3.88	0.00	3.88	0.00	1.16	0.12	0.00	1.28	0.00	21.67	0.00	0.	0.00
523	8.250	32.06	0.00	0.00	0.00	3.49	3.89	0.00	3.89	0.00	1.15	0.12	0.00	1.27	0.00	21.65	0.00	0.	0.00
524	8.000	32.06	0.00	0.00	0.00	3.48	3.93	0.00	3.93	0.00	1.15	0.12	0.00	1.27	0.00	21.63	0.00	0.	0.00
525	7.750	32.06	0.00	0.00	0.00	3.46	4.10	0.00	4.10	0.00	1.14	0.12	0.00	1.26	0.00	21.61	0.00	0.	0.00
526	7.500	32.06	0.00	0.00	0.00	3.44	4.08	0.00	4.08	0.00	1.14	0.12	0.00	1.26	0.00	21.59	0.00	0.	0.00
527	7.250	32.06	0.00	0.00	0.00	3.43	4.07	0.00	4.07	0.00	1.14	0.12	0.00	1.26	0.00	21.57	0.00	0.	0.00
528	7.000	32.06	0.00	0.00	0.00	3.42	4.05	0.00	4.05	0.00	1.14	0.12	0.00	1.26	0.00	21.55	0.00	0.	0.00
529	6.750	32.06	0.00	0.00	0.00	3.41	4.04	0.00	4.04	0.00	1.14	0.12	0.00	1.26	0.00	21.53	0.00	0.	0.00

530	6.500	32.07	0.00	0.00	0.00	3.40	4.03	0.00	4.03	0.00	1.14	0.12	0.00	1.26	0.00	21.51	0.00	0.	0.00
531	6.250	32.07	0.00	0.00	0.00	3.39	4.02	0.00	4.02	0.00	1.14	0.12	0.00	1.26	0.00	21.49	0.00	0.	0.00
532	6.000	32.07	0.00	0.00	0.00	3.38	4.00	0.00	4.00	0.00	1.14	0.12	0.00	1.26	0.00	21.47	0.00	0.	0.00
533	5.750	32.07	0.00	0.00	0.00	3.38	3.99	0.00	3.99	0.00	1.14	0.12	0.00	1.26	0.00	21.45	0.00	0.	0.00
534	5.500	32.07	0.00	0.00	0.00	3.37	3.98	0.00	3.98	0.00	1.14	0.12	0.00	1.26	0.00	21.43	0.00	0.	0.00
535	5.250	32.07	0.00	0.00	0.00	3.36	3.97	0.00	3.97	0.00	1.14	0.12	0.00	1.26	0.00	21.41	0.00	0.	0.00
536	5.000	32.07	0.00	0.00	0.00	3.36	3.97	0.00	3.97	0.00	1.14	0.12	0.00	1.26	0.00	21.39	0.00	0.	0.00
537	4.750	32.07	0.00	0.00	0.00	3.35	3.96	0.00	3.96	0.00	1.14	0.12	0.00	1.26	0.00	21.38	0.00	0.	0.00
538	4.500	32.08	0.00	0.00	0.00	3.34	3.95	0.00	3.95	0.00	1.14	0.12	0.00	1.25	0.00	21.36	0.00	0.	0.00
539	4.250	32.08	0.00	0.00	0.00	3.34	3.94	0.00	3.94	0.00	1.14	0.12	0.00	1.25	0.00	21.34	0.00	0.	0.00
540	4.000	32.08	0.00	0.00	0.00	3.33	3.94	0.00	3.94	0.00	1.14	0.12	0.00	1.25	0.00	21.32	0.00	0.	0.00
541	3.750	32.08	0.00	0.00	0.00	3.33	3.93	0.00	3.93	0.00	1.14	0.12	0.00	1.25	0.00	21.30	0.00	0.	0.00
542	3.500	32.08	0.00	0.00	0.00	3.32	3.92	0.00	3.92	0.00	1.14	0.12	0.00	1.25	0.00	21.28	0.00	0.	0.00
543	3.250	32.08	0.00	0.00	0.00	3.32	3.92	0.00	3.92	0.00	1.13	0.12	0.00	1.25	0.00	21.26	0.00	0.	0.00
544	3.000	32.08	0.00	0.00	0.00	3.32	3.91	0.00	3.91	0.00	1.13	0.12	0.00	1.25	0.00	21.24	0.00	0.	0.00
545	2.750	32.09	0.00	0.00	0.00	3.31	3.91	0.00	3.91	0.00	1.13	0.12	0.00	1.25	0.00	21.22	0.00	0.	0.00
546	2.500	32.09	0.00	0.00	0.00	3.31	3.90	0.00	3.90	0.00	1.13	0.12	0.00	1.25	0.00	21.20	0.00	0.	0.00
547	2.250	32.09	0.00	0.00	0.00	3.31	3.90	0.00	3.90	0.00	1.13	0.12	0.00	1.25	0.00	21.18	0.00	0.	0.00
548	2.000	32.09	0.00	0.00	0.00	3.30	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	21.16	0.00	0.	0.00
549	1.750	32.09	0.00	0.00	0.00	3.30	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	21.14	0.00	0.	0.00
550	1.500	32.09	0.00	0.00	0.00	3.30	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	21.12	0.00	0.	0.00
551	1.250	32.09	0.00	0.00	0.00	3.29	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.25	0.00	21.10	0.00	0.	0.00
552	1.000	32.09	0.00	0.00	0.00	3.29	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.25	0.00	21.08	0.00	0.	0.00
553	0.750	32.10	0.00	0.00	0.00	3.29	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.24	0.00	21.06	0.00	0.	0.00
554	0.500	32.10	0.00	0.00	0.00	3.31	3.87	0.00	3.87	0.00	1.11	0.12	0.00	1.23	0.00	21.04	0.00	0.	0.00
555	0.250	32.10	0.00	0.00	0.00	3.39	3.86	0.00	3.86	0.00	1.03	0.12	0.00	1.15	0.00	21.02	0.00	0.	0.00
556	0.000	32.10	0.00	0.00	0.00	3.77	3.84	0.00	3.84	0.00	0.70	0.13	0.00	0.83	0.00	21.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL calibration for Gulf ICWW and Bayou Black
ICWW FTN Field Survey calibration

TRAVEL TIME = 410.57 DAYS
MAXIMUM EFFLUENT = 97.41 PERCENT
FLOW = 0.28132 TO 49.45604 m^3/s
DISPERSION = 0.3000 TO 0.9000 m^2/s
VELOCITY = 0.00017 TO 0.01772 m/s
DEPTH = 9.30 TO 13.35 m
WIDTH = 155.80 TO 395.30 m
BOD DECAY = 0.25 TO 0.26 per day
NH3 DECAY = 0.24 TO 0.28 per day
SOD = 1.48 TO 4.77 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.07 TO 0.09 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 = 31.22 TO 32.30 deg C
DISSOLVED OXYGEN = 3.29 TO 6.71 mg/L

FINAL REPORT Bayou Black LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 5 Bayou Black FTN Field Survey calibration

********** 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
225	HDWTR	0.00700	32.00	0.00	0.00	0.00	1.49	9.75	0.00	9.75	0.00	1.41	0.30	0.00	0.00	25.00	0.00	0.00
EACH	INCR	0.00400	29.70	0.00	0.00	0.00	5.00	3.70	0.00		1.10	0.10	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
225	45.00	44.75	0.01100	0.0	0.00001	236.47	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
226	44.75	44.50	0.01500	0.0	0.00002	173.41	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
227	44.50	44.25	0.01900	0.0	0.00002	136.90	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
228	44.25	44.00	0.02300	0.0	0.00003	113.09	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
229	44.00	43.75	0.02700	0.0	0.00003	96.34	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
230	43.75	43.50	0.03100	0.0	0.00003	83.91	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
231	43.50	43.25	0.03500	0.0	0.00004	74.32	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
232	43.25	43.00	0.03900	0.0	0.00004	66.70	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
233	43.00	42.75	0.04300	0.0	0.00005	60.49	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
234	42.75	42.50	0.04700	0.0	0.00005	55.34	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
235	42.50	42.25	0.05100	0.0	0.00006	51.00	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
236	42.25	42.00	0.05500	0.0	0.00006	47.29	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
237	42.00	41.75	0.05900	0.0	0.00007	44.09	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
238	41.75	41.50	0.06300	0.0	0.00007	41.29	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
239	41.50	41.25	0.06700	0.0	0.00007	38.82	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
240	41.25	41.00	0.07100	0.0	0.00008	36.64	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
241	41.00	40.75	0.07500	0.0	0.00008	34.68	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
242	40.75	40.50	0.07900	0.0	0.00009	32.93	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
243	40.50	40.25	0.08300	0.0	0.00009	31.34	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
244	40.25	40.00	0.08700	0.0	0.00010	29.90	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
245	40.00	39.75	0.09100	0.0	0.00010	28.58	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
246	39.75	39.50	0.09500	0.0	0.00011	27.38	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
247	39.50	39.25	0.09900	0.0	0.00011	26.27	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
248	39.25	39.00	0.10300	0.0	0.00011	25.25	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
249	39.00	38.75	0.10700	0.0	0.00012	24.31	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.000
TOT					1616.76				5618529.50	1229437.50					
AVG				0.0000			4.57	196.71			898.96				
CUM					1616.76										

********** 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	ORGN SRCE *	NH3 RATE 1/da	NH3 SRCE *	DENIT PROD **	PO4 PROD **	ALG DECAY 1/da	MAC DECAY 1/da	COLI SETT 1/da	NCM DECAY 1/da	NCM SETT 1/da
225	44.750	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
226	44.500	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
227	44.250	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
228	44.000	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
229	43.750	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
230	43.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
231	43.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
232	43.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
233	42.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
234	42.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
235	42.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00

236	42.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
237	41.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
238	41.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
239	41.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
240	41.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
241	40.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
242	40.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
243	40.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
244	40.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
245	39.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
246	39.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
247	39.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
248	39.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
249	38.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.15 0.15 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/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
225	44.750	32.10	0.00	0.00	0.00	10.74	0.42	0.00	0.42	0.00	0.16	0.01	0.00	0.17	0.00	25.00	0.00	0.	0.00
226	44.500	32.09	0.00	0.00	0.00	10.80	0.38	0.00	0.38	0.00	0.15	0.01	0.00	0.16	0.00	25.00	0.00	0.	0.00
227	44.250	32.09	0.00	0.00	0.00	10.84	0.37	0.00	0.37	0.00	0.15	0.01	0.00	0.16	0.00	25.00	0.00	0.	0.00
228	44.000	32.08	0.00	0.00	0.00	10.86	0.36	0.00	0.36	0.00	0.14	0.01	0.00	0.15	0.00	25.00	0.00	0.	0.00
229	43.750	32.08	0.00	0.00	0.00	10.87	0.36	0.00	0.36	0.00	0.14	0.01	0.00	0.15	0.00	25.00	0.00	0.	0.00
230	43.500	32.08	0.00	0.00	0.00	10.88	0.36	0.00	0.36	0.00	0.14	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
231	43.250	32.07	0.00	0.00	0.00	10.88	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
232	43.000	32.07	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
233	42.750	32.06	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
234	42.500	32.06	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
235	42.250	32.06	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
236	42.000	32.05	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
237	41.750	32.05	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
238	41.500	32.04	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
239	41.250	32.04	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
240	41.000	32.04	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
241	40.750	32.03	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
242	40.500	32.03	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
243	40.250	32.02	0.00	0.00	0.00	10.89	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
244	40.000	32.02	0.00	0.00	0.00	10.88	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
245	39.750	32.02	0.00	0.00	0.00	10.87	0.36	0.00	0.36	0.00	0.13	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
246	39.500	32.01	0.00	0.00	0.00	10.85	0.37	0.00	0.37	0.00	0.14	0.01	0.00	0.14	0.00	25.00	0.00	0.	0.00
247	39.250	32.01	0.00	0.00	0.00	10.81	0.38	0.00	0.38	0.00	0.14	0.01	0.00	0.15	0.00	25.00	0.00	0.	0.00
248	39.000	32.00	0.00	0.00	0.00	10.73	0.41	0.00	0.41	0.00	0.14	0.01	0.00	0.15	0.00	25.00	0.00	0.	0.00
249	38.750	32.00	0.00	0.00	0.00	10.57	0.48	0.00	0.48	0.00	0.15	0.01	0.00	0.16	0.00	25.00	0.00	0.	0.00

FINAL REPORT Bayou Black LA-QUAL calibration for Gulf ICWW and Bayou Black

REACH NO. 6 Bayou Black FTN Field Survey calibration

********** 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
250	UPR RCH	0.10700	32.00	0.00	0.00	0.00	10.57	0.48	0.00	0.48	0.00	0.15	0.01	0.00	0.00	25.00	0.00	0.00

EACH	INCR	0.00286	29.70	0.00	0.00	0.00	5.00	3.70	0.00		1.10	0.10	0.00	0.00	0.00	0.00			
260	WSTLD	0.00014	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00	
268	WSTLD	0.00004	31.20	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00	
278	WSTLD	0.00150	31.20	0.00	0.00	0.00	5.00	56.90	0.00	56.90	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL VOLUME m³	TIDAL PRISM m/s	DISPRSN VELO m²/s	MEAN VELO m/s
250	38.75	38.50	0.10986	0.0	0.00304	0.95	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.003
251	38.50	38.25	0.11271	0.0	0.00312	0.93	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.003
252	38.25	38.00	0.11557	0.0	0.00320	0.91	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.003
253	38.00	37.75	0.11843	0.0	0.00328	0.88	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.003
254	37.75	37.50	0.12129	0.0	0.00335	0.86	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.003
255	37.50	37.25	0.12414	0.0	0.00343	0.84	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.003
256	37.25	37.00	0.12700	0.0	0.00351	0.82	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
257	37.00	36.75	0.12986	0.0	0.00359	0.81	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
258	36.75	36.50	0.13271	0.0	0.00367	0.79	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
259	36.50	36.25	0.13557	0.0	0.00375	0.77	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
260	36.25	36.00	0.13857	0.1	0.00383	0.76	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
261	36.00	35.75	0.14143	0.1	0.00391	0.74	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
262	35.75	35.50	0.14428	0.1	0.00399	0.73	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
263	35.50	35.25	0.14714	0.1	0.00407	0.71	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
264	35.25	35.00	0.15000	0.1	0.00415	0.70	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
265	35.00	34.75	0.15285	0.1	0.00423	0.68	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
266	34.75	34.50	0.15571	0.1	0.00431	0.67	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
267	34.50	34.25	0.15857	0.1	0.00439	0.66	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
268	34.25	34.00	0.16147	0.1	0.00447	0.65	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.004
269	34.00	33.75	0.16432	0.1	0.00454	0.64	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
270	33.75	33.50	0.16718	0.1	0.00462	0.63	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
271	33.50	33.25	0.17004	0.1	0.00470	0.62	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
272	33.25	33.00	0.17289	0.1	0.00478	0.61	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
273	33.00	32.75	0.17575	0.1	0.00486	0.60	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
274	32.75	32.50	0.17861	0.1	0.00494	0.59	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
275	32.50	32.25	0.18147	0.1	0.00502	0.58	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
276	32.25	32.00	0.18432	0.1	0.00510	0.57	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
277	32.00	31.75	0.18718	0.1	0.00518	0.56	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
278	31.75	31.50	0.19154	0.9	0.00530	0.55	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
279	31.50	31.25	0.19439	0.9	0.00538	0.54	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
280	31.25	31.00	0.19725	0.9	0.00546	0.53	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.005
281	31.00	30.75	0.20011	0.8	0.00553	0.52	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
282	30.75	30.50	0.20297	0.8	0.00561	0.52	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
283	30.50	30.25	0.20582	0.8	0.00569	0.51	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
284	30.25	30.00	0.20868	0.8	0.00577	0.50	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
TOT					23.89				316375.50	272737.50					
AVG				0.0042		1.16	31.17				36.16				
CUM					1640.65										

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

ELEM NO.	ENDING DIST	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#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	NCM

250	38.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
251	38.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
252	38.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
253	37.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.44	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
254	37.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
255	37.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
256	37.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
257	36.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
258	36.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
259	36.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
260	36.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
261	35.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00
262	35.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
263	35.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
264	35.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
265	34.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
266	34.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00
267	34.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
268	34.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
269	33.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
270	33.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
271	33.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
272	33.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
273	32.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00
274	32.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
275	32.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
276	32.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
277	31.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
278	31.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00
279	31.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
280	31.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00
281	30.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
282	30.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
283	30.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
284	30.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.60	0.15	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/m²/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/m³	PHOS	CHL A	MACRO #/100mL	COLI	NCM
250	38.500	32.00	0.00	0.00	0.00	10.00	0.87	0.00	0.87	0.00	0.17	0.01	0.00	0.18	0.00	25.71	0.00	0.	0.00	
251	38.250	32.00	0.00	0.00	0.00	8.45	2.18	0.00	2.18	0.00	0.25	0.01	0.00	0.26	0.00	26.43	0.00	0.	0.00	
252	38.000	32.00	0.00	0.00	0.00	7.44	3.18	0.00	3.18	0.00	0.32	0.02	0.00	0.33	0.00	27.14	0.00	0.	0.00	
253	37.750	32.00	0.00	0.00	0.00	6.77	3.96	0.00	3.96	0.00	0.38	0.02	0.00	0.40	0.00	27.86	0.00	0.	0.00	
254	37.500	32.00	0.00	0.00	0.00	6.31	4.56	0.00	4.56	0.00	0.44	0.02	0.00	0.47	0.00	28.57	0.00	0.	0.00	
255	37.250	32.00	0.00	0.00	0.00	6.00	5.04	0.00	5.04	0.00	0.50	0.03	0.00	0.53	0.00	29.29	0.00	0.	0.00	
256	37.000	32.00	0.00	0.00	0.00	5.77	5.41	0.00	5.41	0.00	0.56	0.03	0.00	0.58	0.00	30.00	0.00	0.	0.00	
257	36.750	32.00	0.00	0.00	0.00	5.62	5.70	0.00	5.70	0.00	0.61	0.03	0.00	0.64	0.00	30.71	0.00	0.	0.00	
258	36.500	32.00	0.00	0.00	0.00	5.51	5.94	0.00	5.94	0.00	0.65	0.03	0.00	0.69	0.00	31.43	0.00	0.	0.00	
259	36.250	32.00	0.00	0.00	0.00	5.43	6.12	0.00	6.12	0.00	0.70	0.04	0.00	0.74	0.00	32.14	0.00	0.	0.00	

260	36.000	32.00	0.00	0.00	0.00	5.36	6.36	0.00	6.36	0.00	0.74	0.04	0.00	0.78	0.00	32.86	0.00	0.	0.00
261	35.750	32.00	0.00	0.00	0.00	5.32	6.46	0.00	6.46	0.00	0.78	0.04	0.00	0.82	0.00	33.57	0.00	0.	0.00
262	35.500	32.00	0.00	0.00	0.00	5.30	6.55	0.00	6.55	0.00	0.82	0.05	0.00	0.86	0.00	34.29	0.00	0.	0.00
263	35.250	32.00	0.00	0.00	0.00	5.29	6.61	0.00	6.61	0.00	0.85	0.05	0.00	0.90	0.00	35.00	0.00	0.	0.00
264	35.000	32.00	0.00	0.00	0.00	5.29	6.67	0.00	6.67	0.00	0.89	0.05	0.00	0.94	0.00	35.71	0.00	0.	0.00
265	34.750	32.00	0.00	0.00	0.00	5.30	6.72	0.00	6.72	0.00	0.92	0.05	0.00	0.97	0.00	36.43	0.00	0.	0.00
266	34.500	32.00	0.00	0.00	0.00	5.32	6.75	0.00	6.75	0.00	0.95	0.05	0.00	1.00	0.00	37.14	0.00	0.	0.00
267	34.250	32.00	0.00	0.00	0.00	5.33	6.79	0.00	6.79	0.00	0.97	0.06	0.00	1.03	0.00	37.86	0.00	0.	0.00
268	34.000	32.00	0.00	0.00	0.00	5.35	6.82	0.00	6.82	0.00	1.00	0.06	0.00	1.06	0.00	38.57	0.00	0.	0.00
269	33.750	32.00	0.00	0.00	0.00	5.38	6.84	0.00	6.84	0.00	1.03	0.06	0.00	1.09	0.00	39.29	0.00	0.	0.00
270	33.500	32.00	0.00	0.00	0.00	5.40	6.86	0.00	6.86	0.00	1.05	0.06	0.00	1.11	0.00	40.00	0.00	0.	0.00
271	33.250	32.00	0.00	0.00	0.00	5.43	6.87	0.00	6.87	0.00	1.07	0.06	0.00	1.14	0.00	40.71	0.00	0.	0.00
272	33.000	32.00	0.00	0.00	0.00	5.46	6.88	0.00	6.88	0.00	1.10	0.06	0.00	1.16	0.00	41.43	0.00	0.	0.00
273	32.750	32.00	0.00	0.00	0.00	5.49	6.89	0.00	6.89	0.00	1.12	0.06	0.00	1.18	0.00	42.14	0.00	0.	0.00
274	32.500	32.00	0.00	0.00	0.00	5.53	6.90	0.00	6.90	0.00	1.14	0.07	0.00	1.20	0.00	42.86	0.00	0.	0.00
275	32.250	32.00	0.00	0.00	0.00	5.56	6.91	0.00	6.91	0.00	1.16	0.07	0.00	1.22	0.00	43.57	0.00	0.	0.00
276	32.000	32.00	0.00	0.00	0.00	5.59	6.91	0.00	6.91	0.00	1.17	0.07	0.00	1.24	0.00	44.29	0.00	0.	0.00
277	31.750	32.00	0.00	0.00	0.00	5.63	6.92	0.00	6.92	0.00	1.19	0.07	0.00	1.26	0.00	45.00	0.00	0.	0.00
278	31.500	32.00	0.00	0.00	0.00	5.62	7.26	0.00	7.26	0.00	1.21	0.08	0.00	1.29	0.00	45.71	0.00	0.	0.00
279	31.250	32.00	0.00	0.00	0.00	5.63	7.22	0.00	7.22	0.00	1.22	0.08	0.00	1.30	0.00	46.43	0.00	0.	0.00
280	31.000	32.00	0.00	0.00	0.00	5.66	7.18	0.00	7.18	0.00	1.24	0.08	0.00	1.32	0.00	47.14	0.00	0.	0.00
281	30.750	32.00	0.00	0.00	0.00	5.69	7.15	0.00	7.15	0.00	1.25	0.08	0.00	1.33	0.00	47.86	0.00	0.	0.00
282	30.500	32.00	0.00	0.00	0.00	5.73	7.13	0.00	7.13	0.00	1.27	0.08	0.00	1.35	0.00	48.57	0.00	0.	0.00
283	30.250	32.00	0.00	0.00	0.00	5.77	7.10	0.00	7.10	0.00	1.28	0.08	0.00	1.36	0.00	49.29	0.00	0.	0.00
284	30.000	32.00	0.00	0.00	0.00	5.81	7.08	0.00	7.08	0.00	1.29	0.08	0.00	1.37	0.00	50.00	0.00	0.	0.00

FINAL REPORT Bayou Black LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 7 Bayou Black FTN Field Survey calibration

********** 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
285	UPR RCH	0.20868	32.00	0.00	0.00	0.00	5.81	7.08	0.00	7.08	0.00	1.29	0.08	0.00	0.00	50.00	0.00	0.00
EACH	INCR	0.00143	29.70	0.00	0.00	0.00	5.00	3.70	0.00			1.10	0.10	0.00	0.00	0.00	0.00	
292	WSTLD	0.00192	31.20	0.00	0.00	0.00	5.00	52.70	0.00	52.70	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
312	WSTLD	0.00071	31.20	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
331	WSTLD	0.00018	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
339	WSTLD	0.00042	31.20	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
352	WSTLD	0.01416	31.20	0.00	0.00	0.00	5.00	57.50	0.00	57.50	0.00	1.40	20.00	2.00	0.00	0.00	0.00	0.00
369	WSTLD	0.00160	31.20	0.00	0.00	0.00	5.00	25.40	0.00	25.40	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
372	WSTLD	0.00001	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.40	1.50	2.00	0.00	0.00	0.00	0.00
373	WSTLD	0.52662	31.20	0.00	0.00	0.00	10.40	7.20	0.00	7.20	0.00	1.40	0.10	0.00	0.00	0.00	0.00	0.00
401	WSTLD	1.30238	31.20	0.00	0.00	0.00	2.30	9.40	0.00	9.40	0.00	1.63	0.14	0.00	0.00	0.00	0.00	0.00
402	WSTLD	0.00039	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.63	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 m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	AREA m²	VOLUME m²	AREA m³	SURFACE PRISM m/s	X-SECT VELO m²/s	TIDAL VELO m/s	TIDAL	DISPRSN	MEAN
285	30.00	29.75	0.21011	0.8	0.00581	0.50	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006		
286	29.75	29.50	0.21155	0.8	0.00585	0.49	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006		
287	29.50	29.25	0.21298	0.8	0.00589	0.49	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006		
288	29.25	29.00	0.21441	0.8	0.00593	0.49	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006		

289	29.00	28.75	0.21585	0.8	0.00597	0.48	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
290	28.75	28.50	0.21728	0.8	0.00601	0.48	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
291	28.50	28.25	0.21871	0.8	0.00605	0.48	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
292	28.25	28.00	0.22207	1.6	0.00614	0.47	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
293	28.00	27.75	0.22350	1.6	0.00618	0.47	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
294	27.75	27.50	0.22493	1.6	0.00622	0.47	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
295	27.50	27.25	0.22637	1.6	0.00626	0.46	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
296	27.25	27.00	0.22780	1.6	0.00630	0.46	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
297	27.00	26.75	0.22923	1.6	0.00634	0.46	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
298	26.75	26.50	0.23067	1.6	0.00638	0.45	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
299	26.50	26.25	0.23210	1.6	0.00642	0.45	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
300	26.25	26.00	0.23353	1.5	0.00646	0.45	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
301	26.00	25.75	0.23497	1.5	0.00650	0.45	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.006
302	25.75	25.50	0.23640	1.5	0.00654	0.44	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
303	25.50	25.25	0.23783	1.5	0.00658	0.44	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
304	25.25	25.00	0.23927	1.5	0.00662	0.44	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
305	25.00	24.75	0.24070	1.5	0.00666	0.43	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
306	24.75	24.50	0.24213	1.5	0.00670	0.43	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
307	24.50	24.25	0.24357	1.5	0.00674	0.43	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
308	24.25	24.00	0.24500	1.5	0.00678	0.43	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
309	24.00	23.75	0.24643	1.5	0.00682	0.42	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
310	23.75	23.50	0.24787	1.5	0.00686	0.42	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
311	23.50	23.25	0.24930	1.4	0.00689	0.42	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
312	23.25	23.00	0.25144	1.7	0.00695	0.42	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
313	23.00	22.75	0.25288	1.7	0.00699	0.41	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
314	22.75	22.50	0.25431	1.7	0.00703	0.41	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
315	22.50	22.25	0.25574	1.7	0.00707	0.41	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
316	22.25	22.00	0.25718	1.7	0.00711	0.41	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
317	22.00	21.75	0.25861	1.7	0.00715	0.40	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
318	21.75	21.50	0.26004	1.7	0.00719	0.40	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
319	21.50	21.25	0.26148	1.6	0.00723	0.40	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
320	21.25	21.00	0.26291	1.6	0.00727	0.40	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
321	21.00	20.75	0.26434	1.6	0.00731	0.40	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
322	20.75	20.50	0.26578	1.6	0.00735	0.39	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
323	20.50	20.25	0.26721	1.6	0.00739	0.39	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
324	20.25	20.00	0.26864	1.6	0.00743	0.39	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
325	20.00	19.75	0.27008	1.6	0.00747	0.39	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.007
326	19.75	19.50	0.27151	1.6	0.00751	0.39	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
327	19.50	19.25	0.27294	1.6	0.00755	0.38	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
328	19.25	19.00	0.27438	1.6	0.00759	0.38	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
329	19.00	18.75	0.27581	1.6	0.00763	0.38	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
330	18.75	18.50	0.27724	1.6	0.00767	0.38	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
331	18.50	18.25	0.27886	1.6	0.00771	0.38	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
332	18.25	18.00	0.28029	1.6	0.00775	0.37	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
333	18.00	17.75	0.28172	1.6	0.00779	0.37	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
334	17.75	17.50	0.28316	1.6	0.00783	0.37	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
335	17.50	17.25	0.28459	1.6	0.00787	0.37	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
336	17.25	17.00	0.28602	1.6	0.00791	0.37	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
337	17.00	16.75	0.28746	1.6	0.00795	0.36	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
338	16.75	16.50	0.28889	1.6	0.00799	0.36	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008

339	16.50	16.25	0.29074	1.7	0.00804	0.36	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
340	16.25	16.00	0.29218	1.7	0.00808	0.36	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
341	16.00	15.75	0.29361	1.7	0.00812	0.36	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
342	15.75	15.50	0.29504	1.7	0.00816	0.35	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
343	15.50	15.25	0.29648	1.7	0.00820	0.35	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
344	15.25	15.00	0.29791	1.6	0.00824	0.35	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
345	15.00	14.75	0.29934	1.6	0.00828	0.35	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
346	14.75	14.50	0.30078	1.6	0.00832	0.35	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
347	14.50	14.25	0.30221	1.6	0.00836	0.35	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
348	14.25	14.00	0.30364	1.6	0.00840	0.34	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
349	14.00	13.75	0.30508	1.6	0.00844	0.34	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
350	13.75	13.50	0.30651	1.6	0.00848	0.34	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.008
351	13.50	13.25	0.30794	1.6	0.00852	0.34	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
352	13.25	13.00	0.32354	5.9	0.00895	0.32	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
353	13.00	12.75	0.32497	5.9	0.00899	0.32	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
354	12.75	12.50	0.32640	5.8	0.00903	0.32	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
355	12.50	12.25	0.32784	5.8	0.00907	0.32	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
356	12.25	12.00	0.32927	5.8	0.00911	0.32	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
357	12.00	11.75	0.33070	5.8	0.00915	0.32	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
358	11.75	11.50	0.33214	5.7	0.00919	0.31	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
359	11.50	11.25	0.33357	5.7	0.00923	0.31	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
360	11.25	11.00	0.33500	5.7	0.00927	0.31	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
361	11.00	10.75	0.33644	5.7	0.00930	0.31	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
362	10.75	10.50	0.33787	5.6	0.00934	0.31	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
363	10.50	10.25	0.33930	5.6	0.00938	0.31	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
364	10.25	10.00	0.34074	5.6	0.00942	0.31	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
365	10.00	9.75	0.34217	5.6	0.00946	0.31	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.009
366	9.75	9.50	0.34360	5.5	0.00950	0.30	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.010
367	9.50	9.25	0.34504	5.5	0.00954	0.30	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.010
368	9.25	9.00	0.34647	5.5	0.00958	0.30	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.010
369	9.00	8.75	0.34950	5.9	0.00967	0.30	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.010
370	8.75	8.50	0.35094	5.9	0.00971	0.30	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.010
371	8.50	8.25	0.35237	5.9	0.00975	0.30	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.010
372	8.25	8.00	0.35381	5.8	0.00979	0.30	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.010
373	8.00	7.75	0.88187	62.1	0.02439	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.024
374	7.75	7.50	0.88330	62.0	0.02443	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.024
375	7.50	7.25	0.88473	61.9	0.02447	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.024
376	7.25	7.00	0.88617	61.8	0.02451	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
377	7.00	6.75	0.88760	61.7	0.02455	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
378	6.75	6.50	0.88903	61.6	0.02459	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
379	6.50	6.25	0.89047	61.5	0.02463	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
380	6.25	6.00	0.89190	61.4	0.02467	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
381	6.00	5.75	0.89333	61.3	0.02471	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
382	5.75	5.50	0.89477	61.2	0.02475	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
383	5.50	5.25	0.89620	61.1	0.02479	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
384	5.25	5.00	0.89763	61.0	0.02483	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
385	5.00	4.75	0.89907	60.9	0.02487	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
386	4.75	4.50	0.90050	60.8	0.02491	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
387	4.50	4.25	0.90193	60.7	0.02494	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
388	4.25	4.00	0.90337	60.6	0.02498	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025

389	4.00	3.75	0.90480	60.5	0.02502	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
390	3.75	3.50	0.90623	60.4	0.02506	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
391	3.50	3.25	0.90767	60.3	0.02510	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
392	3.25	3.00	0.90910	60.2	0.02514	0.12	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
393	3.00	2.75	0.91053	60.1	0.02518	0.11	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
394	2.75	2.50	0.91197	60.0	0.02522	0.11	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
395	2.50	2.25	0.91340	59.9	0.02526	0.11	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
396	2.25	2.00	0.91483	59.8	0.02530	0.11	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
397	2.00	1.75	0.91627	59.7	0.02534	0.11	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
398	1.75	1.50	0.91770	59.6	0.02538	0.11	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
399	1.50	1.25	0.91913	59.5	0.02542	0.11	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
400	1.25	1.00	0.92057	59.5	0.02546	0.11	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.025
401	1.00	0.75	2.22438	83.2	0.06152	0.05	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.062
402	0.75	0.50	2.22620	83.1	0.06157	0.05	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.062
403	0.50	0.25	2.22764	83.1	0.06161	0.05	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.062
404	0.25	0.00	2.22907	83.0	0.06165	0.05	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.062
TOT					37.27		1084716.88		935100.00						
AVG				0.0093		1.16	31.17				36.16				
CUM					1677.92										

********** 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 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY *	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	NCM
285	29.750	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00
286	29.500	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
287	29.250	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.00
288	29.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
289	28.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.21	0.00	0.00	0.00	0.00
290	28.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
291	28.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
292	28.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.18	0.00	0.00	0.00	0.00
293	27.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.17	0.00	0.00	0.00	0.00
294	27.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
295	27.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
296	27.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.14	0.00	0.00	0.00	0.00
297	26.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00
298	26.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.41	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
299	26.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
300	26.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00
301	25.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
302	25.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
303	25.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.42	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00
304	25.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00
305	24.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00
306	24.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00
307	24.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
308	24.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.02	0.00	0.00	0.00	0.00
309	23.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00
310	23.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
311	23.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00

312	23.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00
313	22.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
314	22.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.96	0.00	0.00	0.00	0.00
315	22.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00
316	22.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.94	0.00	0.00	0.00	0.00
317	21.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
318	21.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00
319	21.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00
320	21.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00
321	20.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00
322	20.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.88	0.00	0.00	0.00	0.00
323	20.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
324	20.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00
325	19.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
326	19.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
327	19.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.83	0.00	0.00	0.00	0.00
328	19.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00
329	18.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00
330	18.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
331	18.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00
332	18.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
333	17.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
334	17.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00
335	17.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00
336	17.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
337	16.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00
338	16.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00
339	16.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
340	16.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
341	15.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00
342	15.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00
343	15.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00
344	15.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.67	0.00	0.00	0.00	0.00
345	14.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00
346	14.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
347	14.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
348	14.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.00
349	13.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
350	13.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
351	13.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.41	0.00	0.00	0.00	1.60	0.00	0.00	0.00	0.00
352	13.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.40	0.00	0.00	0.00	1.59	0.00	0.00	0.00	0.00
353	12.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
354	12.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
355	12.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00
356	12.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
357	11.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.37	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00
358	11.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.37	0.00	0.00	0.00	1.53	0.00	0.00	0.00	0.00
359	11.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.52	0.00	0.00	0.00	0.00
360	11.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00
361	10.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00

362	10.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00
363	10.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
364	10.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00
365	9.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00
366	9.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.38	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
367	9.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00
368	9.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
369	8.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
370	8.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
371	8.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
372	8.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.39	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
373	7.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.44	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
374	7.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.44	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
375	7.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.44	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
376	7.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
377	6.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
378	6.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
379	6.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
380	6.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
381	5.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
382	5.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
383	5.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
384	5.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
385	4.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
386	4.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
387	4.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
388	4.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
389	3.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
390	3.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
391	3.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
392	3.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
393	2.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
394	2.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.40	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
395	2.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
396	2.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
397	1.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
398	1.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
399	1.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
400	1.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.39	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
401	0.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.36	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
402	0.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.36	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00
403	0.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.36	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
404	0.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.36	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.60	0.17	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/m²/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/m³	PHOS	CHL A	MACRO #/100mL	COLI	NCM
285	29.750	32.00	0.00	0.00	0.00	5.41	6.58	0.00	6.58	0.00	1.29	0.08	0.00	1.36	0.00	49.78	0.00	0.	0.00
286	29.500	32.00	0.00	0.00	0.00	5.16	6.14	0.00	6.14	0.00	1.28	0.08	0.00	1.36	0.00	49.57	0.00	0.	0.00

287	29.250	32.00	0.00	0.00	0.00	5.02	5.76	0.00	5.76	0.00	1.27	0.08	0.00	1.35	0.00	49.35	0.00	0.	0.00
288	29.000	32.00	0.00	0.00	0.00	4.95	5.44	0.00	5.44	0.00	1.26	0.08	0.00	1.34	0.00	49.13	0.00	0.	0.00
289	28.750	32.00	0.00	0.00	0.00	4.93	5.16	0.00	5.16	0.00	1.25	0.08	0.00	1.33	0.00	48.92	0.00	0.	0.00
290	28.500	32.00	0.00	0.00	0.00	4.93	4.92	0.00	4.92	0.00	1.25	0.08	0.00	1.32	0.00	48.70	0.00	0.	0.00
291	28.250	31.99	0.00	0.00	0.00	4.95	4.71	0.00	4.71	0.00	1.24	0.08	0.00	1.32	0.00	48.48	0.00	0.	0.00
292	28.000	31.99	0.00	0.00	0.00	4.94	4.89	0.00	4.89	0.00	1.23	0.09	0.00	1.32	0.00	48.27	0.00	0.	0.00
293	27.750	31.99	0.00	0.00	0.00	4.95	4.69	0.00	4.69	0.00	1.23	0.09	0.00	1.31	0.00	48.05	0.00	0.	0.00
294	27.500	31.99	0.00	0.00	0.00	4.97	4.52	0.00	4.52	0.00	1.22	0.08	0.00	1.30	0.00	47.83	0.00	0.	0.00
295	27.250	31.99	0.00	0.00	0.00	5.00	4.36	0.00	4.36	0.00	1.21	0.08	0.00	1.30	0.00	47.62	0.00	0.	0.00
296	27.000	31.99	0.00	0.00	0.00	5.03	4.23	0.00	4.23	0.00	1.21	0.08	0.00	1.29	0.00	47.40	0.00	0.	0.00
297	26.750	31.99	0.00	0.00	0.00	5.06	4.12	0.00	4.12	0.00	1.20	0.08	0.00	1.28	0.00	47.18	0.00	0.	0.00
298	26.500	31.99	0.00	0.00	0.00	5.09	4.01	0.00	4.01	0.00	1.20	0.08	0.00	1.28	0.00	46.97	0.00	0.	0.00
299	26.250	31.99	0.00	0.00	0.00	5.12	3.93	0.00	3.93	0.00	1.19	0.08	0.00	1.27	0.00	46.75	0.00	0.	0.00
300	26.000	31.99	0.00	0.00	0.00	5.15	3.85	0.00	3.85	0.00	1.18	0.08	0.00	1.26	0.00	46.53	0.00	0.	0.00
301	25.750	31.99	0.00	0.00	0.00	5.17	3.78	0.00	3.78	0.00	1.18	0.08	0.00	1.26	0.00	46.32	0.00	0.	0.00
302	25.500	31.99	0.00	0.00	0.00	5.19	3.73	0.00	3.73	0.00	1.17	0.08	0.00	1.25	0.00	46.10	0.00	0.	0.00
303	25.250	31.98	0.00	0.00	0.00	5.21	3.68	0.00	3.68	0.00	1.17	0.08	0.00	1.24	0.00	45.88	0.00	0.	0.00
304	25.000	31.98	0.00	0.00	0.00	5.22	3.63	0.00	3.63	0.00	1.16	0.07	0.00	1.24	0.00	45.67	0.00	0.	0.00
305	24.750	31.98	0.00	0.00	0.00	5.23	3.59	0.00	3.59	0.00	1.16	0.07	0.00	1.23	0.00	45.45	0.00	0.	0.00
306	24.500	31.98	0.00	0.00	0.00	5.24	3.56	0.00	3.56	0.00	1.15	0.07	0.00	1.23	0.00	45.23	0.00	0.	0.00
307	24.250	31.98	0.00	0.00	0.00	5.25	3.53	0.00	3.53	0.00	1.15	0.07	0.00	1.22	0.00	45.02	0.00	0.	0.00
308	24.000	31.98	0.00	0.00	0.00	5.25	3.50	0.00	3.50	0.00	1.14	0.07	0.00	1.22	0.00	44.80	0.00	0.	0.00
309	23.750	31.98	0.00	0.00	0.00	5.26	3.48	0.00	3.48	0.00	1.14	0.07	0.00	1.21	0.00	44.58	0.00	0.	0.00
310	23.500	31.98	0.00	0.00	0.00	5.26	3.46	0.00	3.46	0.00	1.13	0.07	0.00	1.21	0.00	44.37	0.00	0.	0.00
311	23.250	31.98	0.00	0.00	0.00	5.26	3.44	0.00	3.44	0.00	1.13	0.07	0.00	1.20	0.00	44.15	0.00	0.	0.00
312	23.000	31.98	0.00	0.00	0.00	5.24	3.59	0.00	3.59	0.00	1.13	0.07	0.00	1.20	0.00	43.93	0.00	0.	0.00
313	22.750	31.98	0.00	0.00	0.00	5.22	3.56	0.00	3.56	0.00	1.12	0.07	0.00	1.20	0.00	43.72	0.00	0.	0.00
314	22.500	31.98	0.00	0.00	0.00	5.21	3.53	0.00	3.53	0.00	1.12	0.07	0.00	1.19	0.00	43.50	0.00	0.	0.00
315	22.250	31.97	0.00	0.00	0.00	5.21	3.50	0.00	3.50	0.00	1.11	0.07	0.00	1.19	0.00	43.28	0.00	0.	0.00
316	22.000	31.97	0.00	0.00	0.00	5.20	3.48	0.00	3.48	0.00	1.11	0.07	0.00	1.18	0.00	43.07	0.00	0.	0.00
317	21.750	31.97	0.00	0.00	0.00	5.19	3.46	0.00	3.46	0.00	1.10	0.07	0.00	1.18	0.00	42.85	0.00	0.	0.00
318	21.500	31.97	0.00	0.00	0.00	5.19	3.44	0.00	3.44	0.00	1.10	0.07	0.00	1.17	0.00	42.63	0.00	0.	0.00
319	21.250	31.97	0.00	0.00	0.00	5.18	3.43	0.00	3.43	0.00	1.10	0.07	0.00	1.17	0.00	42.42	0.00	0.	0.00
320	21.000	31.97	0.00	0.00	0.00	5.18	3.41	0.00	3.41	0.00	1.09	0.07	0.00	1.16	0.00	42.20	0.00	0.	0.00
321	20.750	31.97	0.00	0.00	0.00	5.17	3.40	0.00	3.40	0.00	1.09	0.07	0.00	1.16	0.00	41.98	0.00	0.	0.00
322	20.500	31.97	0.00	0.00	0.00	5.16	3.39	0.00	3.39	0.00	1.09	0.07	0.00	1.16	0.00	41.77	0.00	0.	0.00
323	20.250	31.97	0.00	0.00	0.00	5.16	3.38	0.00	3.38	0.00	1.08	0.07	0.00	1.15	0.00	41.55	0.00	0.	0.00
324	20.000	31.97	0.00	0.00	0.00	5.15	3.37	0.00	3.37	0.00	1.08	0.07	0.00	1.15	0.00	41.33	0.00	0.	0.00
325	19.750	31.97	0.00	0.00	0.00	5.14	3.37	0.00	3.37	0.00	1.08	0.07	0.00	1.14	0.00	41.12	0.00	0.	0.00
326	19.500	31.97	0.00	0.00	0.00	5.13	3.36	0.00	3.36	0.00	1.07	0.07	0.00	1.14	0.00	40.90	0.00	0.	0.00
327	19.250	31.96	0.00	0.00	0.00	5.13	3.35	0.00	3.35	0.00	1.07	0.07	0.00	1.14	0.00	40.68	0.00	0.	0.00
328	19.000	31.96	0.00	0.00	0.00	5.12	3.35	0.00	3.35	0.00	1.07	0.07	0.00	1.13	0.00	40.47	0.00	0.	0.00
329	18.750	31.96	0.00	0.00	0.00	5.11	3.34	0.00	3.34	0.00	1.06	0.07	0.00	1.13	0.00	40.25	0.00	0.	0.00
330	18.500	31.96	0.00	0.00	0.00	5.10	3.34	0.00	3.34	0.00	1.06	0.07	0.00	1.13	0.00	40.03	0.00	0.	0.00
331	18.250	31.96	0.00	0.00	0.00	5.08	3.40	0.00	3.40	0.00	1.06	0.07	0.00	1.13	0.00	39.82	0.00	0.	0.00
332	18.000	31.96	0.00	0.00	0.00	5.07	3.39	0.00	3.39	0.00	1.06	0.07	0.00	1.12	0.00	39.60	0.00	0.	0.00
333	17.750	31.96	0.00	0.00	0.00	5.06	3.38	0.00	3.38	0.00	1.05	0.07	0.00	1.12	0.00	39.38	0.00	0.	0.00
334	17.500	31.96	0.00	0.00	0.00	5.05	3.37	0.00	3.37	0.00	1.05	0.07	0.00	1.12	0.00	39.17	0.00	0.	0.00
335	17.250	31.96	0.00	0.00	0.00	5.04	3.36	0.00	3.36	0.00	1.05	0.07	0.00	1.11	0.00	38.95	0.00	0.	0.00
336	17.000	31.96	0.00	0.00	0.00	5.03	3.36	0.00	3.36	0.00	1.04	0.07	0.00	1.11	0.00	38.73	0.00	0.	0.00

337	16.750	31.96	0.00	0.00	0.00	5.02	3.35	0.00	3.35	0.00	1.04	0.07	0.00	1.11	0.00	38.52	0.00	0.	0.00
338	16.500	31.95	0.00	0.00	0.00	5.00	3.35	0.00	3.35	0.00	1.04	0.07	0.00	1.11	0.00	38.30	0.00	0.	0.00
339	16.250	31.95	0.00	0.00	0.00	4.99	3.43	0.00	3.43	0.00	1.04	0.07	0.00	1.10	0.00	38.08	0.00	0.	0.00
340	16.000	31.95	0.00	0.00	0.00	4.97	3.42	0.00	3.42	0.00	1.03	0.07	0.00	1.10	0.00	37.87	0.00	0.	0.00
341	15.750	31.95	0.00	0.00	0.00	4.96	3.41	0.00	3.41	0.00	1.03	0.07	0.00	1.10	0.00	37.65	0.00	0.	0.00
342	15.500	31.95	0.00	0.00	0.00	4.94	3.40	0.00	3.40	0.00	1.03	0.07	0.00	1.10	0.00	37.43	0.00	0.	0.00
343	15.250	31.95	0.00	0.00	0.00	4.93	3.39	0.00	3.39	0.00	1.03	0.07	0.00	1.09	0.00	37.22	0.00	0.	0.00
344	15.000	31.95	0.00	0.00	0.00	4.92	3.38	0.00	3.38	0.00	1.03	0.07	0.00	1.09	0.00	37.00	0.00	0.	0.00
345	14.750	31.95	0.00	0.00	0.00	4.91	3.37	0.00	3.37	0.00	1.02	0.07	0.00	1.09	0.00	36.78	0.00	0.	0.00
346	14.500	31.95	0.00	0.00	0.00	4.90	3.37	0.00	3.37	0.00	1.02	0.07	0.00	1.09	0.00	36.57	0.00	0.	0.00
347	14.250	31.95	0.00	0.00	0.00	4.89	3.36	0.00	3.36	0.00	1.02	0.07	0.00	1.08	0.00	36.35	0.00	0.	0.00
348	14.000	31.95	0.00	0.00	0.00	4.88	3.36	0.00	3.36	0.00	1.02	0.07	0.00	1.08	0.00	36.13	0.00	0.	0.00
349	13.750	31.95	0.00	0.00	0.00	4.87	3.35	0.00	3.35	0.00	1.01	0.07	0.00	1.08	0.00	35.92	0.00	0.	0.00
350	13.500	31.94	0.00	0.00	0.00	4.86	3.35	0.00	3.35	0.00	1.01	0.07	0.00	1.08	0.00	35.70	0.00	0.	0.00
351	13.250	31.94	0.00	0.00	0.00	4.85	3.34	0.00	3.34	0.00	1.01	0.07	0.00	1.08	0.00	35.48	0.00	0.	0.00
352	13.000	31.94	0.00	0.00	0.00	4.33	5.50	0.00	5.50	0.00	1.03	0.84	0.00	1.86	0.00	35.27	0.00	0.	0.00
353	12.750	31.94	0.00	0.00	0.00	3.98	5.31	0.00	5.31	0.00	1.02	0.75	0.00	1.77	0.00	35.05	0.00	0.	0.00
354	12.500	31.94	0.00	0.00	0.00	3.74	5.13	0.00	5.13	0.00	1.02	0.67	0.00	1.69	0.00	34.83	0.00	0.	0.00
355	12.250	31.94	0.00	0.00	0.00	3.59	4.96	0.00	4.96	0.00	1.02	0.60	0.00	1.62	0.00	34.62	0.00	0.	0.00
356	12.000	31.94	0.00	0.00	0.00	3.51	4.81	0.00	4.81	0.00	1.02	0.55	0.00	1.56	0.00	34.40	0.00	0.	0.00
357	11.750	31.94	0.00	0.00	0.00	3.47	4.68	0.00	4.68	0.00	1.02	0.49	0.00	1.51	0.00	34.18	0.00	0.	0.00
358	11.500	31.94	0.00	0.00	0.00	3.47	4.56	0.00	4.56	0.00	1.01	0.45	0.00	1.46	0.00	33.97	0.00	0.	0.00
359	11.250	31.94	0.00	0.00	0.00	3.49	4.45	0.00	4.45	0.00	1.01	0.41	0.00	1.42	0.00	33.75	0.00	0.	0.00
360	11.000	31.94	0.00	0.00	0.00	3.52	4.35	0.00	4.35	0.00	1.01	0.37	0.00	1.38	0.00	33.53	0.00	0.	0.00
361	10.750	31.94	0.00	0.00	0.00	3.57	4.26	0.00	4.26	0.00	1.01	0.34	0.00	1.34	0.00	33.32	0.00	0.	0.00
362	10.500	31.93	0.00	0.00	0.00	3.62	4.17	0.00	4.17	0.00	1.01	0.31	0.00	1.31	0.00	33.10	0.00	0.	0.00
363	10.250	31.93	0.00	0.00	0.00	3.68	4.10	0.00	4.10	0.00	1.00	0.28	0.00	1.28	0.00	32.88	0.00	0.	0.00
364	10.000	31.93	0.00	0.00	0.00	3.73	4.03	0.00	4.03	0.00	1.00	0.26	0.00	1.26	0.00	32.67	0.00	0.	0.00
365	9.750	31.93	0.00	0.00	0.00	3.79	3.97	0.00	3.97	0.00	1.00	0.24	0.00	1.24	0.00	32.45	0.00	0.	0.00
366	9.500	31.93	0.00	0.00	0.00	3.84	3.91	0.00	3.91	0.00	1.00	0.22	0.00	1.22	0.00	32.23	0.00	0.	0.00
367	9.250	31.93	0.00	0.00	0.00	3.90	3.86	0.00	3.86	0.00	1.00	0.20	0.00	1.20	0.00	32.02	0.00	0.	0.00
368	9.000	31.93	0.00	0.00	0.00	3.94	3.81	0.00	3.81	0.00	1.00	0.19	0.00	1.18	0.00	31.80	0.00	0.	0.00
369	8.750	31.93	0.00	0.00	0.00	3.99	3.86	0.00	3.86	0.00	1.00	0.18	0.00	1.18	0.00	31.58	0.00	0.	0.00
370	8.500	31.93	0.00	0.00	0.00	4.02	3.81	0.00	3.81	0.00	0.99	0.17	0.00	1.16	0.00	31.37	0.00	0.	0.00
371	8.250	31.93	0.00	0.00	0.00	4.05	3.77	0.00	3.77	0.00	0.99	0.16	0.00	1.15	0.00	31.15	0.00	0.	0.00
372	8.000	31.93	0.00	0.00	0.00	4.08	3.74	0.00	3.74	0.00	0.99	0.15	0.00	1.14	0.00	30.93	0.00	0.	0.00
373	7.750	31.93	0.00	0.00	0.00	7.50	5.72	0.00	5.72	0.00	1.23	0.12	0.00	1.35	0.00	30.72	0.00	0.	0.00
374	7.500	31.92	0.00	0.00	0.00	7.17	5.64	0.00	5.64	0.00	1.23	0.11	0.00	1.35	0.00	30.50	0.00	0.	0.00
375	7.250	31.92	0.00	0.00	0.00	6.86	5.55	0.00	5.55	0.00	1.23	0.11	0.00	1.34	0.00	30.28	0.00	0.	0.00
376	7.000	31.92	0.00	0.00	0.00	6.59	5.47	0.00	5.47	0.00	1.23	0.11	0.00	1.34	0.00	30.07	0.00	0.	0.00
377	6.750	31.92	0.00	0.00	0.00	6.34	5.40	0.00	5.40	0.00	1.23	0.11	0.00	1.34	0.00	29.85	0.00	0.	0.00
378	6.500	31.92	0.00	0.00	0.00	6.12	5.33	0.00	5.33	0.00	1.23	0.11	0.00	1.33	0.00	29.63	0.00	0.	0.00
379	6.250	31.92	0.00	0.00	0.00	5.91	5.26	0.00	5.26	0.00	1.22	0.10	0.00	1.33	0.00	29.42	0.00	0.	0.00
380	6.000	31.92	0.00	0.00	0.00	5.72	5.19	0.00	5.19	0.00	1.22	0.10	0.00	1.33	0.00	29.20	0.00	0.	0.00
381	5.750	31.92	0.00	0.00	0.00	5.55	5.12	0.00	5.12	0.00	1.22	0.10	0.00	1.32	0.00	28.98	0.00	0.	0.00
382	5.500	31.92	0.00	0.00	0.00	5.40	5.06	0.00	5.06	0.00	1.22	0.10	0.00	1.32	0.00	28.77	0.00	0.	0.00
383	5.250	31.92	0.00	0.00	0.00	5.26	5.00	0.00	5.00	0.00	1.22	0.10	0.00	1.32	0.00	28.55	0.00	0.	0.00
384	5.000	31.92	0.00	0.00	0.00	5.13	4.94	0.00	4.94	0.00	1.22	0.10	0.00	1.31	0.00	28.33	0.00	0.	0.00
385	4.750	31.92	0.00	0.00	0.00	5.02	4.88	0.00	4.88	0.00	1.21	0.10	0.00	1.31	0.00	28.12	0.00	0.	0.00
386	4.500	31.91	0.00	0.00	0.00	4.91	4.83	0.00	4.83	0.00	1.21	0.10	0.00	1.31	0.00	27.90	0.00	0.	0.00

387	4.250	31.91	0.00	0.00	0.00	4.81	4.78	0.00	4.78	0.00	1.21	0.10	0.00	1.31	0.00	27.68	0.00	0.	0.00
388	4.000	31.91	0.00	0.00	0.00	4.73	4.73	0.00	4.73	0.00	1.21	0.09	0.00	1.30	0.00	27.47	0.00	0.	0.00
389	3.750	31.91	0.00	0.00	0.00	4.65	4.68	0.00	4.68	0.00	1.21	0.09	0.00	1.30	0.00	27.25	0.00	0.	0.00
390	3.500	31.91	0.00	0.00	0.00	4.58	4.63	0.00	4.63	0.00	1.21	0.09	0.00	1.30	0.00	27.03	0.00	0.	0.00
391	3.250	31.91	0.00	0.00	0.00	4.51	4.59	0.00	4.59	0.00	1.20	0.09	0.00	1.30	0.00	26.82	0.00	0.	0.00
392	3.000	31.91	0.00	0.00	0.00	4.45	4.54	0.00	4.54	0.00	1.20	0.09	0.00	1.29	0.00	26.60	0.00	0.	0.00
393	2.750	31.91	0.00	0.00	0.00	4.40	4.50	0.00	4.50	0.00	1.20	0.09	0.00	1.29	0.00	26.38	0.00	0.	0.00
394	2.500	31.91	0.00	0.00	0.00	4.35	4.46	0.00	4.46	0.00	1.20	0.09	0.00	1.29	0.00	26.17	0.00	0.	0.00
395	2.250	31.91	0.00	0.00	0.00	4.30	4.42	0.00	4.42	0.00	1.20	0.09	0.00	1.29	0.00	25.95	0.00	0.	0.00
396	2.000	31.91	0.00	0.00	0.00	4.26	4.38	0.00	4.38	0.00	1.20	0.09	0.00	1.29	0.00	25.73	0.00	0.	0.00
397	1.750	31.91	0.00	0.00	0.00	4.23	4.35	0.00	4.35	0.00	1.20	0.09	0.00	1.28	0.00	25.52	0.00	0.	0.00
398	1.500	31.90	0.00	0.00	0.00	4.19	4.31	0.00	4.31	0.00	1.19	0.09	0.00	1.28	0.00	25.30	0.00	0.	0.00
399	1.250	31.90	0.00	0.00	0.00	4.16	4.28	0.00	4.28	0.00	1.19	0.09	0.00	1.28	0.00	25.08	0.00	0.	0.00
400	1.000	31.90	0.00	0.00	0.00	4.13	4.25	0.00	4.25	0.00	1.19	0.09	0.00	1.28	0.00	24.87	0.00	0.	0.00
401	0.750	31.90	0.00	0.00	0.00	3.04	7.21	0.00	7.21	0.00	1.45	0.12	0.00	1.56	0.00	24.65	0.00	0.	0.00
402	0.500	31.90	0.00	0.00	0.00	3.03	7.17	0.00	7.17	0.00	1.45	0.12	0.00	1.56	0.00	24.43	0.00	0.	0.00
403	0.250	31.90	0.00	0.00	0.00	3.01	7.12	0.00	7.12	0.00	1.44	0.12	0.00	1.56	0.00	24.22	0.00	0.	0.00
404	0.000	31.90	0.00	0.00	0.00	3.00	7.06	0.00	7.06	0.00	1.44	0.12	0.00	1.56	0.00	24.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL calibration for Gulf ICWW and Bayou Black
Bayou Black FTN Field Survey calibration

TRAVEL TIME = 1677.92 DAYS
MAXIMUM EFFLUENT = 83.15 PERCENT
FLOW = 0.01100 TO 2.22907 m^3/s
DISPERSION = 0.0000 TO 0.2000 m^2/s
VELOCITY = 0.00001 TO 0.06165 m/s
DEPTH = 1.16 TO 4.57 m
WIDTH = 31.17 TO 196.71 m
BOD DECAY = 0.26 TO 0.29 per day
NH3 DECAY = 0.36 TO 0.45 per day
SOD = 1.49 TO 2.77 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.19 TO 0.75 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.03 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 31.90 TO 32.10 deg C
DISSOLVED OXYGEN = 3.00 TO 10.89 mg/L

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration
REACH SUMMARY REPORT FOR ICWW

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	AVG EOR cfs	AVG VELO fps	FLOW AT ft	AVERAGE DEPTH ft	AVG WIDTH	AVG
1	Gulf ICWW	94.00	84.50	9.50	289.87	1.25500	0.00038	9.300	182.49	44.314	0.001	30.513	598.75		
2	Gulf ICWW	84.50	71.50	13.00	23.52	15.09647	0.00640	13.350	209.06	533.056	0.021	43.801	685.93		
3	Gulf ICWW	71.50	62.00	9.50	30.46	31.01032	0.00361	12.770	395.30	1094.974	0.012	41.898	1296.98		
4	Gulf ICWW	62.00	38.00	24.00	20.61	12.72698	0.01348	12.190	190.00	449.390	0.044	39.995	623.39		
8	Gulf ICWW	38.00	0.00	38.00	46.11	23.56676	0.00954	12.800	155.80	832.142	0.031	41.997	511.18		

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

REACH SUMMARY REPORT FOR Bayou Black

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
5	Bayou Black	45.00	38.75	6.25	1616.76	0.10700	0.00004	4.570	196.71	3.778	0.000	14.994	645.41
6	Bayou Black	38.75	30.00	8.75	23.89	0.20868	0.00424	1.160	31.17	7.368	0.014	3.806	102.27
7	Bayou Black	30.00	0.00	30.00	37.27	2.22907	0.00932	1.160	31.17	78.708	0.031	3.806	102.27

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE IN	BOD1 DECA	NH3-N DECA	ORG-N DECA	NCM DECA	SOD BKGD	SOD BOD1	SOD ALG	SOD NCM	ALG PHOT	ALG RESP	MAC PHOT	TOT OUT	TOT IN
1	148.	0.	-160.	0.	0.	3.	16.	0.	0.	0.	0.	32.	-257.	-59.	0.	0.	-92.	0.	0.	0.	369.	0.	0.	-568.3	568.3	0.00
2	160.	0.	-175.	-3.	0.	5.	16.	0.	0.	0.	0.	32.	-253.	-59.	0.	0.	-93.	0.	0.	0.	370.	0.	0.	-583.4	583.4	0.00
3	175.	0.	-191.	-5.	0.	6.	16.	0.	0.	0.	0.	31.	-251.	-59.	0.	0.	-93.	0.	0.	0.	370.	0.	0.	-599.4	599.4	0.00
4	191.	0.	-206.	-6.	0.	7.	16.	0.	0.	0.	0.	31.	-250.	-60.	0.	0.	-93.	0.	0.	0.	370.	0.	0.	-614.5	614.5	0.00
5	206.	0.	-221.	-7.	0.	6.	16.	0.	0.	0.	0.	30.	-249.	-60.	0.	0.	-93.	0.	0.	0.	371.	0.	0.	-629.3	629.3	0.00
6	221.	0.	-237.	-6.	0.	6.	16.	0.	0.	0.	0.	29.	-248.	-60.	0.	0.	-93.	0.	0.	0.	371.	0.	0.	-644.1	644.0	-0.01
7	237.	0.	-252.	-6.	0.	5.	16.	0.	0.	0.	0.	29.	-248.	-60.	0.	0.	-93.	0.	0.	0.	372.	0.	0.	-658.8	658.8	-0.01
8	252.	0.	-268.	-5.	0.	4.	16.	0.	0.	0.	0.	28.	-247.	-60.	0.	0.	-93.	0.	0.	0.	372.	0.	0.	-673.6	673.6	-0.01
9	268.	0.	-283.	-4.	0.	4.	16.	0.	0.	0.	0.	28.	-247.	-60.	0.	0.	-93.	0.	0.	0.	372.	0.	0.	-688.5	688.5	-0.01
10	283.	0.	-299.	-4.	0.	3.	16.	0.	0.	0.	0.	28.	-247.	-60.	0.	0.	-94.	0.	0.	0.	373.	0.	0.	-703.5	703.5	-0.01
11	299.	0.	-314.	-3.	0.	3.	16.	0.	0.	0.	0.	27.	-247.	-60.	0.	0.	-94.	0.	0.	0.	373.	0.	0.	-718.6	718.5	-0.02
12	314.	0.	-330.	-3.	0.	3.	16.	0.	0.	0.	0.	27.	-247.	-60.	0.	0.	-94.	0.	0.	0.	373.	0.	0.	-733.7	733.7	-0.02
13	330.	0.	-345.	-3.	0.	2.	16.	0.	0.	0.	0.	27.	-247.	-60.	0.	0.	-94.	0.	0.	0.	374.	0.	0.	-748.9	748.9	-0.02
14	345.	0.	-361.	-2.	0.	2.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-94.	0.	0.	0.	374.	0.	0.	-764.2	764.2	-0.02
15	361.	0.	-376.	-2.	0.	2.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-94.	0.	0.	0.	374.	0.	0.	-779.5	779.4	-0.03
16	376.	0.	-392.	-2.	0.	1.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-94.	0.	0.	0.	375.	0.	0.	-794.7	794.7	-0.03
17	392.	0.	-407.	-1.	0.	1.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-94.	0.	0.	0.	375.	0.	0.	-810.0	810.0	-0.03
18	407.	0.	-422.	-1.	0.	1.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-95.	0.	0.	0.	376.	0.	0.	-825.2	825.2	-0.03
19	422.	0.	-438.	-1.	0.	0.	16.	0.	0.	0.	0.	25.	-247.	-60.	0.	0.	-95.	0.	0.	0.	376.	0.	0.	-840.4	840.3	-0.03
20	438.	0.	-453.	0.	0.	0.	16.	0.	0.	0.	0.	25.	-247.	-60.	0.	0.	-95.	0.	0.	0.	376.	0.	0.	-855.7	855.7	-0.04
21	453.	0.	-468.	0.	0.	-1.	16.	0.	0.	0.	0.	25.	-247.	-60.	0.	0.	-95.	0.	0.	0.	377.	0.	0.	-871.6	871.6	-0.04
22	468.	0.	-483.	1.	0.	-2.	16.	0.	0.	0.	0.	25.	-247.	-60.	0.	0.	-95.	0.	0.	0.	377.	0.	0.	-887.9	887.9	-0.04
23	483.	0.	-498.	2.	0.	-3.	16.	0.	0.	0.	0.	25.	-247.	-61.	0.	0.	-95.	0.	0.	0.	377.	0.	0.	-904.5	904.4	-0.04
24	498.	0.	-513.	3.	0.	-5.	16.	0.	0.	0.	0.	25.	-247.	-61.	0.	0.	-95.	0.	0.	0.	378.	0.	0.	-921.3	921.3	-0.04
25	513.	0.	-527.	5.	0.	-8.	16.	0.	0.	0.	0.	26.	-247.	-61.	0.	0.	-95.	0.	0.	0.	378.	0.	0.	-938.5	938.5	-0.04
26	527.	0.	-541.	8.	0.	-11.	16.	0.	0.	0.	0.	26.	-247.	-61.	0.	0.	-96.	0.	0.	0.	378.	0.	0.	-956.3	956.2	-0.04
27	541.	0.	-555.	11.	0.	-16.	16.	0.	0.	0.	0.	27.	-248.	-61.	0.	0.	-96.	0.	0.	0.	379.	0.	0.	-974.7	974.7	-0.05
28	555.	0.	-567.	16.	0.	-22.	16.	0.	0.	0.	0.	28.	-248.	-61.	0.	0.	-96.	0.	0.	0.	379.	0.	0.	-994.2	994.1	-0.05
29	567.	0.	-579.	22.	0.	-30.	16.	0.	0.	0.	0.	30.	-248.	-61.	0.	0.	-96.	0.	0.	0.	380.	0.	0.	-1014.8	1014.8	-0.05
30	579.	0.	-589.	30.	0.	-41.	16.	0.	0.	0.	0.	32.	-249.	-62.	0.	0.	-96.	0.	0.	0.	380.	0.	0.	-1037.1	1037.1	-0.05
31	589.	0.	-596.	41.	0.	-56.	16.	0.	0.	0.	0.	35.	-251.	-62.	0.	0.	-96.	0.	0.	0.	380.	0.	0.	-1061.4	1061.4	-0.04
32	596.	0.	-601.	56.	0.	-75.	16.	0.	0.	0.	0.	39.	-254.	-62.	0.	0.	-96.	0.	0.	0.	381.	0.	0.	-1088.2	1088.1	-0.04
33	601.	0.	-602.	75.	0.	-99.	16.	0.	0.	0.	0.	44.	-258.	-63.	0.	0.	-96.	0.	0.	0.	381.	0.	0.	-1117.7	1117.7	-0.04
34	602.	0.	-597.	99.	0.	-128.	16.	0.	0.	0.	0.	52.	-266.	-63.	0.	0.	-97.	0.	0.	0.	381.	0.	0.	-1150.0	1149.9	-0.03
35	597.	0.	-586.	128.	0.	-159.	16.	0.	0.	0.	0.	61.	-279.	-63.	0.	0.	-97.	0.	0.	0.	382.	0.	0.	-1184.0	1184.0	-0.01
36	586.	0.	-568.	159.	0.	-189.	16.	0.	0.	0.	0.	73.	-301.	-62.	0.	0.	-97.	0.	0.	0.	382.	0.	0.	-1217.2	1217.2	0.01
37	568.	0.	-542.	189.	0.	-203.	16.	0.	0.	0.	0.	87.	-339.	-61.	0.	0.	-97.	0.	0.	0.	382.	0.	0.	-1243.0	1243.0	0.03
38	542.	0.	-512.	203.	0.	-176.	16.	0.	0.	0.	0.	103.	-405.	-57.	0.	0.	-97.	0.	0.	0.	383.	0.	0.	-1247.7	1247.7	0.06
39	512.	0.	-18591.	176.	0.	-30.	10.	0.	0.	18212.	0.	133.	-859.	-82.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-19673.3	19673.4	0.14
40	18591.	0.	-18334.	30.	0.	-28.	10.	0.	0.	0.	0.	136.	-841.	-83.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-19397.4	19397.5	0.15

41	18334.	0.	-18094.	28.	0.	-26.	10.	0.	0.	0.	0.	139.	-824.	-85.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-19140.4	19140.5	0.16
42	18094.	0.	-17872.	26.	0.	-24.	10.	0.	0.	0.	0.	141.	-808.	-86.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18901.5	18901.6	0.17
43	17872.	0.	-17667.	24.	0.	-22.	10.	0.	0.	0.	0.	144.	-792.	-87.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18679.8	18680.0	0.18
44	17667.	0.	-17477.	22.	0.	-20.	10.	0.	0.	0.	0.	146.	-778.	-88.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18474.6	18474.8	0.19
45	17477.	0.	-17302.	20.	0.	-19.	10.	0.	0.	0.	0.	148.	-763.	-89.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18285.1	18285.3	0.20
46	17302.	0.	-17142.	19.	0.	-17.	10.	0.	0.	0.	0.	149.	-750.	-90.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18110.6	18110.8	0.21
47	17142.	0.	-16996.	17.	0.	-16.	10.	0.	0.	0.	0.	151.	-737.	-91.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17950.5	17950.7	0.21
48	16996.	0.	-16862.	16.	0.	-14.	10.	0.	0.	0.	0.	152.	-724.	-92.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17804.0	17804.2	0.22
49	16862.	0.	-16741.	14.	0.	-13.	10.	0.	0.	0.	0.	154.	-712.	-93.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17670.5	17670.7	0.22
50	16741.	0.	-16632.	13.	0.	-12.	10.	0.	0.	0.	0.	155.	-700.	-94.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17549.4	17549.7	0.24
51	16632.	0.	-16534.	12.	0.	-10.	10.	0.	0.	0.	0.	156.	-689.	-95.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17440.2	17440.4	0.24
52	16534.	0.	-16447.	10.	0.	-9.	10.	0.	0.	0.	0.	157.	-679.	-95.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17342.2	17342.5	0.25
53	16447.	0.	-16371.	9.	0.	-8.	10.	0.	0.	0.	0.	158.	-669.	-96.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17255.0	17255.3	0.25
54	16371.	0.	-16304.	8.	0.	-7.	10.	0.	0.	0.	0.	159.	-659.	-97.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17178.0	17178.3	0.26
55	16304.	0.	-16246.	7.	0.	-6.	10.	0.	0.	0.	0.	159.	-649.	-97.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-17110.8	17111.1	0.26
56	16246.	0.	-16198.	6.	0.	-5.	10.	0.	0.	0.	0.	160.	-640.	-98.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-17052.9	17053.1	0.26
57	16198.	0.	-4245.	5.	0.	-5.	10.	0.	0.	0.******		160.	-630.	-99.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-17003.9	17004.2	0.27
58	4245.	0.	-4239.	5.	0.	4.	10.	0.	0.	0.	0.	161.	-603.	-101.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5055.0	5055.3	0.27
59	4239.	0.	-4254.	-4.	0.	11.	10.	0.	0.	0.	0.	160.	-580.	-102.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5051.5	5051.8	0.27

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

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
60	4254.	0.	-4284.	-11.	0.	17.	10.	0.	0.	0.	0.	159.	-560.	-104.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5070.6	5070.8	0.26
61	4284.	0.	-4329.	-17.	0.	21.	10.	0.	0.	0.	0.	158.	-542.	-105.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5104.5	5104.7	0.26
62	4329.	0.	-4384.	-21.	0.	25.	10.	0.	0.	0.	0.	156.	-527.	-106.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5150.7	5150.9	0.25
63	4384.	0.	-4449.	-25.	0.	28.	10.	0.	0.	0.	0.	153.	-514.	-107.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5207.0	5207.2	0.24
64	4449.	0.	-4521.	-28.	0.	31.	10.	0.	0.	0.	0.	151.	-503.	-107.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5271.6	5271.8	0.22
65	4521.	0.	-4599.	-31.	0.	33.	10.	0.	0.	0.	0.	148.	-493.	-108.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5342.8	5343.0	0.21
66	4599.	0.	-4682.	-33.	0.	34.	10.	0.	0.	0.	0.	145.	-485.	-108.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5419.3	5419.5	0.19
67	4682.	0.	-4769.	-34.	0.	35.	10.	0.	0.	0.	0.	141.	-477.	-108.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5500.1	5500.3	0.18
68	4769.	0.	-4858.	-35.	0.	36.	10.	0.	0.	0.	0.	138.	-471.	-108.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5584.0	5584.2	0.16
69	4858.	0.	-4949.	-36.	0.	37.	10.	0.	0.	0.	0.	135.	-466.	-108.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5670.4	5670.6	0.14
70	4949.	0.	-5042.	-37.	0.	37.	10.	0.	0.	0.	0.	131.	-461.	-108.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5758.5	5758.7	0.13
71	5042.	0.	-5135.	-37.	0.	37.	10.	0.	0.	0.	0.	128.	-457.	-108.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5847.8	5847.9	0.11
72	5135.	0.	-5229.	-37.	0.	37.	10.	0.	0.	0.	0.	124.	-453.	-107.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5937.7	5937.8	0.10
73	5229.	0.	-5323.	-37.	0.	37.	10.	0.	0.	0.	0.	121.	-450.	-107.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6027.9	6028.0	0.08
74	5323.	0.	-5416.	-37.	0.	36.	10.	0.	0.	0.	0.	117.	-447.	-106.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6118.0	6118.0	0.07
75	5416.	0.	-5509.	-36.	0.	36.	10.	0.	0.	0.	0.	114.	-445.	-106.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6207.7	6207.7	0.06
76	5509.	0.	-5601.	-36.	0.	35.	10.	0.	0.	0.	0.	111.	-443.	-105.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6296.8	6296.8	0.04
77	5601.	0.	-5692.	-35.	0.	35.	10.	0.	0.	0.	0.	107.	-441.	-105.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6385.1	6385.1	0.03
78	5692.	0.	-5782.	-35.	0.	34.	10.	0.	0.	0.	0.	104.	-440.	-104.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6472.4	6472.4	0.02
79	5782.	0.	-5871.	-34.	0.	34.	10.	0.	0.	0.	0.	101.	-438.	-103.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6558.7	6558.7	0.01
80	5871.	0.	-5959.	-34.	0.	33.	10.	0.	0.	0.	0.	98.	-437.	-103.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6643.7	6643.7	0.00
81	5959.	0.	-6045.	-33.	0.	32.	10.	0.	0.	0.	0.	94.	-436.	-102.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6727.5	6727.5	-0.01
82	6045.	0.	-6129.	-32.	0.	31.	10.	0.	0.	0.	0.	91.	-435.	-101.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6809.9	6809.8	-0.02
83	6129.	0.	-6213.	-31.	0.	31.	10.	0.	0.	0.	0.	88.	-434.	-100.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6890.8	6890.8	-0.03
84	6213.	0.	-6294.	-31.	0.	30.	10.	0.	0.	0.	0.	85.	-434.	-100.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6970.2	6970.1	-0.04
85	6294.	0.	-6373.	-30.	0.	29.	10.	0.	0.	0.	0.	83.	-433.	-99.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-7047.7	7047.6	-0.05
86	6373.	0.	-6450.	-29.	0.	27.	10.	0.	0.	0.	0.	80.	-434.	-98.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-7122.9	7122.8	-0.05
87	6450.	0.	-6523.	-27.	0.	26.	10.	0.	0.	0.	0.	77.	-436.	-98.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-7196.0	7195.9	-0.06

88	6523.	0.	-6593.	-26.	0.	34.	10.	0.	0.	0.	0.	75.	-447.	-97.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-7274.8	7274.8	-0.07
89	6593.	0.	-7453.	-34.	0.	-11.	10.	0.	0.	888.	0.	72.	-490.	-96.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-8195.9	8195.8	-0.08
90	7453.	0.	-7432.	11.	0.	-58.	10.	0.	0.	0.	0.	73.	-482.	-95.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-8179.8	8179.7	-0.07
91	7432.	0.	-7289.	58.	0.	-52.	10.	0.	0.	0.	0.	147.	-858.	-170.	0.	0.	-424.	0.	0.	0.	1144.	0.	0.	-8792.4	8792.3	-0.11
92	7289.	0.	-7168.	52.	0.	-45.	10.	0.	0.	0.	0.	156.	-846.	-169.	0.	0.	-424.	0.	0.	0.	1145.	0.	0.	-8651.5	8651.4	-0.09
93	7168.	0.	-7064.	45.	0.	-39.	10.	0.	0.	0.	0.	163.	-837.	-168.	0.	0.	-424.	0.	0.	0.	1145.	0.	0.	-8531.2	8531.1	-0.08
94	7064.	0.	-6975.	39.	0.	-34.	10.	0.	0.	0.	0.	170.	-829.	-167.	0.	0.	-424.	0.	0.	0.	1145.	0.	0.	-8428.1	8428.0	-0.07
95	6975.	0.	-6897.	34.	0.	-30.	10.	0.	0.	0.	0.	175.	-823.	-166.	0.	0.	-424.	0.	0.	0.	1145.	0.	0.	-8339.4	8339.3	-0.05
96	6897.	0.	-6830.	30.	0.	-26.	10.	0.	0.	0.	0.	180.	-818.	-165.	0.	0.	-424.	0.	0.	0.	1146.	0.	0.	-8262.8	8262.8	-0.05
97	6830.	0.	-6771.	26.	0.	-23.	10.	0.	0.	0.	0.	184.	-814.	-164.	0.	0.	-424.	0.	0.	0.	1146.	0.	0.	-8196.5	8196.5	-0.04
98	6771.	0.	-6720.	23.	0.	-21.	10.	0.	0.	0.	0.	188.	-810.	-163.	0.	0.	-425.	0.	0.	0.	1146.	0.	0.	-8139.0	8138.9	-0.03
99	6720.	0.	-6675.	21.	0.	-18.	10.	0.	0.	0.	0.	191.	-808.	-163.	0.	0.	-425.	0.	0.	0.	1146.	0.	0.	-8088.9	8088.8	-0.03
100	6675.	0.	-6636.	18.	0.	-16.	10.	0.	0.	0.	0.	194.	-806.	-162.	0.	0.	-425.	0.	0.	0.	1147.	0.	0.	-8045.2	8045.1	-0.02
101	6636.	0.	-6602.	16.	0.	-15.	10.	0.	0.	0.	0.	197.	-804.	-162.	0.	0.	-425.	0.	0.	0.	1147.	0.	0.	-8007.0	8007.0	-0.02
102	6602.	0.	-6572.	15.	0.	-13.	10.	0.	0.	0.	0.	200.	-802.	-161.	0.	0.	-425.	0.	0.	0.	1147.	0.	0.	-7973.7	7973.7	-0.01
103	6572.	0.	-6546.	13.	0.	-12.	10.	0.	0.	0.	0.	202.	-801.	-161.	0.	0.	-425.	0.	0.	0.	1148.	0.	0.	-7944.6	7944.6	-0.01
104	6546.	0.	-6523.	12.	0.	-11.	10.	0.	0.	0.	0.	204.	-800.	-160.	0.	0.	-425.	0.	0.	0.	1148.	0.	0.	-7919.2	7919.2	-0.01
105	6523.	0.	-6503.	11.	0.	-10.	10.	0.	0.	0.	0.	205.	-800.	-160.	0.	0.	-426.	0.	0.	0.	1148.	0.	0.	-7897.0	7897.0	-0.01
106	6503.	0.	-6485.	10.	0.	-9.	10.	0.	0.	0.	0.	207.	-799.	-159.	0.	0.	-426.	0.	0.	0.	1148.	0.	0.	-7877.7	7877.7	-0.01
107	6485.	0.	-6470.	9.	0.	-8.	10.	0.	0.	0.	0.	208.	-798.	-159.	0.	0.	-426.	0.	0.	0.	1149.	0.	0.	-7861.1	7861.1	0.00
108	6470.	0.	-6457.	8.	0.	-7.	10.	0.	0.	0.	0.	210.	-798.	-158.	0.	0.	-426.	0.	0.	0.	1149.	0.	0.	-7846.7	7846.7	0.00
109	6457.	0.	-6446.	7.	0.	-6.	10.	0.	0.	0.	0.	211.	-798.	-158.	0.	0.	-426.	0.	0.	0.	1149.	0.	0.	-7834.5	7834.4	0.00
110	6446.	0.	-6437.	6.	0.	-6.	10.	0.	0.	0.	0.	212.	-797.	-158.	0.	0.	-426.	0.	0.	0.	1150.	0.	0.	-7824.1	7824.1	0.00
111	6437.	0.	-6429.	6.	0.	-5.	10.	0.	0.	0.	0.	213.	-797.	-157.	0.	0.	-426.	0.	0.	0.	1150.	0.	0.	-7815.4	7815.4	0.00
112	6429.	0.	-6422.	5.	0.	-5.	10.	0.	0.	0.	0.	213.	-797.	-157.	0.	0.	-427.	0.	0.	0.	1150.	0.	0.	-7808.3	7808.2	0.00
113	6422.	0.	-6416.	5.	0.	-5.	10.	0.	0.	0.	0.	214.	-798.	-156.	0.	0.	-427.	0.	0.	0.	1150.	0.	0.	-7802.4	7802.4	0.00
114	6416.	0.	-6410.	5.	0.	-1.	10.	0.	0.	0.	0.	215.	-803.	-156.	0.	0.	-427.	0.	0.	0.	1151.	0.	0.	-7796.8	7796.8	-0.01
115	6410.	0.	-6415.	1.	0.	36.	10.	0.	0.	0.	0.	215.	-824.	-156.	0.	0.	-427.	0.	0.	0.	1151.	0.	0.	-7822.7	7822.7	-0.01
116	6415.	0.	-6514.	-36.	0.	265.	10.	0.	0.	0.	0.	209.	-917.	-157.	0.	0.	-427.	0.	0.	0.	1151.	0.	0.	-8050.7	8050.7	-0.03
117	6514.	0.	-14284.	-265.	0.	-99.	10.	0.	0.	8718.	0.	165.	-1326.	-158.	0.	0.	-427.	0.	0.	0.	1151.	0.	0.	-16559.3	16559.2	-0.14
118	14284.	0.	-13785.	99.	0.	-87.	10.	0.	0.	0.	0.	182.	-1268.	-159.	0.	0.	-427.	0.	0.	0.	1152.	0.	0.	-15726.8	15726.7	-0.10

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

IOR	UPMN	UPTR	LOWR	UPMN	UPTR	LOWR	INCR	NONP	WSLD	WITH	REAE	BOD1	NH3-N	ORG-N	NCM	SOD	SOD	SOD	SOD	ALG	ALG	MAC	TOT	TOT
	ADV	ADV	ADV	DISP	DISP	DISP	IN	OUT	IN	IN	OUT	IN	DECA	DECA	DECA	DECA	BKGD	BOD1	ALG	NCM	PHOT	RESP	PHOT	OUT	IN
119	13785.	0.	-13351.	87.	0.	-76.	10.	0.	0.	0.	0.	196.	-1217.	-160.	0.	0.	-428.	0.	0.	0.	1152.	0.	0.	-15230.5	15230.4	-0.07
120	13351.	0.	-12973.	76.	0.	-66.	10.	0.	0.	0.	0.	208.	-1171.	-160.	0.	0.	-428.	0.	0.	0.	1152.	0.	0.	-14797.4	14797.4	-0.04
121	12973.	0.	-12644.	66.	0.	-57.	10.	0.	0.	0.	0.	219.	-1130.	-161.	0.	0.	-428.	0.	0.	0.	1153.	0.	0.	-14420.4	14420.4	-0.01
122	12644.	0.	-12361.	57.	0.	-49.	10.	0.	0.	0.	0.	229.	-1094.	-161.	0.	0.	-428.	0.	0.	0.	1153.	0.	0.	-14093.2	14093.2	0.01
123	12361.	0.	-12116.	49.	0.	-42.	10.	0.	0.	0.	0.	237.	-1062.	-162.	0.	0.	-428.	0.	0.	0.	1153.	0.	0.	-13810.0	13810.0	0.04
124	12116.	0.	-11906.	42.	0.	-36.	10.	0.	0.	0.	0.	244.	-1033.	-162.	0.	0.	-428.	0.	0.	0.	1153.	0.	0.	-13565.7	13565.7	0.05
125	11906.	0.	-11727.	36.	0.	-31.	10.	0.	0.	0.	0.	250.	-1007.	-163.	0.	0.	-428.	0.	0.	0.	1154.	0.	0.	-13355.9	13355.9	0.07
126	11727.	0.	-11574.	31.	0.	-26.	10.	0.	0.	0.	0.	255.	-984.	-163.	0.	0.	-429.	0.	0.	0.	1154.	0.	0.	-13176.5	13176.6	0.08
127	11574.	0.	-11447.	26.	0.	-21.	10.	0.	0.	0.	0.	259.	-964.	-163.	0.	0.	-429.	0.	0.	0.	1154.	0.	0.	-13024.0	13024.1	0.10
128	11447.	0.	-11346.	21.	0.	-9.	10.	0.	0.	0.	0.	262.	-948.	-164.	0.	0.	-429.	0.	0.	0.	1155.	0.	0.	-12894.9	12895.0	0.10
129	11346.	0.	-11285.	9.	0.	-6.	10.	0.	0.	0.	0.	127.	-430.	-75.	0.	0.	-227.	0.	0.	0.	531.	0.	0.	-12023.1	12023.2	0.05
130	11285.	0.	-11229.	6.	0.	-5.	10.	0.	0.	0.	0.	128.	-426.	-75.	0.	0.	-227.	0.	0.	0.	532.	0.	0.	-11961.2	11961.3	0.06
131	11229.	0.	-11178.	5.	0.	-5.	10.	0.	0.	0.	0.	129.	-422.	-75.	0.	0.	-227.	0.	0.	0.	533.	0.	0.	-11905.7	11905.7	0.06
132	11178.	0.	-11133.	5.	0.	-4.	10.	0.	0.	0.	0.	130.	-418.	-75.	0.	0.	-226.	0.	0.	0.	534.	0.	0.	-11856.2	11856.2	0.06
133	11133.	0.	-11093.	4.	0.	-4.	10.	0.	0.	0.	0.	131.	-414.	-75.	0.	0.	-226.	0.	0.	0.	535.	0.	0.	-11812.4	11812.4	0.06
134	11093.	0.	-11059.	4.	0.	-3.	10.	0.	0.	0.	0.	131.	-410.	-75.	0.	0.	-226.	0.	0.	0.	536.	0.	0.	-11774.0	11774.1	0.06

135	11059.	0.	-11029.	3.	0.	-3.	10.	0.	0.	0.	0.	132.	-407.	-75.	0.	0.	-226.	0.	0.	0.	537.	0.	0.	-11740.7	11740.8	0.06
136	11029.	0.	-11005.	3.	0.	-2.	10.	0.	0.	0.	0.	132.	-404.	-75.	0.	0.	-226.	0.	0.	0.	538.	0.	0.	-11712.3	11712.4	0.07
137	11005.	0.	-10984.	2.	0.	-2.	10.	0.	0.	0.	0.	133.	-401.	-75.	0.	0.	-226.	0.	0.	0.	539.	0.	0.	-11688.5	11688.6	0.06
138	10984.	0.	-10968.	2.	0.	-2.	10.	0.	0.	0.	0.	133.	-398.	-75.	0.	0.	-226.	0.	0.	0.	540.	0.	0.	-11669.1	11669.2	0.07
139	10968.	0.	-10956.	2.	0.	-1.	10.	0.	0.	0.	0.	133.	-395.	-75.	0.	0.	-226.	0.	0.	0.	541.	0.	0.	-11653.8	11653.8	0.07
140	10956.	0.	-10947.	1.	0.	-1.	10.	0.	0.	0.	0.	134.	-393.	-75.	0.	0.	-226.	0.	0.	0.	542.	0.	0.	-11642.4	11642.5	0.07
141	10947.	0.	-10942.	1.	0.	-1.	10.	0.	0.	0.	0.	134.	-391.	-75.	0.	0.	-226.	0.	0.	0.	543.	0.	0.	-11634.7	11634.8	0.07
142	10942.	0.	-10941.	1.	0.	0.	10.	0.	0.	0.	0.	134.	-388.	-75.	0.	0.	-226.	0.	0.	0.	544.	0.	0.	-11630.6	11630.7	0.07
143	10941.	0.	-10942.	0.	0.	0.	10.	0.	0.	0.	0.	134.	-386.	-75.	0.	0.	-226.	0.	0.	0.	545.	0.	0.	-11629.9	11629.9	0.07
144	10942.	0.	-10947.	0.	0.	0.	10.	0.	0.	0.	0.	134.	-384.	-75.	0.	0.	-226.	0.	0.	0.	546.	0.	0.	-11632.4	11632.5	0.07
145	10947.	0.	-10955.	0.	0.	0.	10.	0.	0.	0.	0.	134.	-382.	-75.	0.	0.	-226.	0.	0.	0.	547.	0.	0.	-11638.3	11638.3	0.07
146	10955.	0.	-10965.	0.	0.	1.	10.	0.	0.	0.	0.	134.	-380.	-75.	0.	0.	-226.	0.	0.	0.	548.	0.	0.	-11647.1	11647.1	0.07
147	10965.	0.	-10978.	-1.	0.	1.	10.	0.	0.	0.	0.	134.	-379.	-76.	0.	0.	-226.	0.	0.	0.	549.	0.	0.	-11658.5	11658.6	0.06
148	10978.	0.	-10993.	-1.	0.	1.	10.	0.	0.	0.	0.	134.	-377.	-76.	0.	0.	-226.	0.	0.	0.	550.	0.	0.	-11672.6	11672.7	0.07
149	10993.	0.	-11011.	-1.	0.	1.	10.	0.	0.	0.	0.	133.	-376.	-76.	0.	0.	-225.	0.	0.	0.	551.	0.	0.	-11689.1	11689.2	0.06
150	11011.	0.	-11031.	-1.	0.	1.	10.	0.	0.	0.	0.	133.	-374.	-76.	0.	0.	-225.	0.	0.	0.	552.	0.	0.	-11707.9	11708.0	0.06
151	11031.	0.	-11054.	-1.	0.	2.	10.	0.	0.	0.	0.	133.	-373.	-76.	0.	0.	-225.	0.	0.	0.	553.	0.	0.	-11729.0	11729.0	0.06
152	11054.	0.	-11078.	-2.	0.	2.	10.	0.	0.	0.	0.	133.	-372.	-76.	0.	0.	-225.	0.	0.	0.	554.	0.	0.	-11752.1	11752.2	0.06
153	11078.	0.	-11104.	-2.	0.	2.	10.	0.	0.	0.	0.	132.	-370.	-76.	0.	0.	-225.	0.	0.	0.	555.	0.	0.	-11777.2	11777.3	0.05
154	11104.	0.	-11132.	-2.	0.	2.	10.	0.	0.	0.	0.	132.	-369.	-76.	0.	0.	-225.	0.	0.	0.	556.	0.	0.	-11804.3	11804.3	0.06
155	11132.	0.	-11162.	-2.	0.	2.	10.	0.	0.	0.	0.	132.	-368.	-76.	0.	0.	-225.	0.	0.	0.	557.	0.	0.	-11833.1	11833.2	0.05
156	11162.	0.	-11194.	-2.	0.	2.	10.	0.	0.	0.	0.	131.	-367.	-76.	0.	0.	-225.	0.	0.	0.	558.	0.	0.	-11863.7	11863.8	0.05
157	11194.	0.	-11227.	-2.	0.	3.	10.	0.	0.	0.	0.	131.	-366.	-76.	0.	0.	-225.	0.	0.	0.	559.	0.	0.	-11896.0	11896.0	0.05
158	11227.	0.	-11261.	-3.	0.	3.	10.	0.	0.	0.	0.	131.	-365.	-76.	0.	0.	-225.	0.	0.	0.	560.	0.	0.	-11929.8	11929.9	0.05
159	11261.	0.	-11298.	-3.	0.	3.	10.	0.	0.	0.	0.	130.	-364.	-76.	0.	0.	-225.	0.	0.	0.	561.	0.	0.	-11965.1	11965.2	0.04
160	11298.	0.	-11335.	-3.	0.	3.	10.	0.	0.	0.	0.	130.	-363.	-76.	0.	0.	-225.	0.	0.	0.	562.	0.	0.	-12001.9	12001.9	0.05
161	11335.	0.	-11374.	-3.	0.	3.	10.	0.	0.	0.	0.	129.	-363.	-76.	0.	0.	-225.	0.	0.	0.	563.	0.	0.	-12040.0	12040.1	0.04
162	11374.	0.	-11414.	-3.	0.	3.	10.	0.	0.	0.	0.	129.	-362.	-76.	0.	0.	-225.	0.	0.	0.	564.	0.	0.	-12079.5	12079.5	0.04
163	11414.	0.	-11455.	-3.	0.	3.	10.	0.	0.	0.	0.	128.	-361.	-76.	0.	0.	-225.	0.	0.	0.	565.	0.	0.	-12120.2	12120.2	0.04
164	11455.	0.	-11498.	-3.	0.	3.	10.	0.	0.	0.	0.	128.	-361.	-76.	0.	0.	-225.	0.	0.	0.	566.	0.	0.	-12162.0	12162.1	0.04
165	11498.	0.	-11542.	-3.	0.	3.	10.	0.	0.	0.	0.	127.	-360.	-76.	0.	0.	-225.	0.	0.	0.	567.	0.	0.	-12205.1	12205.1	0.03
166	11542.	0.	-11586.	-3.	0.	3.	10.	0.	0.	0.	0.	126.	-359.	-76.	0.	0.	-224.	0.	0.	0.	568.	0.	0.	-12249.2	12249.2	0.03
167	11586.	0.	-11632.	-3.	0.	4.	10.	0.	0.	0.	0.	126.	-359.	-76.	0.	0.	-224.	0.	0.	0.	568.	0.	0.	-12294.4	12294.4	0.03
168	11632.	0.	-11679.	-4.	0.	4.	10.	0.	0.	0.	0.	125.	-358.	-76.	0.	0.	-224.	0.	0.	0.	569.	0.	0.	-12340.5	12340.6	0.03
169	11679.	0.	-11726.	-4.	0.	4.	10.	0.	0.	0.	0.	125.	-358.	-76.	0.	0.	-224.	0.	0.	0.	570.	0.	0.	-12387.7	12387.7	0.02
170	11726.	0.	-11775.	-4.	0.	4.	10.	0.	0.	0.	0.	124.	-357.	-76.	0.	0.	-224.	0.	0.	0.	571.	0.	0.	-12435.7	12435.8	0.02
171	11775.	0.	-11824.	-4.	0.	4.	10.	0.	0.	0.	0.	123.	-357.	-76.	0.	0.	-224.	0.	0.	0.	572.	0.	0.	-12484.7	12484.7	0.02
172	11824.	0.	-11874.	-4.	0.	4.	10.	0.	0.	0.	0.	123.	-356.	-76.	0.	0.	-224.	0.	0.	0.	573.	0.	0.	-12534.5	12534.5	0.02
173	11874.	0.	-11925.	-4.	0.	4.	10.	0.	0.	0.	0.	122.	-356.	-76.	0.	0.	-224.	0.	0.	0.	574.	0.	0.	-12585.1	12585.1	0.01
174	11925.	0.	-11977.	-4.	0.	4.	10.	0.	0.	0.	0.	121.	-356.	-76.	0.	0.	-224.	0.	0.	0.	575.	0.	0.	-12636.5	12636.5	0.01
175	11977.	0.	-12030.	-4.	0.	4.	10.	0.	0.	0.	0.	121.	-355.	-76.	0.	0.	-224.	0.	0.	0.	576.	0.	0.	-12688.6	12688.6	0.01
176	12030.	0.	-12083.	-4.	0.	4.	10.	0.	0.	0.	0.	120.	-355.	-76.	0.	0.	-224.	0.	0.	0.	577.	0.	0.	-12741.5	12741.5	0.01
177	12083.	0.	-12137.	-4.	0.	4.	10.	0.	0.	0.	0.	119.	-355.	-76.	0.	0.	-224.	0.	0.	0.	578.	0.	0.	-12795.1	12795.1	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	NONP IN	WSLD OUT	WITH IN	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
178	12137.	0.	-12192.	-4.	0.	5.	10.	0.	0.	0.	0.	119.	-354.	-76.	0.	0.	-224.	0.	0.	0.	579.	0.	0.	-12850.2	12850.2	0.00
179	12192.	0.	-12257.	-5.	0.	16.	10.	0.	0.	0.	0.	118.	-354.	-76.	0.	0.	-224.	0.	0.	0.	580.	0.	0.	-12916.3	12916.3	0.00
180	12257.	0.	-12445.	-16.	0.	156.	10.	0.	0.	0.	0.	115.	-360.	-76.	0.	0.	-224.	0.	0.	0.	581.	0.	0.	-13120.4	13120.4	-0.01
181	12445.	0.	-16011.	-156.	0.	-5.	10.	0.	0.	4020.	-234.	88.	-439.	-77.	0.	0.	-224.	0.	0.	0.	582.	0.	0.	-17145.3	17145.2	-0.09

182	16011.	0.	-15958.	5.	0.	-4.	10.	0.	0.	0.	0.	89.	-435.	-77.	0.	0.	-224.	0.	0.	0.	583.	0.	0.	-16697.7	16697.6	-0.08
183	15958.	0.	-15912.	4.	0.	-4.	10.	0.	0.	0.	0.	90.	-431.	-76.	0.	0.	-223.	0.	0.	0.	584.	0.	0.	-16646.7	16646.6	-0.08
184	15912.	0.	-15871.	4.	0.	-3.	10.	0.	0.	0.	0.	90.	-427.	-76.	0.	0.	-223.	0.	0.	0.	585.	0.	0.	-16601.5	16601.5	-0.08
185	15871.	0.	-15836.	3.	0.	-3.	10.	0.	0.	0.	0.	91.	-423.	-76.	0.	0.	-223.	0.	0.	0.	586.	0.	0.	-16562.0	16561.9	-0.08
186	15836.	0.	-15806.	3.	0.	-3.	10.	0.	0.	0.	0.	91.	-420.	-76.	0.	0.	-223.	0.	0.	0.	587.	0.	0.	-16527.8	16527.7	-0.08
187	15806.	0.	-15781.	3.	0.	-2.	10.	0.	0.	0.	0.	92.	-416.	-76.	0.	0.	-223.	0.	0.	0.	588.	0.	0.	-16498.6	16498.6	-0.08
188	15781.	0.	-15760.	2.	0.	-2.	10.	0.	0.	0.	0.	92.	-413.	-76.	0.	0.	-223.	0.	0.	0.	589.	0.	0.	-16474.3	16474.3	-0.07
189	15760.	0.	-15744.	2.	0.	-1.	10.	0.	0.	0.	0.	92.	-410.	-76.	0.	0.	-223.	0.	0.	0.	590.	0.	0.	-16454.6	16454.6	-0.07
190	15744.	0.	-15732.	1.	0.	-1.	10.	0.	0.	0.	0.	93.	-407.	-76.	0.	0.	-223.	0.	0.	0.	591.	0.	0.	-16439.4	16439.3	-0.08
191	15732.	0.	-15724.	1.	0.	-1.	10.	0.	0.	0.	0.	93.	-405.	-76.	0.	0.	-223.	0.	0.	0.	592.	0.	0.	-16428.3	16428.2	-0.07
192	15724.	0.	-15720.	1.	0.	-1.	10.	0.	0.	0.	0.	93.	-402.	-76.	0.	0.	-223.	0.	0.	0.	593.	0.	0.	-16421.2	16421.2	-0.08
193	15720.	0.	-15719.	1.	0.	0.	10.	0.	0.	0.	0.	93.	-400.	-76.	0.	0.	-223.	0.	0.	0.	594.	0.	0.	-16418.0	16417.9	-0.07
194	15719.	0.	-15723.	0.	0.	0.	10.	0.	0.	0.	0.	93.	-397.	-76.	0.	0.	-223.	0.	0.	0.	595.	0.	0.	-16418.4	16418.3	-0.07
195	15723.	0.	-15729.	0.	0.	0.	10.	0.	0.	0.	0.	93.	-395.	-76.	0.	0.	-223.	0.	0.	0.	596.	0.	0.	-16422.5	16422.4	-0.08
196	15729.	0.	-15739.	0.	0.	0.	10.	0.	0.	0.	0.	93.	-393.	-76.	0.	0.	-223.	0.	0.	0.	597.	0.	0.	-16430.2	16430.1	-0.07
197	15739.	0.	-15752.	0.	0.	1.	10.	0.	0.	0.	0.	93.	-391.	-76.	0.	0.	-223.	0.	0.	0.	598.	0.	0.	-16441.0	16441.0	-0.07
198	15752.	0.	-15767.	-1.	0.	1.	10.	0.	0.	0.	0.	93.	-389.	-76.	0.	0.	-223.	0.	0.	0.	599.	0.	0.	-16454.9	16454.8	-0.08
199	15767.	0.	-15786.	-1.	0.	1.	10.	0.	0.	0.	0.	93.	-387.	-76.	0.	0.	-223.	0.	0.	0.	600.	0.	0.	-16471.7	16471.6	-0.08
200	15786.	0.	-15807.	-1.	0.	1.	10.	0.	0.	0.	0.	93.	-385.	-75.	0.	0.	-222.	0.	0.	0.	601.	0.	0.	-16491.2	16491.1	-0.08
201	15807.	0.	-15831.	-1.	0.	1.	10.	0.	0.	0.	0.	93.	-383.	-75.	0.	0.	-222.	0.	0.	0.	602.	0.	0.	-16513.3	16513.2	-0.08
202	15831.	0.	-15857.	-1.	0.	2.	10.	0.	0.	0.	0.	92.	-382.	-75.	0.	0.	-222.	0.	0.	0.	603.	0.	0.	-16537.9	16537.8	-0.08
203	15857.	0.	-15885.	-2.	0.	2.	10.	0.	0.	0.	0.	92.	-380.	-75.	0.	0.	-222.	0.	0.	0.	604.	0.	0.	-16564.9	16564.9	-0.08
204	15885.	0.	-15916.	-2.	0.	2.	10.	0.	0.	0.	0.	92.	-379.	-75.	0.	0.	-222.	0.	0.	0.	605.	0.	0.	-16594.3	16594.2	-0.08
205	15916.	0.	-15949.	-2.	0.	2.	10.	0.	0.	0.	0.	91.	-377.	-75.	0.	0.	-222.	0.	0.	0.	606.	0.	0.	-16625.8	16625.7	-0.08
206	15949.	0.	-15984.	-2.	0.	2.	10.	0.	0.	0.	0.	91.	-376.	-75.	0.	0.	-222.	0.	0.	0.	607.	0.	0.	-16659.4	16659.3	-0.08
207	15984.	0.	-16021.	-2.	0.	2.	10.	0.	0.	0.	0.	91.	-375.	-75.	0.	0.	-222.	0.	0.	0.	608.	0.	0.	-16695.0	16694.9	-0.09
208	16021.	0.	-16059.	-2.	0.	3.	10.	0.	0.	0.	0.	90.	-374.	-75.	0.	0.	-222.	0.	0.	0.	609.	0.	0.	-16732.5	16732.5	-0.08
209	16059.	0.	-16100.	-3.	0.	3.	10.	0.	0.	0.	0.	90.	-372.	-75.	0.	0.	-222.	0.	0.	0.	610.	0.	0.	-16771.9	16771.8	-0.09
210	16100.	0.	-16142.	-3.	0.	3.	10.	0.	0.	0.	0.	90.	-371.	-75.	0.	0.	-222.	0.	0.	0.	611.	0.	0.	-16813.0	16812.9	-0.09
211	16142.	0.	-16186.	-3.	0.	3.	10.	0.	0.	0.	0.	89.	-370.	-75.	0.	0.	-222.	0.	0.	0.	612.	0.	0.	-16855.8	16855.7	-0.09
212	16186.	0.	-16231.	-3.	0.	3.	10.	0.	0.	0.	0.	89.	-369.	-75.	0.	0.	-222.	0.	0.	0.	612.	0.	0.	-16900.2	16900.1	-0.10
213	16231.	0.	-16278.	-3.	0.	3.	10.	0.	0.	0.	0.	88.	-368.	-75.	0.	0.	-222.	0.	0.	0.	613.	0.	0.	-16946.2	16946.1	-0.09
214	16278.	0.	-16326.	-3.	0.	3.	10.	0.	0.	0.	0.	88.	-367.	-75.	0.	0.	-222.	0.	0.	0.	614.	0.	0.	-16993.6	16993.5	-0.10
215	16326.	0.	-16376.	-3.	0.	3.	10.	0.	0.	0.	0.	87.	-366.	-75.	0.	0.	-222.	0.	0.	0.	615.	0.	0.	-17042.4	17042.3	-0.10
216	16376.	0.	-16427.	-3.	0.	3.	10.	0.	0.	0.	0.	86.	-366.	-75.	0.	0.	-222.	0.	0.	0.	616.	0.	0.	-17092.6	17092.5	-0.10
217	16427.	0.	-16479.	-3.	0.	4.	10.	0.	0.	0.	0.	86.	-365.	-75.	0.	0.	-222.	0.	0.	0.	617.	0.	0.	-17144.1	17144.0	-0.10
218	16479.	0.	-16533.	-4.	0.	4.	10.	0.	0.	0.	0.	85.	-364.	-75.	0.	0.	-221.	0.	0.	0.	618.	0.	0.	-17196.8	17196.7	-0.10
219	16533.	0.	-16587.	-4.	0.	4.	10.	0.	0.	0.	0.	85.	-363.	-75.	0.	0.	-221.	0.	0.	0.	619.	0.	0.	-17250.7	17250.6	-0.11
220	16587.	0.	-16644.	-4.	0.	4.	10.	0.	0.	0.	0.	84.	-363.	-75.	0.	0.	-221.	0.	0.	0.	620.	0.	0.	-17306.2	17306.1	-0.11
221	16644.	0.	-5804.	-4.	0.	10.	10.	0.	0.	0.	******	83.	-362.	-75.	0.	0.	-221.	0.	0.	0.	621.	0.	0.	-17368.5	17368.4	-0.11
222	5804.	0.	-5858.	-10.	0.	7.	10.	0.	0.	0.	0.	82.	-361.	-75.	0.	0.	-221.	0.	0.	0.	622.	0.	0.	-6525.1	6525.0	-0.11
223	5858.	0.	-5895.	-7.	0.	-10.	10.	0.	0.	0.	0.	81.	-364.	-75.	0.	0.	-221.	0.	0.	0.	623.	0.	0.	-6571.8	6571.7	-0.11
224	5895.	0.	-5857.	10.	0.	-82.	10.	0.	0.	0.	0.	82.	-387.	-75.	0.	0.	-221.	0.	0.	0.	624.	0.	0.	-6622.2	6622.1	-0.11
405	5857.	578.	-6645.	82.	0.	33.	13.	0.	0.	0.	0.	74.	-408.	-64.	0.	0.	-58.	0.	0.	0.	537.	0.	0.	-7174.6	7174.5	-0.08
406	6645.	0.	-6724.	-33.	0.	29.	13.	0.	0.	0.	0.	72.	-416.	-65.	0.	0.	-58.	0.	0.	0.	537.	0.	0.	-7295.4	7295.3	-0.09
407	6724.	0.	-6793.	-29.	0.	24.	13.	0.	0.	0.	0.	71.	-423.	-65.	0.	0.	-58.	0.	0.	0.	536.	0.	0.	-7368.2	7368.1	-0.09
408	6793.	0.	-6854.	-24.	0.	20.	13.	0.	0.	0.	0.	69.	-430.	-65.	0.	0.	-58.	0.	0.	0.	536.	0.	0.	-7431.4	7431.3	-0.09
409	6854.	0.	-6905.	-20.	0.	13.	13.	0.	0.	0.	0.	68.	-437.	-65.	0.	0.	-58.	0.	0.	0.	535.	0.	0.	-7483.8	7483.7	-0.09
410	6905.	0.	-6941.	-13.	0.	-1.	13.	0.	0.	0.	0.	67.	-443.	-65.	0.	0.	-58.	0.	0.	0.	535.	0.	0.	-7520.8	7520.7	-0.10
411	6941.	0.	-6950.	1.	0.	-33.	13.	0.	0.	0.	0.	67.	-451.	-65.	0.	0.	-58.	0.	0.	0.	534.	0.	0.	-7557.6	7557.5	-0.10

```
412  6950.   0. -6890.  33.   0. -119.  13.   0.   0.   0.   0.  69. -468. -65.   0.   0. -58.   0.   0.   0. 534.   0.   0. -7599.9  7599.8 -0.09
413  6890.   0. -6847. 119.   0.   -9.  13.   0.   0. 281. -422.  76. -511. -66.   0.   0. -58.   0.   0.   0. 534.   0.   0. -7913.3  7913.2 -0.08
414  6847.   0. -6836.   9.   0.   -9.  13.   0.   0.   0.   0.  76. -510. -66.   0.   0. -58.   0.   0.   0. 533.   0.   0. -7478.9  7478.9 -0.07
415  6836.   0. -6827.   9.   0.   -8.  13.   0.   0.   0.   0.  77. -509. -66.   0.   0. -58.   0.   0.   0. 533.   0.   0. -7468.1  7468.0 -0.07
416  6827.   0. -6818.   8.   0.   -8.  13.   0.   0.   0.   0.  77. -508. -66.   0.   0. -58.   0.   0.   0. 532.   0.   0. -7458.2  7458.2 -0.07
DISSOLVED OXYGEN LOADING FOR REACH   1: ICWW
 IOR  UPMN   UPTR   LOWR UPMN  UPTR LOWR INCR INCR NONP WSLD WITH REAE BOD1 NH3-N ORG-N  NCM  SOD  SOD  SOD  SOD  ALG  ALG  MAC   TOT   TOT
      ADV    ADV    ADV DISP DISP DISP  IN  OUT  IN   IN  OUT  IN DECA DECA DECA DECA BKGD BOD1  ALG  NCM PHOT RESP PHOT   OUT   IN
417  6818.   0. -6810.   8.   0.   -8.  13.   0.   0.   0.   0.  78. -507. -66.   0.   0. -58.   0.   0.   0. 532.   0.   0. -7449.2  7449.1 -0.07
418  6810.   0. -6803.   8.   0.   -7.  13.   0.   0.   0.   0.  78. -507. -66.   0.   0. -58.   0.   0.   0. 532.   0.   0. -7441.0  7440.9 -0.07
419  6803.   0. -6796.   7.   0.   -7.  13.   0.   0.   0.   0.  78. -506. -66.   0.   0. -58.   0.   0.   0. 531.   0.   0. -7433.4  7433.3 -0.07
420  6796.   0. -6790.   7.   0.   -7.  13.   0.   0.   0.   0.  79. -505. -66.   0.   0. -58.   0.   0.   0. 531.   0.   0. -7426.4  7426.4 -0.07
421  6790.   0. -6785.   7.   0.   -7.  13.   0.   0.   0.   0.  79. -505. -66.   0.   0. -58.   0.   0.   0. 530.   0.   0. -7420.1  7420.0 -0.06
422  6785.   0. -6779.   7.   0.   -6.  13.   0.   0.   0.   0.  80. -504. -66.   0.   0. -58.   0.   0.   0. 530.   0.   0. -7414.2  7414.1 -0.06
423  6779.   0. -6775.   6.   0.   -6.  13.   0.   0.   0.   0.  80. -504. -66.   0.   0. -58.   0.   0.   0. 530.   0.   0. -7408.7  7408.7 -0.06
424  6775.   0. -6770.   6.   0.   -6.  13.   0.   0.   0.   0.  80. -504. -66.   0.   0. -58.   0.   0.   0. 529.   0.   0. -7403.7  7403.6 -0.06
425  6770.   0. -6766.   6.   0.   -6.  13.   0.   0.   0.   0.  81. -503. -66.   0.   0. -58.   0.   0.   0. 529.   0.   0. -7399.0  7398.9 -0.06
426  6766.   0. -6762.   6.   0.   -6.  13.   0.   0.   0.   0.  81. -503. -66.   0.   0. -58.   0.   0.   0. 528.   0.   0. -7394.6  7394.5 -0.06
427  6762.   0. -6759.   6.   0.   -6.  13.   0.   0.   0.   0.  81. -502. -66.   0.   0. -58.   0.   0.   0. 528.   0.   0. -7390.5  7390.4 -0.06
428  6759.   0. -6755.   6.   0.   -6.  13.   0.   0.   0.   0.  81. -502. -66.   0.   0. -58.   0.   0.   0. 528.   0.   0. -7386.6  7386.5 -0.06
429  6755.   0. -6752.   6.   0.   -5.  13.   0.   0.   0.   0.  82. -502. -66.   0.   0. -58.   0.   0.   0. 527.   0.   0. -7382.9  7382.9 -0.06
430  6752.   0. -6749.   5.   0.   -5.  13.   0.   0.   0.   0.  82. -502. -66.   0.   0. -58.   0.   0.   0. 527.   0.   0. -7379.5  7379.4 -0.06
431  6749.   0. -6746.   5.   0.   -5.  13.   0.   0.   0.   0.  82. -501. -66.   0.   0. -58.   0.   0.   0. 526.   0.   0. -7376.1  7376.1 -0.05
432  6746.   0. -6743.   5.   0.   -5.  13.   0.   0.   0.   0.  83. -501. -66.   0.   0. -58.   0.   0.   0. 526.   0.   0. -7373.0  7372.9 -0.05
433  6743.   0. -6740.   5.   0.   -5.  13.   0.   0.   0.   0.  83. -501. -66.   0.   0. -58.   0.   0.   0. 525.   0.   0. -7369.9  7369.8 -0.05
434  6740.   0. -6737.   5.   0.   -5.  13.   0.   0.   0.   0.  83. -501. -66.   0.   0. -58.   0.   0.   0. 525.   0.   0. -7366.9  7366.9 -0.05
435  6737.   0. -6735.   5.   0.   -5.  13.   0.   0.   0.   0.  83. -501. -66.   0.   0. -58.   0.   0.   0. 525.   0.   0. -7364.0  7364.0 -0.05
436  6735.   0. -6732.   5.   0.   -5.  13.   0.   0.   0.   0.  84. -501. -66.   0.   0. -58.   0.   0.   0. 524.   0.   0. -7361.2  7361.2 -0.05
437  6732.   0. -6729.   5.   0.   -5.  13.   0.   0.   0.   0.  84. -500. -66.   0.   0. -58.   0.   0.   0. 524.   0.   0. -7358.5  7358.4 -0.05
438  6729.   0. -6727.   5.   0.   -5.  13.   0.   0.   0.   0.  84. -500. -66.   0.   0. -58.   0.   0.   0. 523.   0.   0. -7355.7  7355.7 -0.05
439  6727.   0. -6724.   5.   0.   -5.  13.   0.   0.   0.   0.  85. -500. -66.   0.   0. -58.   0.   0.   0. 523.   0.   0. -7353.0  7353.0 -0.05
440  6724.   0. -6722.   5.   0.   -5.  13.   0.   0.   0.   0.  85. -500. -65.   0.   0. -58.   0.   0.   0. 523.   0.   0. -7350.3  7350.3 -0.05
441  6722.   0. -6719.   5.   0.   -5.  13.   0.   0.   0.   0.  85. -500. -65.   0.   0. -58.   0.   0.   0. 522.   0.   0. -7347.7  7347.6 -0.05
442  6719.   0. -6717.   5.   0.   -5.  13.   0.   0.   0.   0.  85. -500. -65.   0.   0. -58.   0.   0.   0. 522.   0.   0. -7345.0  7345.0 -0.04
443  6717.   0. -6714.   5.   0.   -5.  13.   0.   0.   0.   0.  86. -500. -65.   0.   0. -58.   0.   0.   0. 521.   0.   0. -7342.3  7342.3 -0.04
444  6714.   0. -6712.   5.   0.   -5.  13.   0.   0.   0.   0.  86. -500. -65.   0.   0. -58.   0.   0.   0. 521.   0.   0. -7339.6  7339.6 -0.04
445  6712.   0. -6709.   5.   0.   -5.  13.   0.   0.   0.   0.  86. -500. -65.   0.   0. -58.   0.   0.   0. 521.   0.   0. -7336.9  7336.8 -0.04
446  6709.   0. -6706.   5.   0.   -5.  13.   0.   0.   0.   0.  86. -500. -65.   0.   0. -58.   0.   0.   0. 520.   0.   0. -7334.1  7334.1 -0.04
447  6706.   0. -6704.   5.   0.   -5.  13.   0.   0.   0.   0.  87. -500. -65.   0.   0. -58.   0.   0.   0. 520.   0.   0. -7331.3  7331.3 -0.04
448  6704.   0. -6701.   5.   0.   -5.  13.   0.   0.   0.   0.  87. -500. -65.   0.   0. -58.   0.   0.   0. 519.   0.   0. -7328.5  7328.5 -0.04
449  6701.   0. -6698.   5.   0.   -5.  13.   0.   0.   0.   0.  87. -499. -65.   0.   0. -58.   0.   0.   0. 519.   0.   0. -7325.7  7325.6 -0.04
450  6698.   0. -6695.   5.   0.   -5.  13.   0.   0.   0.   0.  88. -499. -65.   0.   0. -58.   0.   0.   0. 518.   0.   0. -7322.8  7322.7 -0.04
451  6695.   0. -6693.   5.   0.   -5.  13.   0.   0.   0.   0.  88. -499. -65.   0.   0. -58.   0.   0.   0. 518.   0.   0. -7319.8  7319.8 -0.04
452  6693.   0. -6690.   5.   0.   -5.  13.   0.   0.   0.   0.  88. -499. -65.   0.   0. -58.   0.   0.   0. 518.   0.   0. -7316.8  7316.8 -0.03
453  6690.   0. -6687.   5.   0.   -5.  13.   0.   0.   0.   0.  88. -499. -65.   0.   0. -58.   0.   0.   0. 517.   0.   0. -7313.7  7313.7 -0.03
454  6687.   0. -6684.   5.   0.   -5.  13.   0.   0.   0.   0.  89. -499. -65.   0.   0. -58.   0.   0.   0. 517.   0.   0. -7310.6  7310.6 -0.03
455  6684.   0. -6680.   5.   0.   -5.  13.   0.   0.   0.   0.  89. -499. -65.   0.   0. -58.   0.   0.   0. 516.   0.   0. -7307.4  7307.4 -0.03
456  6680.   0. -6677.   5.   0.   -5.  13.   0.   0.   0.   0.  89. -499. -65.   0.   0. -58.   0.   0.   0. 516.   0.   0. -7304.2  7304.1 -0.03
457  6677.   0. -6674.   5.   0.   -5.  13.   0.   0.   0.   0.  90. -499. -65.   0.   0. -58.   0.   0.   0. 516.   0.   0. -7300.9  7300.8 -0.03
458  6674.   0. -6671.   5.   0.   -5.  13.   0.   0.   0.   0.  90. -499. -65.   0.   0. -58.   0.   0.   0. 515.   0.   0. -7297.5  7297.5 -0.03
```

459	6671.	0.	-6667.	5.	0.	-5.	13.	0.	0.	0.	0.	90.	-499.	-64.	0.	0.	-58.	0.	0.	0.	515.	0.	0.	-7294.1	7294.0	-0.03
460	6667.	0.	-6664.	5.	0.	-5.	13.	0.	0.	0.	0.	90.	-499.	-64.	0.	0.	-58.	0.	0.	0.	514.	0.	0.	-7290.6	7290.5	-0.03
461	6664.	0.	-6660.	5.	0.	-5.	13.	0.	0.	0.	0.	91.	-499.	-64.	0.	0.	-58.	0.	0.	0.	514.	0.	0.	-7287.0	7287.0	-0.02
462	6660.	0.	-6656.	5.	0.	-5.	13.	0.	0.	0.	0.	91.	-499.	-64.	0.	0.	-58.	0.	0.	0.	514.	0.	0.	-7283.3	7283.3	-0.02
463	6656.	0.	-6652.	5.	0.	-6.	13.	0.	0.	0.	0.	91.	-499.	-64.	0.	0.	-58.	0.	0.	0.	513.	0.	0.	-7279.6	7279.6	-0.02
464	6652.	0.	-6647.	6.	0.	-7.	13.	0.	0.	0.	0.	92.	-499.	-64.	0.	0.	-58.	0.	0.	0.	513.	0.	0.	-7275.8	7275.7	-0.02
465	6647.	0.	-6639.	7.	0.	-11.	13.	0.	0.	0.	0.	92.	-500.	-64.	0.	0.	-58.	0.	0.	0.	512.	0.	0.	-7271.8	7271.8	-0.02
466	6639.	0.	-6623.	11.	0.	-20.	13.	0.	0.	0.	0.	93.	-502.	-64.	0.	0.	-58.	0.	0.	0.	512.	0.	0.	-7267.4	7267.4	-0.02
467	6623.	0.	-6585.	20.	0.	-44.	13.	0.	0.	1.	0.	94.	-511.	-64.	0.	0.	-58.	0.	0.	0.	511.	0.	0.	-7262.8	7262.8	-0.01
468	6585.	0.	-6490.	44.	0.	-100.	13.	0.	0.	0.	0.	96.	-538.	-64.	0.	0.	-58.	0.	0.	0.	511.	0.	0.	-7250.2	7250.2	0.00
469	6490.	0.	-7614.	100.	0.	-44.	13.	0.	0.	1399.	-200.	102.	-637.	-62.	0.	0.	-58.	0.	0.	0.	511.	0.	0.	-8614.9	8614.9	0.01
470	7614.	0.	-7497.	44.	0.	-40.	13.	0.	0.	0.	0.	104.	-627.	-62.	0.	0.	-58.	0.	0.	0.	510.	0.	0.	-8285.0	8285.0	0.02
471	7497.	0.	-7391.	40.	0.	-37.	13.	0.	0.	0.	0.	106.	-619.	-62.	0.	0.	-58.	0.	0.	0.	510.	0.	0.	-8166.6	8166.7	0.03
472	7391.	0.	-7294.	37.	0.	-34.	13.	0.	0.	0.	0.	108.	-611.	-62.	0.	0.	-58.	0.	0.	0.	509.	0.	0.	-8058.6	8058.6	0.04
473	7294.	0.	-7206.	34.	0.	-31.	13.	0.	0.	0.	0.	110.	-603.	-62.	0.	0.	-58.	0.	0.	0.	509.	0.	0.	-7960.0	7960.1	0.04
474	7206.	0.	-7126.	31.	0.	-28.	13.	0.	0.	0.	0.	112.	-596.	-62.	0.	0.	-58.	0.	0.	0.	509.	0.	0.	-7870.2	7870.3	0.05
475	7126.	0.	-7053.	28.	0.	-26.	13.	0.	0.	0.	0.	113.	-589.	-62.	0.	0.	-58.	0.	0.	0.	508.	0.	0.	-7788.5	7788.6	0.06

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

IOR	UPMN	UPTR	LOWR	UPMN	UPTR	LOWR	INCR	INCR	NONP	WSLD	WITH	REAE	BOD1	NH3-N	ORG-N	NCM	SOD	SOD	SOD	SOD	ALG	ALG	MAC	TOT	TOT
	ADV	ADV	ADV	DISP	DISP	DISP	IN	OUT	IN	IN	OUT	IN	DECA	DECA	DECA	DECA	BKGD	BOD1	ALG	NCM	PHOT	RESP	PHOT	OUT	IN
476	7053.	0.	-6987.	26.	0.	-23.	13.	0.	0.	0.	0.	115.	-583.	-62.	0.	0.	-58.	0.	0.	0.	508.	0.	0.	-7714.3	7714.4	0.06
477	6987.	0.	-6928.	23.	0.	-21.	13.	0.	0.	0.	0.	116.	-578.	-62.	0.	0.	-58.	0.	0.	0.	507.	0.	0.	-7647.0	7647.1	0.07
478	6928.	0.	-6874.	21.	0.	-19.	13.	0.	0.	0.	0.	117.	-572.	-62.	0.	0.	-58.	0.	0.	0.	507.	0.	0.	-7586.1	7586.2	0.07
479	6874.	0.	-6825.	19.	0.	-18.	13.	0.	0.	0.	0.	118.	-567.	-62.	0.	0.	-58.	0.	0.	0.	507.	0.	0.	-7531.0	7531.1	0.08
480	6825.	0.	-6782.	18.	0.	-16.	13.	0.	0.	0.	0.	119.	-563.	-63.	0.	0.	-58.	0.	0.	0.	506.	0.	0.	-7481.4	7481.5	0.08
481	6782.	0.	-6743.	16.	0.	-14.	13.	0.	0.	0.	0.	120.	-559.	-63.	0.	0.	-58.	0.	0.	0.	506.	0.	0.	-7436.8	7436.8	0.08
482	6743.	0.	-6708.	14.	0.	-13.	13.	0.	0.	0.	0.	121.	-555.	-63.	0.	0.	-58.	0.	0.	0.	505.	0.	0.	-7396.7	7396.8	0.09
483	6708.	0.	-6677.	13.	0.	-12.	13.	0.	0.	0.	0.	121.	-551.	-63.	0.	0.	-58.	0.	0.	0.	505.	0.	0.	-7360.9	7361.0	0.09
484	6677.	0.	-6650.	12.	0.	-11.	13.	0.	0.	0.	0.	122.	-547.	-63.	0.	0.	-58.	0.	0.	0.	504.	0.	0.	-7329.0	7329.1	0.09
485	6650.	0.	-6626.	11.	0.	-10.	13.	0.	0.	0.	0.	123.	-544.	-63.	0.	0.	-58.	0.	0.	0.	504.	0.	0.	-7300.7	7300.8	0.10
486	6626.	0.	-6605.	10.	0.	-9.	13.	0.	0.	0.	0.	123.	-541.	-63.	0.	0.	-58.	0.	0.	0.	504.	0.	0.	-7275.6	7275.7	0.10
487	6605.	0.	-6586.	9.	0.	-8.	13.	0.	0.	0.	0.	124.	-538.	-63.	0.	0.	-58.	0.	0.	0.	503.	0.	0.	-7253.5	7253.6	0.10
488	6586.	0.	-6570.	8.	0.	-7.	13.	0.	0.	0.	0.	124.	-536.	-63.	0.	0.	-58.	0.	0.	0.	503.	0.	0.	-7234.3	7234.4	0.10
489	6570.	0.	-6557.	7.	0.	-7.	13.	0.	0.	0.	0.	124.	-533.	-63.	0.	0.	-58.	0.	0.	0.	502.	0.	0.	-7217.5	7217.6	0.10
490	6557.	0.	-6544.	7.	0.	-6.	13.	0.	0.	0.	0.	125.	-531.	-63.	0.	0.	-58.	0.	0.	0.	502.	0.	0.	-7203.0	7203.1	0.11
491	6544.	0.	-6533.	6.	0.	-7.	13.	0.	0.	0.	0.	125.	-530.	-63.	0.	0.	-58.	0.	0.	0.	502.	0.	0.	-7190.6	7190.7	0.11
492	6533.	0.	-6518.	7.	0.	-10.	13.	0.	0.	0.	0.	125.	-530.	-63.	0.	0.	-58.	0.	0.	0.	501.	0.	0.	-7179.7	7179.8	0.11
493	6518.	0.	-6635.	10.	0.	-7.	13.	0.	0.	131.	0.	126.	-537.	-63.	0.	0.	-58.	0.	0.	0.	501.	0.	0.	-7299.6	7299.7	0.11
494	6635.	0.	-6620.	7.	0.	-6.	13.	0.	0.	0.	0.	126.	-534.	-63.	0.	0.	-58.	0.	0.	0.	500.	0.	0.	-7282.0	7282.1	0.12
495	6620.	0.	-6608.	6.	0.	-6.	13.	0.	0.	0.	0.	127.	-532.	-63.	0.	0.	-58.	0.	0.	0.	500.	0.	0.	-7266.7	7266.9	0.12
496	6608.	0.	-6598.	6.	0.	-5.	13.	0.	0.	0.	0.	127.	-530.	-63.	0.	0.	-58.	0.	0.	0.	499.	0.	0.	-7253.6	7253.7	0.12
497	6598.	0.	-6589.	5.	0.	-5.	13.	0.	0.	0.	0.	127.	-528.	-63.	0.	0.	-58.	0.	0.	0.	499.	0.	0.	-7242.5	7242.6	0.12
498	6589.	0.	-6582.	5.	0.	-4.	13.	0.	0.	0.	0.	128.	-526.	-63.	0.	0.	-58.	0.	0.	0.	499.	0.	0.	-7233.1	7233.2	0.12
499	6582.	0.	-6576.	4.	0.	-4.	13.	0.	0.	0.	0.	128.	-524.	-63.	0.	0.	-58.	0.	0.	0.	498.	0.	0.	-7225.4	7225.5	0.12
500	6576.	0.	-6572.	4.	0.	-3.	13.	0.	0.	0.	0.	128.	-523.	-63.	0.	0.	-58.	0.	0.	0.	498.	0.	0.	-7219.1	7219.2	0.12
501	6572.	0.	-6569.	3.	0.	-3.	13.	0.	0.	0.	0.	128.	-521.	-63.	0.	0.	-58.	0.	0.	0.	497.	0.	0.	-7214.2	7214.4	0.12
502	6569.	0.	-6567.	3.	0.	-2.	13.	0.	0.	0.	0.	128.	-520.	-63.	0.	0.	-58.	0.	0.	0.	497.	0.	0.	-7210.6	7210.7	0.13
503	6567.	0.	-6566.	2.	0.	-2.	13.	0.	0.	0.	0.	128.	-518.	-63.	0.	0.	-58.	0.	0.	0.	497.	0.	0.	-7208.0	7208.1	0.13
504	6566.	0.	-6566.	2.	0.	-2.	13.	0.	0.	0.	0.	129.	-517.	-63.	0.	0.	-58.	0.	0.	0.	496.	0.	0.	-7206.4	7206.6	0.13
505	6566.	0.	-6567.	2.	0.	-2.	13.	0.	0.	0.	0.	129.	-516.	-63.	0.	0.	-58.	0.	0.	0.	496.	0.	0.	-7205.8	7205.9	0.13

506	6567.	0.	-6568.	2.	0.	-1.	13.	0.	0.	0.	0.	129.	-515.	-63.	0.	0.	-58.	0.	0.	0.	495.	0.	0.	-7205.9	7206.1	0.13
507	6568.	0.	-6570.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-514.	-63.	0.	0.	-58.	0.	0.	0.	495.	0.	0.	-7206.8	7206.9	0.13
508	6570.	0.	-6573.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-513.	-63.	0.	0.	-58.	0.	0.	0.	495.	0.	0.	-7208.3	7208.5	0.13
509	6573.	0.	-6576.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-512.	-63.	0.	0.	-58.	0.	0.	0.	494.	0.	0.	-7210.4	7210.6	0.13
510	6576.	0.	-6580.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-511.	-63.	0.	0.	-58.	0.	0.	0.	494.	0.	0.	-7213.0	7213.1	0.13
511	6580.	0.	-6583.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-510.	-63.	0.	0.	-58.	0.	0.	0.	493.	0.	0.	-7216.0	7216.2	0.13
512	6583.	0.	-6588.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-510.	-63.	0.	0.	-58.	0.	0.	0.	493.	0.	0.	-7219.4	7219.6	0.13
513	6588.	0.	-6592.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-509.	-63.	0.	0.	-58.	0.	0.	0.	492.	0.	0.	-7223.2	7223.3	0.13
514	6592.	0.	-6597.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-508.	-63.	0.	0.	-58.	0.	0.	0.	492.	0.	0.	-7227.2	7227.3	0.13
515	6597.	0.	-6602.	1.	0.	0.	13.	0.	0.	0.	0.	129.	-508.	-63.	0.	0.	-58.	0.	0.	0.	492.	0.	0.	-7231.4	7231.6	0.13
516	6602.	0.	-6607.	0.	0.	0.	13.	0.	0.	0.	0.	129.	-507.	-63.	0.	0.	-58.	0.	0.	0.	491.	0.	0.	-7235.9	7236.0	0.13
517	6607.	0.	-6612.	0.	0.	0.	13.	0.	0.	0.	0.	129.	-507.	-63.	0.	0.	-58.	0.	0.	0.	491.	0.	0.	-7240.4	7240.6	0.13
518	6612.	0.	-6617.	0.	0.	0.	13.	0.	0.	0.	0.	129.	-506.	-63.	0.	0.	-58.	0.	0.	0.	490.	0.	0.	-7245.1	7245.3	0.14
519	6617.	0.	-6622.	0.	0.	0.	13.	0.	0.	0.	0.	129.	-506.	-63.	0.	0.	-58.	0.	0.	0.	490.	0.	0.	-7249.9	7250.1	0.14
520	6622.	0.	-6627.	0.	0.	-1.	13.	0.	0.	0.	0.	129.	-505.	-63.	0.	0.	-58.	0.	0.	0.	490.	0.	0.	-7254.8	7254.9	0.14
521	6627.	0.	-6632.	1.	0.	-1.	13.	0.	0.	0.	0.	129.	-505.	-63.	0.	0.	-58.	0.	0.	0.	489.	0.	0.	-7259.6	7259.7	0.14
522	6632.	0.	-6636.	1.	0.	-2.	13.	0.	0.	0.	0.	129.	-505.	-63.	0.	0.	-58.	0.	0.	0.	489.	0.	0.	-7264.4	7264.6	0.14
523	6636.	0.	-6637.	2.	0.	-5.	13.	0.	0.	0.	0.	129.	-506.	-63.	0.	0.	-58.	0.	0.	0.	488.	0.	0.	-7269.0	7269.2	0.14
524	6637.	0.	-6628.	5.	0.	-12.	13.	0.	0.	0.	0.	130.	-511.	-63.	0.	0.	-58.	0.	0.	0.	488.	0.	0.	-7272.6	7272.8	0.14
525	6628.	0.	-6961.	12.	0.	-8.	13.	0.	0.	351.	0.	130.	-533.	-63.	0.	0.	-58.	0.	0.	0.	487.	0.	0.	-7623.0	7623.2	0.14
526	6961.	0.	-6940.	8.	0.	-8.	13.	0.	0.	0.	0.	131.	-531.	-62.	0.	0.	-58.	0.	0.	0.	487.	0.	0.	-7600.0	7600.1	0.14
527	6940.	0.	-6922.	8.	0.	-7.	13.	0.	0.	0.	0.	131.	-529.	-62.	0.	0.	-58.	0.	0.	0.	487.	0.	0.	-7579.1	7579.2	0.15
528	6922.	0.	-6905.	7.	0.	-7.	13.	0.	0.	0.	0.	132.	-528.	-62.	0.	0.	-58.	0.	0.	0.	486.	0.	0.	-7560.1	7560.3	0.15
529	6905.	0.	-6891.	7.	0.	-6.	13.	0.	0.	0.	0.	132.	-526.	-62.	0.	0.	-58.	0.	0.	0.	486.	0.	0.	-7543.0	7543.2	0.15
530	6891.	0.	-6877.	6.	0.	-6.	13.	0.	0.	0.	0.	132.	-524.	-62.	0.	0.	-58.	0.	0.	0.	485.	0.	0.	-7527.5	7527.7	0.15
531	6877.	0.	-6865.	6.	0.	-5.	13.	0.	0.	0.	0.	133.	-523.	-62.	0.	0.	-58.	0.	0.	0.	485.	0.	0.	-7513.6	7513.8	0.15
532	6865.	0.	-6855.	5.	0.	-5.	13.	0.	0.	0.	0.	133.	-521.	-62.	0.	0.	-58.	0.	0.	0.	485.	0.	0.	-7501.1	7501.3	0.16
533	6855.	0.	-6845.	5.	0.	-4.	13.	0.	0.	0.	0.	133.	-520.	-62.	0.	0.	-58.	0.	0.	0.	484.	0.	0.	-7489.9	7490.0	0.16
534	6845.	0.	-6837.	4.	0.	-4.	13.	0.	0.	0.	0.	133.	-519.	-62.	0.	0.	-58.	0.	0.	0.	484.	0.	0.	-7479.9	7480.0	0.16

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

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 DECA	NCM BKGD	SOD BOD1	SOD ALG	SOD NCM	SOD PHOT	ALG RESP	ALG PHOT	MAC OUT	TOT IN	TOT
535	6837.	0.	-6829.	4.	0.	-4.	13.	0.	0.	0.	0.	134.	-518.	-62.	0.	0.	-58.	0.	0.	0.	483.	0.	0.	-7470.9	7471.1	0.16
536	6829.	0.	-6823.	4.	0.	-4.	13.	0.	0.	0.	0.	134.	-516.	-62.	0.	0.	-58.	0.	0.	0.	483.	0.	0.	-7463.0	7463.1	0.16
537	6823.	0.	-6817.	4.	0.	-3.	13.	0.	0.	0.	0.	134.	-515.	-62.	0.	0.	-58.	0.	0.	0.	482.	0.	0.	-7455.9	7456.1	0.16
538	6817.	0.	-6812.	3.	0.	-3.	13.	0.	0.	0.	0.	134.	-514.	-62.	0.	0.	-58.	0.	0.	0.	482.	0.	0.	-7449.7	7449.8	0.16
539	6812.	0.	-6807.	3.	0.	-3.	13.	0.	0.	0.	0.	134.	-514.	-62.	0.	0.	-58.	0.	0.	0.	482.	0.	0.	-7444.2	7444.4	0.16
540	6807.	0.	-6804.	3.	0.	-3.	13.	0.	0.	0.	0.	135.	-513.	-62.	0.	0.	-58.	0.	0.	0.	481.	0.	0.	-7439.4	7439.5	0.16
541	6804.	0.	-6686.	3.	0.	-3.	13.	0.	0.	0.	-114.	135.	-512.	-62.	0.	0.	-58.	0.	0.	0.	481.	0.	0.	-7435.2	7435.3	0.17
542	6686.	0.	-6684.	3.	0.	-3.	13.	0.	0.	0.	0.	135.	-511.	-62.	0.	0.	-58.	0.	0.	0.	480.	0.	0.	-7317.5	7317.7	0.17
543	6684.	0.	-6681.	3.	0.	-2.	13.	0.	0.	0.	0.	135.	-510.	-62.	0.	0.	-58.	0.	0.	0.	480.	0.	0.	-7314.4	7314.5	0.17
544	6681.	0.	-6679.	2.	0.	-2.	13.	0.	0.	0.	0.	135.	-510.	-62.	0.	0.	-58.	0.	0.	0.	480.	0.	0.	-7311.7	7311.8	0.17
545	6679.	0.	-6678.	2.	0.	-2.	13.	0.	0.	0.	0.	135.	-509.	-62.	0.	0.	-58.	0.	0.	0.	479.	0.	0.	-7309.4	7309.5	0.17
546	6678.	0.	-6677.	2.	0.	-2.	13.	0.	0.	0.	0.	135.	-508.	-62.	0.	0.	-58.	0.	0.	0.	479.	0.	0.	-7307.4	7307.6	0.17
547	6677.	0.	-6676.	2.	0.	-2.	13.	0.	0.	0.	0.	136.	-508.	-62.	0.	0.	-58.	0.	0.	0.	478.	0.	0.	-7305.8	7306.0	0.17
548	6676.	0.	-6675.	2.	0.	-2.	13.	0.	0.	0.	0.	136.	-507.	-62.	0.	0.	-58.	0.	0.	0.	478.	0.	0.	-7304.4	7304.6	0.17
549	6675.	0.	-6674.	2.	0.	-2.	13.	0.	0.	0.	0.	136.	-507.	-62.	0.	0.	-58.	0.	0.	0.	477.	0.	0.	-7303.3	7303.4	0.17
550	6674.	0.	-6674.	2.	0.	-2.	13.	0.	0.	0.	0.	136.	-506.	-62.	0.	0.	-58.	0.	0.	0.	477.	0.	0.	-7302.3	7302.5	0.17
551	6674.	0.	-6674.	2.	0.	-1.	13.	0.	0.	0.	0.	136.	-506.	-62.	0.	0.	-58.	0.	0.	0.	477.	0.	0.	-7301.5	7301.6	0.18
552	6674.	0.	-6676.	1.	0.	1.	13.	0.	0.	0.	0.	136.	-506.	-62.	0.	0.	-58.	0.	0.	0.	476.	0.	0.	-7301.7	7301.8	0.18

553	6676.	0.	-6685.	-1.	0.	11.	13.	0.	0.	0.	0.	136.	-505.	-62.	0.	0.	-58.	0.	0.	0.	476.	0.	0.	-7311.4	7311.6	0.17
554	6685.	0.	-6726.	-11.	0.	52.	13.	0.	0.	0.	0.	135.	-505.	-62.	0.	0.	-58.	0.	0.	0.	475.	0.	0.	-7361.2	7361.4	0.17
555	6726.	0.	-6903.	-52.	0.	234.	13.	0.	0.	0.	0.	133.	-504.	-63.	0.	0.	-58.	0.	0.	0.	475.	0.	0.	-7580.3	7580.4	0.16
556	6903.	0.	-7677.	-234.	0.	1029.	13.	0.	0.	0.	0.	120.	-501.	-69.	0.	0.	-58.	0.	0.	0.	475.	0.	0.	-8539.6	8539.7	0.11

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

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
225	1.	0.	-10.	0.	0.	4.	2.	0.	0.	0.	0.	-148.	-25.	-5.	0.	0.	-74.	0.	0.	0.	255.	0.	0.	-261.1	261.1	-0.01
226	10.	0.	-14.	-4.	0.	2.	2.	0.	0.	0.	0.	-151.	-23.	-4.	0.	0.	-74.	0.	0.	0.	255.	0.	0.	-268.8	268.8	-0.01
227	14.	0.	-18.	-2.	0.	1.	2.	0.	0.	0.	0.	-152.	-22.	-4.	0.	0.	-74.	0.	0.	0.	255.	0.	0.	-271.6	271.6	-0.01
228	18.	0.	-22.	-1.	0.	1.	2.	0.	0.	0.	0.	-153.	-21.	-4.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-274.7	274.7	-0.01
229	22.	0.	-25.	-1.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-4.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-278.1	278.1	-0.01
230	25.	0.	-29.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-4.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-281.7	281.7	-0.01
231	29.	0.	-33.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-285.3	285.3	-0.01
232	33.	0.	-37.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-289.0	289.0	-0.01
233	37.	0.	-40.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-292.7	292.7	-0.01
234	40.	0.	-44.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-296.4	296.4	-0.01
235	44.	0.	-48.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-300.1	300.1	-0.01
236	48.	0.	-52.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-303.8	303.8	-0.01
237	52.	0.	-56.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-307.5	307.5	-0.01
238	56.	0.	-59.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-311.2	311.2	-0.01
239	59.	0.	-63.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-315.0	315.0	-0.01
240	63.	0.	-67.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-318.7	318.7	-0.01
241	67.	0.	-71.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-322.4	322.4	0.00
242	71.	0.	-74.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-326.2	326.2	0.00
243	74.	0.	-78.	0.	0.	0.	2.	0.	0.	0.	0.	-154.	-21.	-3.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-330.0	329.9	0.00
244	78.	0.	-82.	0.	0.	-1.	2.	0.	0.	0.	0.	-153.	-21.	-3.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-333.8	333.8	0.00
245	82.	0.	-85.	1.	0.	-1.	2.	0.	0.	0.	0.	-153.	-21.	-3.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-337.8	337.8	-0.01
246	85.	0.	-89.	1.	0.	-3.	2.	0.	0.	0.	0.	-152.	-22.	-4.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-342.1	342.1	0.00
247	89.	0.	-92.	3.	0.	-5.	2.	0.	0.	0.	0.	-150.	-22.	-4.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-346.9	346.9	0.00
248	92.	0.	-95.	5.	0.	-10.	2.	0.	0.	0.	0.	-147.	-24.	-4.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-352.8	352.8	-0.01
249	95.	0.	-98.	10.	0.	-18.	2.	0.	0.	0.	0.	-140.	-28.	-4.	0.	0.	-73.	0.	0.	0.	253.	0.	0.	-360.5	360.5	-0.01
250	98.	0.	-95.	18.	0.	0.	1.	0.	0.	0.	0.	-18.	-2.	0.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-127.1	127.1	0.00
251	95.	0.	-82.	0.	0.	0.	1.	0.	0.	0.	0.	-8.	-5.	0.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-107.0	107.0	0.00
252	82.	0.	-74.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	-7.	0.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-94.6	94.6	0.00
253	74.	0.	-69.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-9.	0.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-90.5	90.5	0.00
254	69.	0.	-66.	0.	0.	0.	1.	0.	0.	0.	0.	7.	-11.	0.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-88.9	88.9	0.00
255	66.	0.	-64.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-12.	0.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-88.2	88.2	0.00
256	64.	0.	-63.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-13.	0.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-88.2	88.2	0.00
257	63.	0.	-63.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-13.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-88.6	88.6	0.00
258	63.	0.	-63.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-14.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-89.3	89.3	0.00
259	63.	0.	-64.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-14.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-90.2	90.2	0.00
260	64.	0.	-64.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-15.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-91.5	91.5	0.00
261	64.	0.	-65.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-15.	-1.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-92.6	92.6	0.00
262	65.	0.	-66.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-15.	-1.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-93.9	93.9	0.00
263	66.	0.	-67.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-16.	-1.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-95.3	95.3	0.00
264	67.	0.	-69.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-16.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-96.7	96.7	0.00
265	69.	0.	-70.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-16.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-98.3	98.3	0.00
266	70.	0.	-72.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-16.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-99.9	99.9	0.00
267	72.	0.	-73.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-16.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-101.6	101.6	0.00

268	73.	0.	-75.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-16.	-1.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-103.3	103.3	0.00
269	75.	0.	-76.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-16.	-1.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-105.0	105.0	0.00
270	76.	0.	-78.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-16.	-1.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-106.8	106.8	0.00
271	78.	0.	-80.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-16.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-108.6	108.6	0.00
272	80.	0.	-82.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-16.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-110.4	110.4	0.00
273	82.	0.	-83.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-16.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-112.3	112.3	0.00
274	83.	0.	-85.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-16.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-114.2	114.2	0.00
275	85.	0.	-87.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-16.	-1.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-116.1	116.1	0.00
276	87.	0.	-89.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-16.	-1.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-118.1	118.1	0.00
277	89.	0.	-91.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-16.	-1.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-120.0	120.0	0.00
278	91.	0.	-93.	0.	0.	0.	1.	0.	0.	1.	0.	11.	-17.	-1.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-123.0	123.0	0.00
279	93.	0.	-95.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-17.	-1.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-124.5	124.5	0.00
280	95.	0.	-96.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-17.	-1.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-126.2	126.2	0.00
281	96.	0.	-98.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-17.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-128.1	128.1	0.00
282	98.	0.	-100.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-17.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-130.1	130.1	0.00
283	100.	0.	-103.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-17.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-132.2	132.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

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 DECA	NCM BKGD	SOD BOD1	SOD ALG	SOD NCM	SOD PHOT	ALG RESP	ALG PHOT	MAC OUT	TOT IN	TOT
284	103.	0.	-105.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-17.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-134.4	134.4	0.00
285	105.	0.	-98.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-18.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-138.6	138.6	0.00
286	98.	0.	-94.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-16.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-133.6	133.6	0.00
287	94.	0.	-92.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-15.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-130.6	130.6	0.00
288	92.	0.	-92.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-15.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-129.0	129.1	0.00
289	92.	0.	-92.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-14.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-128.4	128.4	0.00
290	92.	0.	-93.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-13.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-128.5	128.5	0.00
291	93.	0.	-94.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-13.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-128.9	128.9	0.00
292	94.	0.	-95.	0.	0.	0.	1.	0.	0.	1.	0.	16.	-13.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-130.8	130.8	0.00
293	95.	0.	-96.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-13.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-131.0	131.0	0.00
294	96.	0.	-97.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-12.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-131.5	131.5	0.00
295	97.	0.	-98.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-12.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-132.2	132.3	0.00
296	98.	0.	-99.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-11.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-133.1	133.1	0.00
297	99.	0.	-100.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-11.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-134.1	134.1	0.00
298	100.	0.	-101.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-11.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-135.0	135.0	0.00
299	101.	0.	-103.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-10.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-136.0	136.0	0.00
300	103.	0.	-104.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-10.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-136.9	136.9	0.00
301	104.	0.	-105.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-10.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-137.9	137.9	0.00
302	105.	0.	-106.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-10.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-138.7	138.7	0.00
303	106.	0.	-107.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-10.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-139.6	139.6	0.00
304	107.	0.	-108.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-10.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-140.4	140.4	0.00
305	108.	0.	-109.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-10.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-141.2	141.2	0.00
306	109.	0.	-110.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-141.9	141.9	0.00
307	110.	0.	-110.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-142.6	142.6	0.00
308	110.	0.	-111.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-143.3	143.3	0.00
309	111.	0.	-112.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-143.9	143.9	0.00
310	112.	0.	-113.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-144.5	144.5	0.00
311	113.	0.	-113.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-145.1	145.1	0.00
312	113.	0.	-114.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-10.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-146.1	146.1	0.00
313	114.	0.	-114.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-146.4	146.4	0.00
314	114.	0.	-115.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-146.7	146.7	0.00

315	115.	0.	-115.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-147.1	147.1	0.00
316	115.	0.	-116.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-147.5	147.5	0.00
317	116.	0.	-116.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-148.0	148.0	0.00
318	116.	0.	-117.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-148.4	148.4	0.00
319	117.	0.	-117.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-148.9	148.9	0.00
320	117.	0.	-118.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-149.4	149.4	0.00
321	118.	0.	-118.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-149.8	149.8	0.00
322	118.	0.	-119.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-150.3	150.3	0.00
323	119.	0.	-119.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-150.7	150.7	0.00
324	119.	0.	-120.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-151.2	151.2	0.00
325	120.	0.	-120.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-151.6	151.6	0.00
326	120.	0.	-120.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-152.0	152.0	0.00
327	120.	0.	-121.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-152.4	152.4	0.00
328	121.	0.	-121.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-152.9	152.9	0.00
329	121.	0.	-122.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-153.3	153.3	0.00
330	122.	0.	-122.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-153.7	153.7	0.00
331	122.	0.	-123.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-154.2	154.2	0.00
332	123.	0.	-123.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-154.4	154.4	0.00
333	123.	0.	-123.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-154.7	154.7	0.00
334	123.	0.	-123.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-155.1	155.1	0.00
335	123.	0.	-124.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-155.4	155.4	0.00
336	124.	0.	-124.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-155.7	155.7	0.00
337	124.	0.	-125.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-156.1	156.1	0.00
338	125.	0.	-125.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-156.4	156.4	0.00
339	125.	0.	-125.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-157.0	157.0	0.00
340	125.	0.	-125.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-157.2	157.2	0.00
341	125.	0.	-126.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-157.4	157.4	0.00
342	126.	0.	-126.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-157.6	157.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

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
343	126.	0.	-126.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-157.9	157.9	0.00
344	126.	0.	-127.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-158.2	158.2	0.00
345	127.	0.	-127.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-158.5	158.5	0.00
346	127.	0.	-127.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-158.9	158.9	0.00
347	127.	0.	-128.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-159.2	159.2	0.00
348	128.	0.	-128.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-9.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-159.5	159.5	0.00
349	128.	0.	-128.	0.	0.	0.	1.	0.	0.	0.	0.	17.	-9.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-159.8	159.8	0.00
350	128.	0.	-129.	0.	0.	0.	1.	0.	0.	0.	0.	17.	-9.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-160.1	160.1	0.00
351	129.	0.	-129.	0.	0.	0.	1.	0.	0.	0.	0.	17.	-9.	-1.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-160.5	160.5	0.00
352	129.	0.	-121.	0.	0.	0.	1.	0.	0.	6.	0.	20.	-15.	-13.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-170.3	170.3	0.01
353	121.	0.	-112.	0.	0.	0.	1.	0.	0.	0.	0.	23.	-14.	-11.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-158.6	158.6	0.02
354	112.	0.	-105.	0.	0.	0.	1.	0.	0.	0.	0.	24.	-14.	-10.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-150.6	150.6	0.02
355	105.	0.	-102.	0.	0.	0.	1.	0.	0.	0.	0.	25.	-13.	-9.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-145.3	145.4	0.02
356	102.	0.	-100.	0.	0.	0.	1.	0.	0.	0.	0.	26.	-13.	-8.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-142.1	142.1	0.02
357	100.	0.	-99.	0.	0.	0.	1.	0.	0.	0.	0.	26.	-12.	-7.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-140.3	140.4	0.02
358	99.	0.	-100.	0.	0.	0.	1.	0.	0.	0.	0.	26.	-12.	-7.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-139.7	139.7	0.02
359	100.	0.	-101.	0.	0.	0.	1.	0.	0.	0.	0.	26.	-12.	-6.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-139.8	139.8	0.02
360	101.	0.	-102.	0.	0.	0.	1.	0.	0.	0.	0.	26.	-12.	-5.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-140.5	140.5	0.01
361	102.	0.	-104.	0.	0.	0.	1.	0.	0.	0.	0.	25.	-11.	-5.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-141.5	141.5	0.01

362	104.	0.	-106.	0.	0.	0.	1.	0.	0.	0.	0.	25.	-11.	-5.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-142.9	142.9	0.01
363	106.	0.	-108.	0.	0.	0.	1.	0.	0.	0.	0.	25.	-11.	-4.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-144.4	144.4	0.01
364	108.	0.	-110.	0.	0.	0.	1.	0.	0.	0.	0.	24.	-11.	-4.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-146.0	146.0	0.01
365	110.	0.	-112.	0.	0.	0.	1.	0.	0.	0.	0.	24.	-11.	-4.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-147.6	147.6	0.01
366	112.	0.	-114.	0.	0.	0.	1.	0.	0.	0.	0.	24.	-10.	-3.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-149.3	149.3	0.01
367	114.	0.	-116.	0.	0.	0.	1.	0.	0.	0.	0.	23.	-10.	-3.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-150.9	150.9	0.01
368	116.	0.	-118.	0.	0.	0.	1.	0.	0.	0.	0.	23.	-10.	-3.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-152.5	152.5	0.00
369	118.	0.	-120.	0.	0.	0.	1.	0.	0.	1.	0.	23.	-10.	-3.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-154.8	154.8	0.00
370	120.	0.	-122.	0.	0.	0.	1.	0.	0.	0.	0.	22.	-10.	-3.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-156.0	156.0	0.00
371	122.	0.	-123.	0.	0.	0.	1.	0.	0.	0.	0.	22.	-10.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-157.3	157.3	0.00
372	123.	0.	-125.	0.	0.	0.	1.	0.	0.	0.	0.	22.	-10.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-158.5	158.5	0.00
373	125.	0.	-571.	0.	0.	0.	1.	0.	0.	473.	0.	-1.	-15.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-611.2	611.2	-0.01
374	571.	0.	-547.	0.	0.	0.	1.	0.	0.	0.	0.	1.	-15.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-585.3	585.3	0.00
375	547.	0.	-525.	0.	0.	0.	1.	0.	0.	0.	0.	3.	-15.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-562.8	562.8	0.00
376	525.	0.	-505.	0.	0.	0.	1.	0.	0.	0.	0.	5.	-15.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-542.5	542.5	0.00
377	505.	0.	-486.	0.	0.	0.	1.	0.	0.	0.	0.	7.	-14.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-523.9	523.9	0.00
378	486.	0.	-470.	0.	0.	0.	1.	0.	0.	0.	0.	8.	-14.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-507.1	507.1	0.00
379	470.	0.	-455.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-14.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-491.8	491.8	0.00
380	455.	0.	-441.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-14.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-477.9	477.9	0.00
381	441.	0.	-429.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-14.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-465.3	465.3	0.00
382	429.	0.	-417.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-13.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-453.9	453.9	0.00
383	417.	0.	-407.	0.	0.	0.	1.	0.	0.	0.	0.	14.	-13.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-443.5	443.5	0.00
384	407.	0.	-398.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-13.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-434.1	434.1	0.00
385	398.	0.	-390.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-13.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-425.6	425.6	0.00
386	390.	0.	-382.	0.	0.	0.	1.	0.	0.	0.	0.	16.	-13.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-417.9	417.9	0.00
387	382.	0.	-375.	0.	0.	0.	1.	0.	0.	0.	0.	17.	-13.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-410.9	410.9	0.00
388	375.	0.	-369.	0.	0.	0.	1.	0.	0.	0.	0.	18.	-13.	-1.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-404.5	404.5	0.00
389	369.	0.	-363.	0.	0.	0.	1.	0.	0.	0.	0.	18.	-12.	-1.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-398.8	398.8	0.00
390	363.	0.	-358.	0.	0.	0.	1.	0.	0.	0.	0.	19.	-12.	-1.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-393.6	393.6	0.00
391	358.	0.	-354.	0.	0.	0.	1.	0.	0.	0.	0.	19.	-12.	-1.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-388.9	388.9	0.00
392	354.	0.	-350.	0.	0.	0.	1.	0.	0.	0.	0.	19.	-12.	-1.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-384.7	384.7	0.00
393	350.	0.	-346.	0.	0.	0.	1.	0.	0.	0.	0.	20.	-12.	-1.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-380.8	380.8	0.00
394	346.	0.	-343.	0.	0.	0.	1.	0.	0.	0.	0.	20.	-12.	-1.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-377.4	377.4	0.00
395	343.	0.	-340.	0.	0.	0.	1.	0.	0.	0.	0.	20.	-12.	-1.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-374.3	374.3	0.00
396	340.	0.	-337.	0.	0.	0.	1.	0.	0.	0.	0.	21.	-12.	-1.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-371.5	371.5	0.00
397	337.	0.	-335.	0.	0.	0.	1.	0.	0.	0.	0.	21.	-12.	-1.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-368.9	368.9	0.00
398	335.	0.	-332.	0.	0.	0.	1.	0.	0.	0.	0.	21.	-11.	-1.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-366.7	366.7	0.00
399	332.	0.	-330.	0.	0.	0.	1.	0.	0.	0.	0.	21.	-11.	-1.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-364.6	364.6	0.00
400	330.	0.	-329.	0.	0.	0.	1.	0.	0.	0.	0.	22.	-11.	-1.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-362.8	362.8	0.00
401	329.	0.	-585.	0.	0.	0.	1.	0.	0.	259.	0.	29.	-19.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-627.1	627.1	0.01

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

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 DECA	NCM BKGD	SOD BOD1	SOD ALG	SOD NCM	ALG PHOT	ALG RESP	MAC PHOT	TOT OUT	TOT IN
402	585.	0.	-583.	0.	0.	0.	1.	0.	0.	0.	0.	29.	-19.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-624.7	624.7	0.01
403	583.	0.	-580.	0.	0.	0.	1.	0.	0.	0.	0.	29.	-19.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-622.1	622.1	0.01
404	580.	0.	-578.	0.	0.	0.	1.	0.	0.	0.	0.	29.	-19.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-619.8	619.8	0.01

LA-QUAL calibration for Gulf ICWW and Bayou Black

FTN Field Survey calibration

INPUT/OUTPUT LOADING SUMMARY

FLOW	DO	BOD#1	BOD#2	ORG-N	NH3-N	NO3-N	PHOS	CHL A	NCM
m^3/s	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d		

HEADWATER FLOW	0.262	148.5	87.4	0.0	29.5	2.4	0.0	0.0	0.0	0.0
INCREMENTAL INFLOW	7.686	4723.2	4333.9	0.0	920.1	66.4	0.0	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	78.326	34742.4	39942.2	0.0	10262.4	711.7	4.3	0.0	0.0	0.0
WITHDRAWLS	-62.708	-23786.6	-16697.9	0.0	-7421.6	-663.1	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	-23.567	-7677.0	-7826.0	0.0	-1434.6	-259.7	0.0	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		1029.3	-53.9	0.0	-874.1	27.9	335.0	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	171150.0	0.0	5770.0					0.0
NATURAL REAERATION		41580.9								
DAM REAERATION		0.0								
BACKGROUND SOD		-60743.7								
BOD#1 DECAY		-190935.8	-190935.8							
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			-7251.6	7251.6				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-30892.7				-7134.6	7134.6			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		231823.3				0.0	-22290.7	0.0	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	86.274	314047.6	215513.5	0.0	16982.0	8060.1	7473.8	0.0	0.0	0.0
TOTAL OUTPUTS	-86.274	-314035.7	-215513.7	0.0	-16982.0	-8057.3	-22290.7	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	11.9	-0.1	0.0	0.0	2.8	-14816.9	0.0	0.0	0.0

.....EXECUTION COMPLETED

Calibration output file for subsegment 120204

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\0608 MT\0608 MT - Verret\Cal\Verret_CAL_0608.txt
Output produced at 10:04 on 06/22/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
TITLE02        Calibration Simulation for Lake Verret and Grassy Lake model
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                     <Warning: legacy control - line ignored>
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)
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        TIDE HEIGHT                       =        0.10000 meters
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
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
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$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                    BEGIN      END   ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                     km        km     km     km            NUM   NUM
REACH ID    1  GL   Grassy Lake                  28.30  TO  24.80  0.1000    3.50     35      1    35
REACH ID    2  FB   Fourmile Bayou 1             24.80  TO  22.80  0.1000    2.00     20     36    55
REACH ID    3  OB   Fourmile Bayou Oxbow          4.20  TO   0.00  0.1000    4.20     42     56    97
REACH ID    4  F2   Fourmile Bayou 2             22.80  TO  19.40  0.1000    3.40     34     98   131
REACH ID    5  V3   Lake Verret 1                19.40  TO  14.50  0.1000    4.90     49    132   180
REACH ID    6  V2   Lake Verret 2                14.50  TO   2.90  0.1000   11.60    116    181   296
REACH ID    7  V1   Lake Verret 3                 2.90  TO   0.00  0.1000    2.90     29    297   325
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID     WIDTH     WIDTH     WIDTH     DEPTH     DEPTH     DEPTH    SLOPE   MANNINGS
                 "A"       "B"       "C"       "D"       "E"       "F"              "N"
HYDR-1      1  GL     0.000     0.000  1343.000     0.000     0.000     1.010   0.00000   0.050
HYDR-1      2  FB     0.000     0.000   107.000     0.000     0.000     5.240   0.00000   0.050
HYDR-1      3  OB     0.000     0.000    87.000     0.000     0.000     2.500   0.00000   0.050
HYDR-1      4  F2     0.000     0.000    87.000     0.000     0.000     4.390   0.00000   0.050
HYDR-1      5  V3     0.000     0.000  1892.000     0.000     0.000     1.340   0.00000   0.050
HYDR-1      6  V2     0.000     0.000  4092.000     0.000     0.000     2.130   0.00000   0.050
HYDR-1      7  V1     0.000     0.000   767.000     0.000     0.000     1.950   0.00000   0.050
ENDATA09
$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID    TIDAL    DISPERSION    DISPERSION    DISPERSION    DISPERSION
                 RANGE      "A"          "B"          "C"          "D"
HYDR        1  GL    0.00      0.500        0.000        0.000        0.000
HYDR        2  FB    0.00      0.300        0.000        0.000        0.000
HYDR        3  OB    0.00      0.300        0.000        0.000        0.000
HYDR        4  F2    0.00      0.200        0.000        0.000        0.000
HYDR        5  V3    0.00      0.400        0.000        0.000        0.000
HYDR        6  V2    0.00      0.400        0.000        0.000        0.000
HYDR        7  V1    0.00      0.500        0.000        0.000        0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE     REACH  ID     TEMP    SALIN      DO      NH3    NO3+2     PHOS    CHL A    MACRO
INITIAL         1  GL    33.10     0.00     5.00     0.10     0.04     0.00   100.00     0.00
INITIAL         2  FB    33.90     0.00     5.00     0.10     0.04     0.00    95.00     0.00
INITIAL         3  OB    33.90     0.00     5.00     0.10     0.04     0.00    95.00     0.00
INITIAL         4  F2    32.90     0.00     5.00     0.10     0.04     0.00    30.00     0.00
INITIAL         5  V3    32.80     0.00     5.00     0.10     0.04     0.00   100.00     0.00
INITIAL         6  V2    32.60     0.00     5.00     0.10     0.04     0.00   105.00     0.00
INITIAL         7  V1    32.50     0.00     5.00     0.10     1.10     0.00    50.00     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/m²/d  per day     m/d          per day  per day     m/d          per day
COEFF-1   1  GL  20 K2=a/D       0.750   0.000   0.000   0.700   0.180   0.000   0.000   0.000   0.000   0.000   0.000   0.000
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COEFF-1   2  FB   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3  OB   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   4  F2   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   5  V3  20 K2=a/D          0.750    0.000    0.000    1.500    0.160    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   6  V2  20 K2=a/D          0.750    0.000    0.000    1.500    0.160    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   7  V1  20 K2=a/D          0.750    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  GL      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         2  FB      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         3  OB      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         4  F2      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         5  V3      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         6  V2      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         7  V1      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
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
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  GL   38000.00   1000.00      0.00      0.00     0.00     0.00
NONPOINT        2  FB   12000.00    800.00      0.00      0.00     0.00     0.00
NONPOINT        3  OB   10000.00    800.00      0.00      0.00     0.00     0.00
NONPOINT        4  F2   13000.00   1500.00      0.00      0.00     0.00     0.00
NONPOINT        5  V3  220000.00   3000.00      0.00      0.00     0.00     0.00
NONPOINT        6  V2  400000.00     50.00      0.00      0.00     0.00     0.00
NONPOINT        7  V1   10000.00      0.00      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
                                          m³/s      cfs   deg C      ppt
HDWTR-1        1    Grassy Lake            0  60.70000 2143.362   33.10     0.00     0.000     0.000   0.00
HDWTR-1       56    Fourmile Bayou Oxbow   0   8.80000  310.734   33.90     0.00     0.000     0.000   0.00
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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    Grassy Lake            6.70    23.50     1.60     0.10     0.04     0.00
HDWTR-2       56    Fourmile Bayou Oxbow   6.80    25.50     1.70     0.10     0.04     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   UPSTRM    RIVER    NAME
          ELEMENT  ELEMENT    KILOM
JUNCTION       98     55     22.80  Fourmile Bayou Oxbow
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT    RKILO  NAME                  FLOW      FLOW     FLOW    TEMP    SALIN     CM-I     CM-II
                                                   m³/s       cfs      MGD   deg C      ppt
WSTLD-1      26     25.80  Outflow to FB Oxbow   -8.80000 -310.73447 -200.863   33.90     0.00     0.000     0.000
WSTLD-1     132     19.40  Bayou Magazille       30.10000 1062.85315  687.041   33.10     0.00     0.000     0.000
WSTLD-1     140     18.60  NPDES Group1           0.00157    0.05544    0.036    0.00     0.00     0.000     0.000
WSTLD-1     149     17.70  LAG540112              0.00044    0.01554    0.010    0.00     0.00     0.000     0.000
WSTLD-1     208     11.80  LAG560026              0.00125    0.04414    0.029    0.00     0.00     0.000     0.000
WSTLD-1     264      6.20  NPDES Group2           0.00922    0.32556    0.210    0.00     0.00     0.000     0.000
WSTLD-1     319      0.70  NPDES Group3           0.00008    0.00282    0.002    0.00     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       26    Outflow to FB Oxbow      6.80    25.50     0.00     1.70     0.10     0.00     0.00     0.00
WSTLD-2      132    Bayou Magazille          7.60    16.80     0.00     2.40     0.10     0.00     0.20     0.00
WSTLD-2      140    NPDES Group1             5.00    69.00     0.00     2.00     1.50     0.00     2.00     0.00
WSTLD-2      149    LAG540112                5.00    69.00     0.00     2.00     1.50     0.00     2.00     0.00
WSTLD-2      208    LAG560026                5.00    46.00     0.00     2.00     1.50     0.00     2.00     0.00
WSTLD-2      264    NPDES Group2             5.00    27.20     0.00     2.00     5.72     0.00     2.00     0.00
WSTLD-2      319    NPDES Group3             5.00   103.50     0.00     2.00     1.50     0.00     2.00     0.00
ENDATA25
$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                    PHOS    CHL A     COLI      NCM
                                              mg/L     mg/L     mg/L     mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                  CONCENTRATION
LOWER BC     TEMPERATURE                     30.800     deg C
LOWER BC     SALINITY                         0.000     ppt
LOWER BC     CONSERVATIVE MATERIAL I          0.000
LOWER BC     CONSERVATIVE MATERIAL II         0.000
LOWER BC     DISSOLVED OXYGEN                 4.400     mg/L
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LOWER BC    BIOCHEMICAL OXYGEN DEMAND          2.750    mg/L
LOWER BC    ORGANIC NITROGEN                   0.000    mg/L
LOWER BC    AMMONIA NITROGEN                   0.100    mg/L
LOWER BC    NITRATE + NITRITE                  1.100    mg/L
LOWER BC    PHOSPHORUS                         0.000    mg/L
LOWER BC    CHLOROPHYLL A                      2.000    µg/L
LOWER BC    COLIFORM                           0.000    #/100 mL
LOWER BC    NONCONSERVATIVE MATERIAL           0.000
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 =  2
NUMBER OF REACHES IN PLOT 1 =   6
PLOT RCH  1  2  4  5  6  7
NUMBER OF REACHES IN PLOT 1 =   1
PLOT RCH  3
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 LakeVerret.OVL          :Lake Verret and Grassy Lake
ENDATA31
    .....NO ERRORS DETECTED IN INPUT DATA
    .....HYDRAULIC CALCULATIONS COMPLETED
    .....TRIDIAGONAL MATRIX TERMS INITIALIZED
    .....OXYGEN DEPENDENT RATES CONVERGENT IN  17 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
INTERMEDIATE REPORT
 Dissolved Oxygen                    LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
   mg/L                              Calibration Simulation for Lake Verret and Grassy Lake model
 ID  RCH  ELEM      +0      +1      +2      +3      +4      +5      +6      +7      +8      +9
 GL   1    1     6.70    6.70    6.70    6.70    6.70    6.69    6.69    6.69    6.69    6.68
 GL   1   11     6.68    6.67    6.67    6.66    6.66    6.65    6.65    6.64    6.64    6.63
 GL   1   21     6.62    6.61    6.61    6.60    6.59    6.58    6.57    6.56    6.55    6.54
 GL   1   31     6.53    6.52    6.51    6.50    6.49
 FB   2   36     6.46    6.43    6.39    6.35    6.31    6.27    6.22    6.16    6.11    6.05
 FB   2   46     5.98    5.91    5.84    5.77    5.69    5.61    5.53    5.44    5.35    5.24
 F2   4   98     4.57    4.52    4.46    4.41    4.36    4.31    4.27    4.22    4.18    4.14
 F2   4  108     4.10    4.06    4.02    3.98    3.95    3.91    3.88    3.85    3.82    3.79
 F2   4  118     3.76    3.74    3.71    3.69    3.67    3.65    3.63    3.61    3.60    3.58
 F2   4  128     3.57    3.56    3.55    3.65
 V3   5  132     4.94    4.98    5.01    5.05    5.08    5.11    5.13    5.15    5.16    5.18
 V3   5  142     5.19    5.20    5.20    5.20    5.20    5.20    5.19    5.19    5.18    5.16
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V3	5	152	5.15	5.13	5.11	5.09	5.07	5.05	5.02	4.99	4.96	4.93
V3	5	162	4.90	4.86	4.83	4.79	4.75	4.72	4.68	4.63	4.59	4.55
V3	5	172	4.50	4.46	4.41	4.36	4.32	4.27	4.22	4.16	4.09	
V2	6	181	3.96	3.85	3.77	3.71	3.66	3.62	3.60	3.59	3.60	3.61
V2	6	191	3.63	3.67	3.71	3.75	3.81	3.86	3.93	3.99	4.06	4.14
V2	6	201	4.22	4.30	4.38	4.46	4.55	4.63	4.72	4.80	4.89	4.97
V2	6	211	5.06	5.14	5.23	5.31	5.39	5.47	5.55	5.63	5.70	5.77
V2	6	221	5.84	5.91	5.98	6.05	6.11	6.17	6.23	6.28	6.34	6.39
V2	6	231	6.44	6.48	6.53	6.57	6.61	6.64	6.68	6.71	6.74	6.77
V2	6	241	6.79	6.81	6.83	6.85	6.86	6.88	6.89	6.90	6.90	6.91
V2	6	251	6.91	6.91	6.90	6.90	6.89	6.88	6.87	6.86	6.84	6.83
V2	6	261	6.81	6.79	6.77	6.74	6.72	6.69	6.66	6.63	6.60	6.56
V2	6	271	6.53	6.49	6.45	6.41	6.37	6.33	6.29	6.24	6.20	6.15
V2	6	281	6.10	6.05	6.00	5.95	5.89	5.84	5.79	5.73	5.67	5.61
V2	6	291	5.55	5.49	5.43	5.37	5.31	5.27				
V1	7	297	5.25	5.23	5.21	5.19	5.16	5.13	5.11	5.07	5.04	5.01
V1	7	307	4.97	4.93	4.89	4.85	4.81	4.76	4.71	4.66	4.61	4.56
V1	7	317	4.51	4.45	4.39	4.34	4.28	4.21	4.15	4.09	4.09	
OB	3	56	6.67	6.54	6.41	6.28	6.15	6.01	5.87	5.73	5.59	5.44
OB	3	66	5.29	5.14	4.98	4.82	4.66	4.50	4.34	4.17	4.00	3.83
OB	3	76	3.65	3.48	3.30	3.12	2.93	2.75	2.56	2.37	2.18	1.99
OB	3	86	1.83	1.69	1.58	1.47	1.38	1.30	1.23	1.17	1.11	1.06
OB	3	96	1.03	1.29								

INTERMEDIATE REPORT

Effective BOD — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	23.51	23.51	23.52	23.53	23.53	23.54	23.54	23.55	23.55	23.56
GL	1	11	23.56	23.57	23.57	23.58	23.58	23.58	23.59	23.59	23.59	23.59
GL	1	21	23.59	23.60	23.60	23.60	23.60	23.60	23.60	23.60	23.60	23.60
GL	1	31	23.60	23.60	23.60	23.60	23.60					
FB	2	36	23.62	23.63	23.65	23.67	23.69	23.70	23.72	23.74	23.76	23.78
FB	2	46	23.79	23.81	23.83	23.85	23.87	23.89	23.91	23.93	23.95	23.98
F2	4	98	24.50	24.51	24.51	24.52	24.52	24.53	24.53	24.54	24.54	24.55
F2	4	108	24.55	24.56	24.56	24.57	24.57	24.58	24.58	24.59	24.59	24.60
F2	4	118	24.60	24.61	24.61	24.62	24.62	24.63	24.63	24.64	24.64	24.65
F2	4	128	24.65	24.66	24.66	24.49						
V3	5	132	22.46	22.82	23.18	23.53	23.88	24.23	24.57	24.91	25.25	25.58
V3	5	142	25.92	26.24	26.57	26.89	27.21	27.53	27.84	28.15	28.46	28.77
V3	5	152	29.07	29.37	29.67	29.96	30.25	30.54	30.83	31.11	31.39	31.67
V3	5	162	31.95	32.22	32.49	32.76	33.03	33.29	33.55	33.81	34.07	34.33
V3	5	172	34.58	34.83	35.08	35.32	35.57	35.81	36.05	36.26	36.31	
V2	6	181	35.56	34.90	34.26	33.64	33.04	32.45	31.89	31.34	30.81	30.30
V2	6	191	29.80	29.31	28.85	28.39	27.95	27.52	27.11	26.71	26.32	25.94
V2	6	201	25.57	25.22	24.87	24.54	24.21	23.90	23.60	23.30	23.02	22.74
V2	6	211	22.47	22.21	21.96	21.71	21.47	21.24	21.02	20.80	20.59	20.39
V2	6	221	20.19	20.00	19.82	19.64	19.46	19.29	19.13	18.97	18.82	18.67
V2	6	231	18.52	18.38	18.24	18.11	17.98	17.86	17.74	17.62	17.51	17.40
V2	6	241	17.29	17.19	17.09	16.99	16.90	16.81	16.72	16.64	16.55	16.47
V2	6	251	16.40	16.32	16.25	16.18	16.11	16.04	15.98	15.91	15.85	15.79

V2	6	261	15.74	15.68	15.63	15.58	15.53	15.48	15.43	15.38	15.34	15.30
V2	6	271	15.25	15.21	15.17	15.14	15.10	15.06	15.03	14.99	14.96	14.93
V2	6	281	14.90	14.87	14.84	14.81	14.79	14.76	14.73	14.71	14.69	14.66
V2	6	291	14.64	14.62	14.60	14.58	14.56	14.53				
V1	7	297	14.49	14.43	14.38	14.33	14.28	14.23	14.18	14.13	14.08	14.03
V1	7	307	13.98	13.94	13.89	13.84	13.80	13.75	13.71	13.66	13.62	13.58
V1	7	317	13.53	13.49	13.45	13.41	13.37	13.33	13.28	13.14	11.74	
OB	3	56	25.52	25.55	25.57	25.59	25.62	25.64	25.66	25.69	25.71	25.74
OB	3	66	25.76	25.78	25.81	25.83	25.85	25.88	25.90	25.93	25.95	25.97
OB	3	76	26.00	26.02	26.05	26.07	26.10	26.12	26.14	26.17	26.19	26.22
OB	3	86	26.27	26.34	26.43	26.53	26.64	26.76	26.89	27.04	27.19	27.34
OB	3	96	27.47	27.28								

INTERMEDIATE REPORT

Biochemical Oxygen Demand — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	23.51	23.51	23.52	23.53	23.53	23.54	23.54	23.55	23.55	23.56
GL	1	11	23.56	23.57	23.57	23.58	23.58	23.58	23.59	23.59	23.59	23.59
GL	1	21	23.59	23.60	23.60	23.60	23.60	23.60	23.60	23.60	23.60	23.60
GL	1	31	23.60	23.60	23.60	23.60	23.60					
FB	2	36	23.62	23.63	23.65	23.67	23.69	23.70	23.72	23.74	23.76	23.78
FB	2	46	23.79	23.81	23.83	23.85	23.87	23.89	23.91	23.93	23.95	23.98
F2	4	98	24.50	24.51	24.51	24.52	24.52	24.53	24.53	24.54	24.54	24.55
F2	4	108	24.55	24.56	24.56	24.57	24.57	24.58	24.58	24.59	24.59	24.60
F2	4	118	24.60	24.61	24.61	24.62	24.62	24.63	24.63	24.64	24.64	24.65
F2	4	128	24.65	24.66	24.66	24.49						
V3	5	132	22.46	22.82	23.18	23.53	23.88	24.23	24.57	24.91	25.25	25.58
V3	5	142	25.92	26.24	26.57	26.89	27.21	27.53	27.84	28.15	28.46	28.77
V3	5	152	29.07	29.37	29.67	29.96	30.25	30.54	30.83	31.11	31.39	31.67
V3	5	162	31.95	32.22	32.49	32.76	33.03	33.29	33.55	33.81	34.07	34.33
V3	5	172	34.58	34.83	35.08	35.32	35.57	35.81	36.05	36.26	36.31	
V2	6	181	35.56	34.90	34.26	33.64	33.04	32.45	31.89	31.34	30.81	30.30
V2	6	191	29.80	29.31	28.85	28.39	27.95	27.52	27.11	26.71	26.32	25.94
V2	6	201	25.57	25.22	24.87	24.54	24.21	23.90	23.60	23.30	23.02	22.74
V2	6	211	22.47	22.21	21.96	21.71	21.47	21.24	21.02	20.80	20.59	20.39
V2	6	221	20.19	20.00	19.82	19.64	19.46	19.29	19.13	18.97	18.82	18.67
V2	6	231	18.52	18.38	18.24	18.11	17.98	17.86	17.74	17.62	17.51	17.40
V2	6	241	17.29	17.19	17.09	16.99	16.90	16.81	16.72	16.64	16.55	16.47
V2	6	251	16.40	16.32	16.25	16.18	16.11	16.04	15.98	15.91	15.85	15.79
V2	6	261	15.74	15.68	15.63	15.58	15.53	15.48	15.43	15.38	15.34	15.30
V2	6	271	15.25	15.21	15.17	15.14	15.10	15.06	15.03	14.99	14.96	14.93
V2	6	281	14.90	14.87	14.84	14.81	14.79	14.76	14.73	14.71	14.69	14.66
V2	6	291	14.64	14.62	14.60	14.58	14.56	14.53				
V1	7	297	14.49	14.43	14.38	14.33	14.28	14.23	14.18	14.13	14.08	14.03
V1	7	307	13.98	13.94	13.89	13.84	13.80	13.75	13.71	13.66	13.62	13.58
V1	7	317	13.53	13.49	13.45	13.41	13.37	13.33	13.28	13.14	11.74	
OB	3	56	25.52	25.55	25.57	25.59	25.62	25.64	25.66	25.69	25.71	25.74
OB	3	66	25.76	25.78	25.81	25.83	25.85	25.88	25.90	25.93	25.95	25.97
OB	3	76	26.00	26.02	26.05	26.07	26.10	26.12	26.14	26.17	26.19	26.22
OB	3	86	26.27	26.34	26.43	26.53	26.64	26.76	26.89	27.04	27.19	27.34

OB	3	96	27.47	27.28								

INTERMEDIATE REPORT

Organic Nitrogen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	1.60	1.61	1.61	1.62	1.62	1.63	1.63	1.64	1.64	1.64
GL	1	11	1.65	1.65	1.66	1.66	1.67	1.67	1.67	1.68	1.68	1.69
GL	1	21	1.69	1.70	1.70	1.70	1.71	1.71	1.72	1.72	1.73	1.73
GL	1	31	1.74	1.74	1.75	1.75	1.76					
FB	2	36	1.77	1.77	1.78	1.79	1.80	1.81	1.82	1.82	1.83	1.84
FB	2	46	1.85	1.86	1.87	1.87	1.88	1.89	1.90	1.91	1.92	1.93
F2	4	98	2.04	2.05	2.06	2.07	2.07	2.08	2.09	2.10	2.11	2.11
F2	4	108	2.12	2.13	2.14	2.15	2.15	2.16	2.17	2.18	2.19	2.19
F2	4	118	2.20	2.21	2.22	2.23	2.23	2.24	2.25	2.26	2.27	2.27
F2	4	128	2.28	2.29	2.30	2.31						
V3	5	132	2.34	2.35	2.36	2.36	2.37	2.37	2.38	2.38	2.39	2.40
V3	5	142	2.40	2.41	2.41	2.42	2.43	2.43	2.44	2.44	2.45	2.45
V3	5	152	2.46	2.47	2.47	2.48	2.48	2.49	2.49	2.50	2.51	2.51
V3	5	162	2.52	2.52	2.53	2.53	2.54	2.55	2.55	2.56	2.56	2.57
V3	5	172	2.57	2.58	2.59	2.59	2.60	2.60	2.61	2.61	2.62	
V2	6	181	2.61	2.60	2.59	2.59	2.58	2.57	2.56	2.56	2.55	2.54
V2	6	191	2.54	2.53	2.52	2.51	2.51	2.50	2.49	2.49	2.48	2.47
V2	6	201	2.47	2.46	2.45	2.44	2.44	2.43	2.42	2.42	2.41	2.40
V2	6	211	2.40	2.39	2.38	2.38	2.37	2.36	2.36	2.35	2.34	2.34
V2	6	221	2.33	2.32	2.32	2.31	2.30	2.30	2.29	2.28	2.28	2.27
V2	6	231	2.27	2.26	2.25	2.25	2.24	2.23	2.23	2.22	2.21	2.21
V2	6	241	2.20	2.20	2.19	2.18	2.18	2.17	2.17	2.16	2.15	2.15
V2	6	251	2.14	2.14	2.13	2.12	2.12	2.11	2.11	2.10	2.09	2.09
V2	6	261	2.08	2.08	2.07	2.06	2.06	2.05	2.05	2.04	2.04	2.03
V2	6	271	2.02	2.02	2.01	2.01	2.00	2.00	1.99	1.98	1.98	1.97
V2	6	281	1.97	1.96	1.96	1.95	1.95	1.94	1.93	1.93	1.92	1.92
V2	6	291	1.91	1.91	1.90	1.90	1.89	1.89				
V1	7	297	1.89	1.89	1.89	1.88	1.88	1.88	1.88	1.88	1.88	1.88
V1	7	307	1.88	1.88	1.88	1.88	1.87	1.87	1.87	1.87	1.87	1.87
V1	7	317	1.87	1.87	1.87	1.87	1.87	1.86	1.86	1.84	1.60	
OB	3	56	1.73	1.75	1.77	1.80	1.82	1.84	1.87	1.89	1.91	1.94
OB	3	66	1.96	1.99	2.01	2.03	2.06	2.08	2.10	2.13	2.15	2.17
OB	3	76	2.20	2.22	2.24	2.27	2.29	2.31	2.34	2.36	2.38	2.41
OB	3	86	2.43	2.45	2.48	2.50	2.52	2.55	2.57	2.59	2.62	2.64
OB	3	96	2.66	2.62								

INTERMEDIATE REPORT

Ammonia Nitrogen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
GL	1	11	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09
GL	1	21	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
GL	1	31	0.09	0.09	0.09	0.09	0.09					
FB	2	36	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

FB	2	46	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
F2	4	98	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10
F2	4	108	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
F2	4	118	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
F2	4	128	0.10	0.10	0.10	0.10						
V3	5	132	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
V3	5	142	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
V3	5	152	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
V3	5	162	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
V3	5	172	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	
V2	6	181	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13
V2	6	191	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
V2	6	201	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
V2	6	211	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12
V2	6	221	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
V2	6	231	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11
V2	6	241	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
V2	6	251	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
V2	6	261	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10
V2	6	271	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
V2	6	281	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
V2	6	291	0.10	0.10	0.10	0.10	0.10	0.10				
V1	7	297	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
V1	7	307	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
V1	7	317	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
OB	3	56	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
OB	3	66	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
OB	3	76	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
OB	3	86	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12
OB	3	96	0.12	0.12								

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	31	0.00	0.00	0.00	0.00	0.00					
FB	2	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FB	2	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	128	0.00	0.00	0.00	0.00						
V3	5	132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
V2	6	181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

V2	6	191	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	201	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	211	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	221	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	241	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	251	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	261	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	271	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	281	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	291	0.00	0.00	0.00	0.00	0.00	0.00				
V1	7	297	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	307	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	317	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OB	3	56	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	96	0.00	0.00								

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	1.73	1.73	1.72	1.72	1.72	1.72	1.73	1.73	1.74	1.74
GL	1	11	1.74	1.75	1.75	1.76	1.76	1.77	1.77	1.77	1.78	1.78
GL	1	21	1.79	1.79	1.79	1.80	1.80	1.81	1.81	1.82	1.82	1.82
GL	1	31	1.83	1.83	1.84	1.84	1.85					
FB	2	36	1.86	1.86	1.87	1.88	1.89	1.90	1.91	1.91	1.92	1.93
FB	2	46	1.94	1.95	1.96	1.96	1.97	1.98	1.99	2.00	2.01	2.02
F2	4	98	2.14	2.14	2.15	2.16	2.17	2.18	2.19	2.19	2.20	2.21
F2	4	108	2.22	2.23	2.23	2.24	2.25	2.26	2.27	2.27	2.28	2.29
F2	4	118	2.30	2.31	2.31	2.32	2.33	2.34	2.35	2.35	2.36	2.37
F2	4	128	2.38	2.39	2.40	2.41						
V3	5	132	2.44	2.45	2.45	2.46	2.47	2.47	2.48	2.49	2.49	2.50
V3	5	142	2.50	2.51	2.52	2.52	2.53	2.53	2.54	2.55	2.55	2.56
V3	5	152	2.56	2.57	2.58	2.58	2.59	2.60	2.60	2.61	2.61	2.62
V3	5	162	2.63	2.63	2.64	2.64	2.65	2.66	2.66	2.67	2.67	2.68
V3	5	172	2.69	2.69	2.70	2.70	2.71	2.72	2.72	2.73	2.73	
V2	6	181	2.73	2.72	2.71	2.71	2.70	2.69	2.69	2.68	2.68	2.67
V2	6	191	2.66	2.66	2.65	2.64	2.64	2.63	2.62	2.62	2.61	2.60
V2	6	201	2.60	2.59	2.58	2.57	2.57	2.56	2.55	2.55	2.54	2.53
V2	6	211	2.53	2.52	2.51	2.50	2.50	2.49	2.48	2.48	2.47	2.46
V2	6	221	2.45	2.45	2.44	2.43	2.43	2.42	2.41	2.41	2.40	2.39
V2	6	231	2.38	2.38	2.37	2.36	2.36	2.35	2.34	2.34	2.33	2.32
V2	6	241	2.32	2.31	2.30	2.30	2.29	2.28	2.28	2.27	2.26	2.26
V2	6	251	2.25	2.24	2.24	2.23	2.23	2.22	2.21	2.21	2.20	2.19
V2	6	261	2.19	2.18	2.18	2.17	2.16	2.16	2.15	2.15	2.14	2.13
V2	6	271	2.13	2.12	2.12	2.11	2.10	2.10	2.09	2.09	2.08	2.07
V2	6	281	2.07	2.06	2.06	2.05	2.05	2.04	2.03	2.03	2.02	2.02
V2	6	291	2.01	2.01	2.00	2.00	1.99	1.99				

V1	7	297	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
V1	7	307	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97
V1	7	317	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.94	1.70	
OB	3	56	1.85	1.87	1.88	1.90	1.92	1.94	1.97	1.99	2.01	2.04
OB	3	66	2.06	2.08	2.11	2.13	2.15	2.18	2.20	2.22	2.25	2.27
OB	3	76	2.30	2.32	2.34	2.37	2.39	2.41	2.44	2.46	2.49	2.51
OB	3	86	2.53	2.56	2.58	2.61	2.63	2.66	2.68	2.71	2.73	2.76
OB	3	96	2.78	2.73								

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

µg/L — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	
GL	1	1	99.86	99.71	99.57	99.43	99.29	99.14	99.00	98.86	98.71	98.57	
GL	1	11	98.43	98.29	98.14	98.00	97.86	97.71	97.57	97.43	97.29	97.14	
GL	1	21	97.00	96.86	96.71	96.57	96.43	96.29	96.14	96.00	95.86	95.71	
GL	1	31	95.57	95.43	95.29	95.14	95.00						
FB	2	36	91.75	88.50	85.25	82.00	78.75	75.50	72.25	69.00	65.75	62.50	
FB	2	46	59.25	56.00	52.75	49.50	46.25	43.00	39.75	36.50	33.25	30.00	
F2	4	98	32.06	34.12	36.18	38.24	40.29	42.35	44.41	46.47	48.53	50.59	
F2	4	108	52.65	54.71	56.76	58.82	60.88	62.94	65.00	67.06	69.12	71.18	
F2	4	118	73.24	75.29	77.35	79.41	81.47	83.53	85.59	87.65	89.71	91.76	
F2	4	128	93.82	95.88	97.94	100.00							
V3	5	132	100.10	100.20	100.31	100.41	100.51	100.61	100.71	100.82	100.92	101.02	
V3	5	142	101.12	101.22	101.33	101.43	101.53	101.63	101.73	101.84	101.94	102.04	
V3	5	152	102.14	102.24	102.35	102.45	102.55	102.65	102.76	102.86	102.96	103.06	
V3	5	162	103.16	103.27	103.37	103.47	103.57	103.67	103.78	103.88	103.98	104.08	
V3	5	172	104.18	104.29	104.39	104.49	104.59	104.69	104.80	104.90	105.00		
V2	6	181	104.53	104.05	103.58	103.10	102.63	102.16	101.68	101.21	100.73	100.26	
V2	6	191	99.78	99.31	98.84	98.36	97.89	97.41	96.94	96.47	95.99	95.52	
V2	6	201	95.04	94.57	94.09	93.62	93.15	92.67	92.20	91.72	91.25	90.78	
V2	6	211	90.30	89.83	89.35	88.88	88.41	87.93	87.46	86.98	86.51	86.03	
V2	6	221	85.56	85.09	84.61	84.14	83.66	83.19	82.72	82.24	81.77	81.29	
V2	6	231	80.82	80.34	79.87	79.40	78.92	78.45	77.97	77.50	77.03	76.55	
V2	6	241	76.08	75.60	75.13	74.66	74.18	73.71	73.23	72.76	72.28	71.81	
V2	6	251	71.34	70.86	70.39	69.91	69.44	68.97	68.49	68.02	67.54	67.07	
V2	6	261	66.59	66.12	65.65	65.17	64.70	64.22	63.75	63.28	62.80	62.33	
V2	6	271	61.85	61.38	60.91	60.43	59.96	59.48	59.01	58.53	58.06	57.59	
V2	6	281	57.11	56.64	56.16	55.69	55.22	54.74	54.27	53.79	53.32	52.84	
V2	6	291	52.37	51.90	51.42	50.95	50.47	50.00					
V1	7	297	48.34	46.69	45.03	43.38	41.72	40.07	38.41	36.76	35.10	33.45	
V1	7	307	31.79	30.14	28.48	26.83	25.17	23.52	21.86	20.21	18.55	16.90	
V1	7	317	15.24	13.59	11.93	10.28	8.62	6.97	5.31	3.66	2.00		
OB	3	56	93.45	91.90	90.36	88.81	87.26	85.71	84.17	82.62	81.07	79.52	
OB	3	66	77.98	76.43	74.88	73.33	71.79	70.24	68.69	67.14	65.60	64.05	
OB	3	76	62.50	60.95	59.40	57.86	56.31	54.76	53.21	51.67	50.12	48.57	
OB	3	86	47.02	45.48	43.93	42.38	40.83	39.29	37.74	36.19	34.64	33.10	
OB	3	96	31.55	30.00									

INTERMEDIATE REPORT

Temperature — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

deg C — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	33.12	33.15	33.17	33.19	33.21	33.24	33.26	33.28	33.31	33.33
GL	1	11	33.35	33.37	33.40	33.42	33.44	33.47	33.49	33.51	33.53	33.56
GL	1	21	33.58	33.60	33.63	33.65	33.67	33.69	33.72	33.74	33.76	33.79
GL	1	31	33.81	33.83	33.85	33.88	33.90					
FB	2	36	33.85	33.80	33.75	33.70	33.65	33.60	33.55	33.50	33.45	33.40
FB	2	46	33.35	33.30	33.25	33.20	33.15	33.10	33.05	33.00	32.95	32.90
F2	4	98	32.90	32.89	32.89	32.89	32.89	32.88	32.88	32.88	32.87	32.87
F2	4	108	32.87	32.86	32.86	32.86	32.86	32.85	32.85	32.85	32.84	32.84
F2	4	118	32.84	32.84	32.83	32.83	32.83	32.82	32.82	32.82	32.81	32.81
F2	4	128	32.81	32.81	32.80	32.80						
V3	5	132	32.80	32.79	32.79	32.78	32.78	32.78	32.77	32.77	32.76	32.76
V3	5	142	32.76	32.75	32.75	32.74	32.74	32.73	32.73	32.73	32.72	32.72
V3	5	152	32.71	32.71	32.71	32.70	32.70	32.69	32.69	32.69	32.68	32.68
V3	5	162	32.67	32.67	32.67	32.66	32.66	32.65	32.65	32.64	32.64	32.64
V3	5	172	32.63	32.63	32.62	32.62	32.62	32.61	32.61	32.60	32.60	
V2	6	181	32.60	32.60	32.60	32.60	32.60	32.59	32.59	32.59	32.59	32.59
V2	6	191	32.59	32.59	32.59	32.59	32.59	32.59	32.59	32.58	32.58	32.58
V2	6	201	32.58	32.58	32.58	32.58	32.58	32.58	32.58	32.58	32.58	32.57
V2	6	211	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57
V2	6	221	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56
V2	6	231	32.56	32.56	32.55	32.55	32.55	32.55	32.55	32.55	32.55	32.55
V2	6	241	32.55	32.55	32.55	32.54	32.54	32.54	32.54	32.54	32.54	32.54
V2	6	251	32.54	32.54	32.54	32.54	32.54	32.53	32.53	32.53	32.53	32.53
V2	6	261	32.53	32.53	32.53	32.53	32.53	32.53	32.53	32.52	32.52	32.52
V2	6	271	32.52	32.52	32.52	32.52	32.52	32.52	32.52	32.52	32.51	32.51
V2	6	281	32.51	32.51	32.51	32.51	32.51	32.51	32.51	32.51	32.51	32.51
V2	6	291	32.50	32.50	32.50	32.50	32.50	32.50				
V1	7	297	32.44	32.38	32.32	32.27	32.21	32.15	32.09	32.03	31.97	31.91
V1	7	307	31.86	31.80	31.74	31.68	31.62	31.56	31.50	31.44	31.39	31.33
V1	7	317	31.27	31.21	31.15	31.09	31.03	30.98	30.92	30.86	30.80	
OB	3	56	33.88	33.85	33.83	33.80	33.78	33.76	33.73	33.71	33.69	33.66
OB	3	66	33.64	33.61	33.59	33.57	33.54	33.52	33.50	33.47	33.45	33.42
OB	3	76	33.40	33.38	33.35	33.33	33.30	33.28	33.26	33.23	33.21	33.19
OB	3	86	33.16	33.14	33.11	33.09	33.07	33.04	33.02	33.00	32.97	32.95
OB	3	96	32.92	32.90								

INTERMEDIATE REPORT

Salinity — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

ppt — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	31	0.00	0.00	0.00	0.00	0.00					
FB	2	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FB	2	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	128	0.00	0.00	0.00	0.00						

V3	5	132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
V2	6	181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	191	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	201	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	211	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	221	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	241	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	251	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	261	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	271	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	281	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	291	0.00	0.00	0.00	0.00	0.00	0.00				
V1	7	297	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	307	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	317	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OB	3	56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	96	0.00	0.00								

INTERMEDIATE REPORT

Reaeration Rate per day

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.942	0.942	0.943	0.943	0.943	0.944	0.944	0.944	0.945	0.945
GL	1	11	0.945	0.946	0.946	0.947	0.947	0.947	0.948	0.948	0.948	0.949
GL	1	21	0.949	0.949	0.950	0.950	0.950	0.951	0.951	0.952	0.952	0.952
GL	1	31	0.953	0.953	0.953	0.954	0.954					
FB	2	36	0.172	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.170	0.170
FB	2	46	0.170	0.170	0.170	0.170	0.170	0.169	0.169	0.169	0.169	0.169
F2	4	98	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
F2	4	108	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
F2	4	118	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
F2	4	128	0.215	0.215	0.215	0.215						
V3	5	132	0.706	0.706	0.706	0.706	0.706	0.706	0.706	0.706	0.706	0.706
V3	5	142	0.706	0.706	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705
V3	5	152	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705
V3	5	162	0.705	0.705	0.704	0.704	0.704	0.704	0.704	0.704	0.704	0.704
V3	5	172	0.704	0.704	0.704	0.704	0.704	0.704	0.704	0.704	0.704	
V2	6	181	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443
V2	6	191	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443
V2	6	201	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443
V2	6	211	0.443	0.443	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	221	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	231	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442

V2	6	241	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	251	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	261	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	271	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	281	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	291	0.442	0.442	0.442	0.442	0.442	0.442				
V1	7	297	0.482	0.482	0.481	0.481	0.480	0.480	0.479	0.479	0.479	0.478
V1	7	307	0.478	0.477	0.477	0.476	0.476	0.475	0.475	0.474	0.474	0.473
V1	7	317	0.473	0.472	0.472	0.471	0.471	0.470	0.470	0.470	0.469	
OB	3	56	0.360	0.359	0.359	0.359	0.359	0.359	0.359	0.359	0.358	0.358
OB	3	66	0.358	0.358	0.358	0.358	0.358	0.357	0.357	0.357	0.357	0.357
OB	3	76	0.357	0.357	0.357	0.356	0.356	0.356	0.356	0.356	0.356	0.356
OB	3	86	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.354	0.354	0.354
OB	3	96	0.354	0.354								

INTERMEDIATE REPORT

BOD Decay Rate per day — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
GL	1	11	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.34
GL	1	21	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
GL	1	31	0.34	0.34	0.34	0.34	0.34					
FB	2	36	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
FB	2	46	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.38
F2	4	98	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
F2	4	108	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
F2	4	118	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
F2	4	128	0.38	0.38	0.38	0.38						
V3	5	132	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V3	5	142	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V3	5	152	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V3	5	162	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V3	5	172	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	
V2	6	181	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V2	6	191	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V2	6	201	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V2	6	211	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28
V2	6	221	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	231	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	241	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	251	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	261	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	271	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	281	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	291	0.28	0.28	0.28	0.28	0.28	0.28				
V1	7	297	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
V1	7	307	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
V1	7	317	0.34	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	
OB	3	56	0.40	0.40	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.39
OB	3	66	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39

OB	3	76	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.38
OB	3	86	0.35	0.33	0.30	0.28	0.26	0.25	0.23	0.22	0.21	0.20
OB	3	96	0.20	0.25								

INTERMEDIATE REPORT

BOD Settling Rate — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

per day — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	31	0.00	0.00	0.00	0.00	0.00					
FB	2	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FB	2	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	128	0.00	0.00	0.00	0.00						
V3	5	132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
V2	6	181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	191	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	201	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	211	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	221	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	241	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	251	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	261	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	271	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	281	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	291	0.00	0.00	0.00	0.00	0.00	0.00				
V1	7	297	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	307	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	317	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OB	3	56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	96	0.00	0.00								

INTERMEDIATE REPORT

Ammonia Decay Rate — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

per day — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
GL	1	11	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
GL	1	21	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
GL	1	31	0.58	0.58	0.58	0.59	0.59					

FB	2	36	0.58	0.58	0.58	0.57	0.57	0.57	0.57	0.56	0.56	0.56
FB	2	46	0.55	0.55	0.54	0.54	0.54	0.53	0.53	0.53	0.52	0.52
F2	4	98	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49	0.49
F2	4	108	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47
F2	4	118	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.46
F2	4	128	0.46	0.46	0.46	0.47						
V3	5	132	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
V3	5	142	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
V3	5	152	0.51	0.51	0.51	0.51	0.51	0.50	0.50	0.50	0.50	0.50
V3	5	162	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49
V3	5	172	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.47	
V2	6	181	0.47	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
V2	6	191	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.48
V2	6	201	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50
V2	6	211	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51
V2	6	221	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
V2	6	231	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
V2	6	241	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
V2	6	251	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
V2	6	261	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
V2	6	271	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
V2	6	281	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51
V2	6	291	0.51	0.51	0.51	0.50	0.50	0.50				
V1	7	297	0.50	0.50	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.47
V1	7	307	0.47	0.47	0.46	0.46	0.46	0.45	0.45	0.45	0.44	0.44
V1	7	317	0.44	0.43	0.43	0.43	0.42	0.42	0.42	0.41	0.41	
OB	3	56	0.59	0.58	0.58	0.58	0.57	0.57	0.57	0.56	0.56	0.55
OB	3	66	0.55	0.55	0.54	0.53	0.53	0.52	0.52	0.51	0.50	0.50
OB	3	76	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.40	0.39
OB	3	86	0.29	0.21	0.16	0.12	0.10	0.08	0.06	0.05	0.04	0.04
OB	3	96	0.03	0.08								

INTERMEDIATE REPORT

Sediment Oxygen Demand — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

g/m²/d — Calibration Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	1.60	1.60	1.60	1.61	1.61	1.61	1.61	1.62	1.62	1.62
GL	1	11	1.62	1.63	1.63	1.63	1.63	1.63	1.64	1.64	1.64	1.64
GL	1	21	1.65	1.65	1.65	1.65	1.66	1.66	1.66	1.66	1.67	1.67
GL	1	31	1.67	1.67	1.67	1.68	1.68					
FB	2	36	7.18	7.15	7.13	7.11	7.09	7.06	7.04	7.02	7.00	6.98
FB	2	46	6.95	6.93	6.91	6.89	6.87	6.85	6.82	6.80	6.78	6.76
F2	4	98	6.76	6.76	6.76	6.75	6.75	6.75	6.75	6.75	6.75	6.75
F2	4	108	6.75	6.74	6.74	6.74	6.74	6.74	6.74	6.74	6.74	6.73
F2	4	118	6.73	6.73	6.73	6.73	6.73	6.73	6.73	6.72	6.72	6.72
F2	4	128	6.72	6.72	6.72	6.72						
V3	5	132	3.36	3.36	3.36	3.36	3.35	3.35	3.35	3.35	3.35	3.35
V3	5	142	3.35	3.35	3.35	3.35	3.35	3.34	3.34	3.34	3.34	3.34
V3	5	152	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.33	3.33	3.33
V3	5	162	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.32
V3	5	172	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	

V2	6	181	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.31
V2	6	191	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	201	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	211	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	221	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	231	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	241	3.31	3.31	3.31	3.31	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	251	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	261	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	271	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	281	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	291	3.30	3.30	3.30	3.30	3.30	3.30				
V1	7	297	1.53	1.53	1.52	1.52	1.51	1.50	1.50	1.49	1.49	1.48
V1	7	307	1.48	1.47	1.47	1.46	1.46	1.45	1.44	1.44	1.43	1.43
V1	7	317	1.42	1.42	1.41	1.41	1.40	1.40	1.39	1.39	1.38	
OB	3	56	7.19	7.18	7.17	7.16	7.15	7.13	7.12	7.11	7.10	7.09
OB	3	66	7.08	7.07	7.06	7.05	7.04	7.03	7.02	7.01	7.00	6.99
OB	3	76	6.98	6.97	6.96	6.94	6.93	6.92	6.91	6.90	6.89	6.86
OB	3	86	6.30	5.81	5.40	5.03	4.72	4.44	4.19	3.97	3.77	3.60
OB	3	96	3.49	4.36								

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	g/m²/d
	HDWTR		60.700	33.1	0.0	6.7	23.5	0.0	1.6	0.1	100.0												
1 GL	1	28.20	60.700	33.1	0.0	6.7	23.5	0.0	1.6	0.1	99.9	0.5	1.011	343.0	0.045	0.045	7.2	0.942	0.33	0.00	0.00	0.00	0.55	1.60
2 GL	1	28.10	60.700	33.1	0.0	6.7	23.5	0.0	1.6	0.1	99.7	0.5	1.011	343.0	0.045	0.045	7.2	0.942	0.33	0.00	0.00	0.00	0.56	1.60
3 GL	1	28.00	60.700	33.2	0.0	6.7	23.5	0.0	1.6	0.1	99.6	0.5	1.011	343.0	0.045	0.045	7.2	0.943	0.33	0.00	0.00	0.00	0.56	1.60
4 GL	1	27.90	60.700	33.2	0.0	6.7	23.5	0.0	1.6	0.1	99.4	0.5	1.011	343.0	0.045	0.045	7.2	0.943	0.33	0.00	0.00	0.00	0.56	1.61
5 GL	1	27.80	60.700	33.2	0.0	6.7	23.5	0.0	1.6	0.1	99.3	0.5	1.011	343.0	0.045	0.045	7.2	0.943	0.33	0.00	0.00	0.00	0.56	1.61
6 GL	1	27.70	60.700	33.2	0.0	6.7	23.5	0.0	1.6	0.1	99.1	0.5	1.011	343.0	0.045	0.045	7.2	0.944	0.33	0.00	0.00	0.00	0.56	1.61
7 GL	1	27.60	60.700	33.3	0.0	6.7	23.5	0.0	1.6	0.1	99.0	0.5	1.011	343.0	0.045	0.045	7.2	0.944	0.33	0.00	0.00	0.00	0.56	1.61
8 GL	1	27.50	60.700	33.3	0.0	6.7	23.5	0.0	1.6	0.1	98.9	0.5	1.011	343.0	0.045	0.045	7.1	0.944	0.33	0.00	0.00	0.00	0.56	1.62
9 GL	1	27.40	60.700	33.3	0.0	6.7	23.6	0.0	1.6	0.1	98.7	0.5	1.011	343.0	0.045	0.045	7.1	0.945	0.33	0.00	0.00	0.00	0.56	1.62
10 GL	1	27.30	60.700	33.3	0.0	6.7	23.6	0.0	1.6	0.1	98.6	0.5	1.011	343.0	0.045	0.045	7.1	0.945	0.33	0.00	0.00	0.00	0.56	1.62
11 GL	1	27.20	60.700	33.4	0.0	6.7	23.6	0.0	1.6	0.1	98.4	0.5	1.011	343.0	0.045	0.045	7.1	0.945	0.33	0.00	0.00	0.00	0.56	1.62
12 GL	1	27.10	60.700	33.4	0.0	6.7	23.6	0.0	1.7	0.1	98.3	0.5	1.011	343.0	0.045	0.045	7.1	0.946	0.33	0.00	0.00	0.00	0.56	1.63
13 GL	1	27.00	60.700	33.4	0.0	6.7	23.6	0.0	1.7	0.1	98.1	0.5	1.011	343.0	0.045	0.045	7.1	0.946	0.33	0.00	0.00	0.00	0.57	1.63
14 GL	1	26.90	60.700	33.4	0.0	6.7	23.6	0.0	1.7	0.1	98.0	0.5	1.011	343.0	0.045	0.045	7.1	0.947	0.33	0.00	0.00	0.00	0.57	1.63
15 GL	1	26.80	60.700	33.4	0.0	6.7	23.6	0.0	1.7	0.1	97.9	0.5	1.011	343.0	0.045	0.045	7.1	0.947	0.33	0.00	0.00	0.00	0.57	1.63
16 GL	1	26.70	60.700	33.5	0.0	6.7	23.6	0.0	1.7	0.1	97.7	0.5	1.011	343.0	0.045	0.045	7.1	0.947	0.33	0.00	0.00	0.00	0.57	1.63
17 GL	1	26.60	60.700	33.5	0.0	6.6	23.6	0.0	1.7	0.1	97.6	0.5	1.011	343.0	0.045	0.045	7.1	0.948	0.33	0.00	0.00	0.00	0.57	1.64
18 GL	1	26.50	60.700	33.5	0.0	6.6	23.6	0.0	1.7	0.1	97.4	0.5	1.011	343.0	0.045	0.045	7.1	0.948	0.33	0.00	0.00	0.00	0.57	1.64
19 GL	1	26.40	60.700	33.5	0.0	6.6	23.6	0.0	1.7	0.1	97.3	0.5	1.011	343.0	0.045	0.045	7.1	0.948	0.34	0.00	0.00	0.00	0.57	1.64
20 GL	1	26.30	60.700	33.6	0.0	6.6	23.6	0.0	1.7	0.1	97.1	0.5	1.011	343.0	0.045	0.045	7.1	0.949	0.34	0.00	0.00	0.00	0.57	1.64
21 GL	1	26.20	60.700	33.6	0.0	6.6	23.6	0.0	1.7	0.1	97.0	0.5	1.011	343.0	0.045	0.045	7.1	0.949	0.34	0.00	0.00	0.00	0.57	1.65
22 GL	1	26.10	60.700	33.6	0.0	6.6	23.6	0.0	1.7	0.1	96.9	0.5	1.011	343.0	0.045	0.045	7.1	0.949	0.34	0.00	0.00	0.00	0.57	1.65
23 GL	1	26.00	60.700	33.6	0.0	6.6	23.6	0.0	1.7	0.1	96.7	0.5	1.011	343.0	0.045	0.045	7.1	0.950	0.34	0.00	0.00	0.00	0.58	1.65
24 GL	1	25.90	60.700	33.6	0.0	6.6	23.6	0.0	1.7	0.1	96.6	0.5	1.011	343.0	0.045	0.045	7.1	0.950	0.34	0.00	0.00	0.00	0.58	1.65
25 GL	1	25.80	60.700	33.7	0.0	6.6	23.6	0.0	1.7	0.1	96.4	0.5	1.011	343.0	0.045	0.045	7.1	0.950	0.34	0.00	0.00	0.00	0.58	1.66

DIVERSION # 026 (Outflow to FB Oxbow) LEAVES HERE

26	GL	1	25.70	51.900	33.7	0.0	6.6	23.6	0.0	1.7	0.1	96.3	0.5	1.011	343.0	0.038	0.038	7.1	0.951	0.34	0.00	0.00	0.00	0.58	1.66
27	GL	1	25.60	51.900	33.7	0.0	6.6	23.6	0.0	1.7	0.1	96.1	0.5	1.011	343.0	0.038	0.038	7.1	0.951	0.34	0.00	0.00	0.00	0.58	1.66
28	GL	1	25.50	51.900	33.7	0.0	6.6	23.6	0.0	1.7	0.1	96.0	0.5	1.011	343.0	0.038	0.038	7.1	0.952	0.34	0.00	0.00	0.00	0.58	1.66
29	GL	1	25.40	51.900	33.8	0.0	6.6	23.6	0.0	1.7	0.1	95.9	0.5	1.011	343.0	0.038	0.038	7.1	0.952	0.34	0.00	0.00	0.00	0.58	1.67
30	GL	1	25.30	51.900	33.8	0.0	6.5	23.6	0.0	1.7	0.1	95.7	0.5	1.011	343.0	0.038	0.038	7.1	0.952	0.34	0.00	0.00	0.00	0.58	1.67
31	GL	1	25.20	51.900	33.8	0.0	6.5	23.6	0.0	1.7	0.1	95.6	0.5	1.011	343.0	0.038	0.038	7.1	0.953	0.34	0.00	0.00	0.00	0.58	1.67
32	GL	1	25.10	51.900	33.8	0.0	6.5	23.6	0.0	1.7	0.1	95.4	0.5	1.011	343.0	0.038	0.038	7.1	0.953	0.34	0.00	0.00	0.00	0.58	1.67
33	GL	1	25.00	51.900	33.9	0.0	6.5	23.6	0.0	1.7	0.1	95.3	0.5	1.011	343.0	0.038	0.038	7.1	0.953	0.34	0.00	0.00	0.00	0.58	1.67
34	GL	1	24.90	51.900	33.9	0.0	6.5	23.6	0.0	1.8	0.1	95.1	0.5	1.011	343.0	0.038	0.038	7.1	0.954	0.34	0.00	0.00	0.00	0.59	1.68
35	GL	1	24.80	51.900	33.9	0.0	6.5	23.6	0.0	1.8	0.1	95.0	0.5	1.011	343.0	0.038	0.038	7.1	0.954	0.34	0.00	0.00	0.00	0.59	1.68
36	FB	2	24.70	51.900	33.9	0.0	6.5	23.6	0.0	1.8	0.1	91.8	0.3	5.24	107.0	0.093	0.093	7.1	0.172	0.40	0.00	0.00	0.00	0.58	7.18
37	FB	2	24.60	51.900	33.8	0.0	6.4	23.6	0.0	1.8	0.1	88.5	0.3	5.24	107.0	0.093	0.093	7.1	0.171	0.40	0.00	0.00	0.00	0.58	7.15
38	FB	2	24.50	51.900	33.8	0.0	6.4	23.7	0.0	1.8	0.1	85.2	0.3	5.24	107.0	0.093	0.093	7.1	0.171	0.39	0.00	0.00	0.00	0.58	7.13
39	FB	2	24.40	51.900	33.7	0.0	6.4	23.7	0.0	1.8	0.1	82.0	0.3	5.24	107.0	0.093	0.093	7.1	0.171	0.39	0.00	0.00	0.00	0.57	7.11
40	FB	2	24.30	51.900	33.7	0.0	6.3	23.7	0.0	1.8	0.1	78.8	0.3	5.24	107.0	0.093	0.093	7.1	0.171	0.39	0.00	0.00	0.00	0.57	7.09
41	FB	2	24.20	51.900	33.6	0.0	6.3	23.7	0.0	1.8	0.1	75.5	0.3	5.24	107.0	0.093	0.093	7.1	0.171	0.39	0.00	0.00	0.00	0.57	7.06
42	FB	2	24.10	51.900	33.6	0.0	6.2	23.7	0.0	1.8	0.1	72.2	0.3	5.24	107.0	0.093	0.093	7.1	0.171	0.39	0.00	0.00	0.00	0.57	7.04
43	FB	2	24.00	51.900	33.5	0.0	6.2	23.7	0.0	1.8	0.1	69.0	0.3	5.24	107.0	0.093	0.093	7.1	0.171	0.39	0.00	0.00	0.00	0.56	7.02
44	FB	2	23.90	51.900	33.5	0.0	6.1	23.8	0.0	1.8	0.1	65.8	0.3	5.24	107.0	0.093	0.093	7.1	0.170	0.39	0.00	0.00	0.00	0.56	7.00
45	FB	2	23.80	51.900	33.4	0.0	6.0	23.8	0.0	1.8	0.1	62.5	0.3	5.24	107.0	0.093	0.093	7.1	0.170	0.39	0.00	0.00	0.00	0.56	6.98
46	FB	2	23.70	51.900	33.4	0.0	6.0	23.8	0.0	1.8	0.1	59.2	0.3	5.24	107.0	0.093	0.093	7.1	0.170	0.39	0.00	0.00	0.00	0.55	6.95
47	FB	2	23.60	51.900	33.3	0.0	5.9	23.8	0.0	1.9	0.1	56.0	0.3	5.24	107.0	0.093	0.093	7.1	0.170	0.39	0.00	0.00	0.00	0.55	6.93
48	FB	2	23.50	51.900	33.2	0.0	5.8	23.8	0.0	1.9	0.1	52.8	0.3	5.24	107.0	0.093	0.093	7.2	0.170	0.39	0.00	0.00	0.00	0.54	6.91
49	FB	2	23.40	51.900	33.2	0.0	5.8	23.9	0.0	1.9	0.1	49.5	0.3	5.24	107.0	0.093	0.093	7.2	0.170	0.39	0.00	0.00	0.00	0.54	6.89
50	FB	2	23.30	51.900	33.2	0.0	5.7	23.9	0.0	1.9	0.1	46.2	0.3	5.24	107.0	0.093	0.093	7.2	0.170	0.38	0.00	0.00	0.00	0.54	6.87
51	FB	2	23.20	51.900	33.1	0.0	5.6	23.9	0.0	1.9	0.1	43.0	0.3	5.24	107.0	0.093	0.093	7.2	0.169	0.38	0.00	0.00	0.00	0.53	6.85
52	FB	2	23.10	51.900	33.1	0.0	5.5	23.9	0.0	1.9	0.1	39.8	0.3	5.24	107.0	0.093	0.093	7.2	0.169	0.38	0.00	0.00	0.00	0.53	6.82
53	FB	2	23.00	51.900	33.0	0.0	5.4	23.9	0.0	1.9	0.1	36.5	0.3	5.24	107.0	0.093	0.093	7.2	0.169	0.38	0.00	0.00	0.00	0.53	6.80
54	FB	2	22.90	51.900	33.0	0.0	5.3	23.9	0.0	1.9	0.1	33.2	0.3	5.24	107.0	0.093	0.093	7.2	0.169	0.38	0.00	0.00	0.00	0.52	6.78
55	FB	2	22.80	51.900	32.9	0.0	5.2	24.0	0.0	1.9	0.1	30.0	0.3	5.24	107.0	0.093	0.093	7.2	0.169	0.38	0.00	0.00	0.00	0.52	6.76

TRIBUTARY # 056 (Fourmile Bayou Oxbow) ENTERS HERE

98	F2	4	22.70	60.700	32.9	0.0	4.6	24.5	0.0	2.0	0.1	32.1	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.50	6.76
99	F2	4	22.60	60.700	32.9	0.0	4.5	24.5	0.0	2.0	0.1	34.1	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.50	6.76
100	F2	4	22.50	60.700	32.9	0.0	4.5	24.5	0.0	2.1	0.1	36.2	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.50	6.76
101	F2	4	22.40	60.700	32.9	0.0	4.4	24.5	0.0	2.1	0.1	38.2	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.50	6.75
102	F2	4	22.30	60.700	32.9	0.0	4.4	24.5	0.0	2.1	0.1	40.3	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.49	6.75
103	F2	4	22.20	60.700	32.9	0.0	4.3	24.5	0.0	2.1	0.1	42.4	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.49	6.75
104	F2	4	22.10	60.700	32.9	0.0	4.3	24.5	0.0	2.1	0.1	44.4	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.49	6.75
105	F2	4	22.00	60.700	32.9	0.0	4.2	24.5	0.0	2.1	0.1	46.5	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.49	6.75
106	F2	4	21.90	60.700	32.9	0.0	4.2	24.5	0.0	2.1	0.1	48.5	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.49	6.75
107	F2	4	21.80	60.700	32.9	0.0	4.1	24.5	0.0	2.1	0.1	50.6	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.49	6.75
108	F2	4	21.70	60.700	32.9	0.0	4.1	24.6	0.0	2.1	0.1	52.6	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.48	6.75
109	F2	4	21.60	60.700	32.9	0.0	4.1	24.6	0.0	2.1	0.1	54.7	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.48	6.74
110	F2	4	21.50	60.700	32.9	0.0	4.0	24.6	0.0	2.1	0.1	56.8	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.48	6.74
111	F2	4	21.40	60.700	32.9	0.0	4.0	24.6	0.0	2.1	0.1	58.8	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.48	6.74
112	F2	4	21.30	60.700	32.9	0.0	3.9	24.6	0.0	2.2	0.1	60.9	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.48	6.74
113	F2	4	21.20	60.700	32.9	0.0	3.9	24.6	0.0	2.2	0.1	62.9	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.48	6.74

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

	ADVEC	MEAN	DO	REAER	BOD1	BOD1	BOD2	BOD2	NH3

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	VELO	VELO	SAT	RATE	DECA	SETT	DECA	SETT	DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
114	F2 4	21.10	60.700	32.8	0.0	3.9	24.6	0.0	2.2	0.1	65.0	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.48	6.74
115	F2 4	21.00	60.700	32.8	0.0	3.8	24.6	0.0	2.2	0.1	67.1	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.48	6.74
116	F2 4	20.90	60.700	32.8	0.0	3.8	24.6	0.0	2.2	0.1	69.1	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.74
117	F2 4	20.80	60.700	32.8	0.0	3.8	24.6	0.0	2.2	0.1	71.2	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.73
118	F2 4	20.70	60.700	32.8	0.0	3.8	24.6	0.0	2.2	0.1	73.2	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.73
119	F2 4	20.60	60.700	32.8	0.0	3.7	24.6	0.0	2.2	0.1	75.3	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.73
120	F2 4	20.50	60.700	32.8	0.0	3.7	24.6	0.0	2.2	0.1	77.4	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.73
121	F2 4	20.40	60.700	32.8	0.0	3.7	24.6	0.0	2.2	0.1	79.4	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.73
122	F2 4	20.30	60.700	32.8	0.0	3.7	24.6	0.0	2.2	0.1	81.5	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.73
123	F2 4	20.20	60.700	32.8	0.0	3.6	24.6	0.0	2.2	0.1	83.5	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.73
124	F2 4	20.10	60.700	32.8	0.0	3.6	24.6	0.0	2.3	0.1	85.6	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.73
125	F2 4	20.00	60.700	32.8	0.0	3.6	24.6	0.0	2.3	0.1	87.6	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.72
126	F2 4	19.90	60.700	32.8	0.0	3.6	24.6	0.0	2.3	0.1	89.7	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.72
127	F2 4	19.80	60.700	32.8	0.0	3.6	24.6	0.0	2.3	0.1	91.8	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.46	6.72
128	F2 4	19.70	60.700	32.8	0.0	3.6	24.7	0.0	2.3	0.1	93.8	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.46	6.72
129	F2 4	19.60	60.700	32.8	0.0	3.6	24.7	0.0	2.3	0.1	95.9	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.46	6.72
130	F2 4	19.50	60.700	32.8	0.0	3.5	24.7	0.0	2.3	0.1	97.9	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.46	6.72
131	F2 4	19.40	60.700	32.8	0.0	3.7	24.5	0.0	2.3	0.1	100.0	0.2	4.39	87.0	0.159	0.159	7.2	0.215	0.38	0.00	0.00	0.00	0.47	6.72
WASTELOAD # 132 (Bayou Magazille) ENTERS HERE																								
132	V3 5	19.30	90.800	32.8	0.0	4.9	22.5	0.0	2.3	0.1	100.1	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.36
133	V3 5	19.20	90.800	32.8	0.0	5.0	22.8	0.0	2.3	0.1	100.2	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.36
134	V3 5	19.10	90.800	32.8	0.0	5.0	23.2	0.0	2.4	0.1	100.3	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.36
135	V3 5	19.00	90.800	32.8	0.0	5.0	23.5	0.0	2.4	0.1	100.4	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.36
136	V3 5	18.90	90.800	32.8	0.0	5.1	23.9	0.0	2.4	0.1	100.5	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.35
137	V3 5	18.80	90.800	32.8	0.0	5.1	24.2	0.0	2.4	0.1	100.6	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.35
138	V3 5	18.70	90.800	32.8	0.0	5.1	24.6	0.0	2.4	0.1	100.7	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.35
139	V3 5	18.60	90.800	32.8	0.0	5.1	24.9	0.0	2.4	0.1	100.8	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.35
WASTELOAD # 140 (NPDES Group1) ENTERS HERE																								
140	V3 5	18.50	90.802	32.8	0.0	5.2	25.3	0.0	2.4	0.1	100.9	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.35
141	V3 5	18.40	90.802	32.8	0.0	5.2	25.6	0.0	2.4	0.1	101.0	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.35
142	V3 5	18.30	90.802	32.8	0.0	5.2	25.9	0.0	2.4	0.1	101.1	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.35
143	V3 5	18.20	90.802	32.8	0.0	5.2	26.2	0.0	2.4	0.1	101.2	0.4	1.341	892.0	0.036	0.036	7.2	0.706	0.29	0.00	0.00	0.00	0.51	3.35
144	V3 5	18.10	90.802	32.7	0.0	5.2	26.6	0.0	2.4	0.1	101.3	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.35
145	V3 5	18.00	90.802	32.7	0.0	5.2	26.9	0.0	2.4	0.1	101.4	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.35
146	V3 5	17.90	90.802	32.7	0.0	5.2	27.2	0.0	2.4	0.1	101.5	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.35
147	V3 5	17.80	90.802	32.7	0.0	5.2	27.5	0.0	2.4	0.1	101.6	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
148	V3 5	17.70	90.802	32.7	0.0	5.2	27.8	0.0	2.4	0.1	101.7	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
WASTELOAD # 149 (LAG540112) ENTERS HERE																								
149	V3 5	17.60	90.802	32.7	0.0	5.2	28.2	0.0	2.4	0.1	101.8	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
150	V3 5	17.50	90.802	32.7	0.0	5.2	28.5	0.0	2.4	0.1	101.9	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
151	V3 5	17.40	90.802	32.7	0.0	5.2	28.8	0.0	2.5	0.1	102.0	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
152	V3 5	17.30	90.802	32.7	0.0	5.1	29.1	0.0	2.5	0.1	102.1	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
153	V3 5	17.20	90.802	32.7	0.0	5.1	29.4	0.0	2.5	0.1	102.2	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
154	V3 5	17.10	90.802	32.7	0.0	5.1	29.7	0.0	2.5	0.1	102.3	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
155	V3 5	17.00	90.802	32.7	0.0	5.1	30.0	0.0	2.5	0.1	102.4	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
156	V3 5	16.90	90.802	32.7	0.0	5.1	30.3	0.0	2.5	0.1	102.6	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.51	3.34
157	V3 5	16.80	90.802	32.7	0.0	5.0	30.5	0.0	2.5	0.1	102.7	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.50	3.34
158	V3 5	16.70	90.802	32.7	0.0	5.0	30.8	0.0	2.5	0.1	102.8	0.4	1.341	892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.50	3.34

159	V3	5	16.60	90.802	32.7	0.0	5.0	31.1	0.0	2.5	0.1102.9	0.4	1.341892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.50	3.33
160	V3	5	16.50	90.802	32.7	0.0	5.0	31.4	0.0	2.5	0.1103.0	0.4	1.341892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.50	3.33
161	V3	5	16.40	90.802	32.7	0.0	4.9	31.7	0.0	2.5	0.1103.1	0.4	1.341892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.50	3.33
162	V3	5	16.30	90.802	32.7	0.0	4.9	31.9	0.0	2.5	0.1103.2	0.4	1.341892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.50	3.33
163	V3	5	16.20	90.802	32.7	0.0	4.9	32.2	0.0	2.5	0.1103.3	0.4	1.341892.0	0.036	0.036	7.2	0.705	0.29	0.00	0.00	0.00	0.50	3.33
164	V3	5	16.10	90.802	32.7	0.0	4.8	32.5	0.0	2.5	0.1103.4	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.50	3.33
165	V3	5	16.00	90.802	32.7	0.0	4.8	32.8	0.0	2.5	0.1103.5	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.50	3.33
166	V3	5	15.90	90.802	32.7	0.0	4.8	33.0	0.0	2.5	0.1103.6	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.50	3.33
167	V3	5	15.80	90.802	32.7	0.0	4.7	33.3	0.0	2.5	0.1103.7	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.49	3.33
168	V3	5	15.70	90.802	32.6	0.0	4.7	33.6	0.0	2.6	0.1103.8	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.49	3.33
169	V3	5	15.60	90.802	32.6	0.0	4.6	33.8	0.0	2.6	0.1103.9	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.49	3.33
170	V3	5	15.50	90.802	32.6	0.0	4.6	34.1	0.0	2.6	0.1104.0	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.49	3.33
171	V3	5	15.40	90.802	32.6	0.0	4.5	34.3	0.0	2.6	0.1104.1	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.49	3.32
172	V3	5	15.30	90.802	32.6	0.0	4.5	34.6	0.0	2.6	0.1104.2	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.49	3.32
173	V3	5	15.20	90.802	32.6	0.0	4.5	34.8	0.0	2.6	0.1104.3	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.49	3.32
174	V3	5	15.10	90.802	32.6	0.0	4.4	35.1	0.0	2.6	0.1104.4	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.49	3.32
175	V3	5	15.00	90.802	32.6	0.0	4.4	35.3	0.0	2.6	0.1104.5	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.48	3.32
176	V3	5	14.90	90.802	32.6	0.0	4.3	35.6	0.0	2.6	0.1104.6	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.48	3.32
177	V3	5	14.80	90.802	32.6	0.0	4.3	35.8	0.0	2.6	0.1104.7	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.48	3.32
178	V3	5	14.70	90.802	32.6	0.0	4.2	36.0	0.0	2.6	0.1104.8	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.48	3.32
179	V3	5	14.60	90.802	32.6	0.0	4.2	36.3	0.0	2.6	0.1104.9	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.48	3.32
180	V3	5	14.50	90.802	32.6	0.0	4.1	36.3	0.0	2.6	0.1105.0	0.4	1.341892.0	0.036	0.036	7.2	0.704	0.29	0.00	0.00	0.00	0.47	3.32
181	V2	6	14.40	90.802	32.6	0.0	4.0	35.6	0.0	2.6	0.1104.5	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.47	3.32
182	V2	6	14.30	90.802	32.6	0.0	3.9	34.9	0.0	2.6	0.1104.1	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.47	3.32
183	V2	6	14.20	90.802	32.6	0.0	3.8	34.3	0.0	2.6	0.1103.6	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.32
184	V2	6	14.10	90.802	32.6	0.0	3.7	33.6	0.0	2.6	0.1103.1	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.32

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
185	V2	6	14.00	90.802	32.6	0.0	3.7	33.0	0.0	2.6	0.1102.6	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.32
186	V2	6	13.90	90.802	32.6	0.0	3.6	32.5	0.0	2.6	0.1102.2	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.32
187	V2	6	13.80	90.802	32.6	0.0	3.6	31.9	0.0	2.6	0.1101.7	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.32
188	V2	6	13.70	90.802	32.6	0.0	3.6	31.3	0.0	2.6	0.1101.2	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.32
189	V2	6	13.60	90.802	32.6	0.0	3.6	30.8	0.0	2.5	0.1100.7	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.32
190	V2	6	13.50	90.802	32.6	0.0	3.6	30.3	0.0	2.5	0.1100.3	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.31
191	V2	6	13.40	90.802	32.6	0.0	3.6	29.8	0.0	2.5	0.1 99.8	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.31
192	V2	6	13.30	90.802	32.6	0.0	3.7	29.3	0.0	2.5	0.1 99.3	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.31
193	V2	6	13.20	90.802	32.6	0.0	3.7	28.8	0.0	2.5	0.1 98.8	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.31
194	V2	6	13.10	90.802	32.6	0.0	3.8	28.4	0.0	2.5	0.1 98.4	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.31
195	V2	6	13.00	90.802	32.6	0.0	3.8	27.9	0.0	2.5	0.1 97.9	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.46	3.31
196	V2	6	12.90	90.802	32.6	0.0	3.9	27.5	0.0	2.5	0.1 97.4	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.47	3.31
197	V2	6	12.80	90.802	32.6	0.0	3.9	27.1	0.0	2.5	0.1 96.9	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.47	3.31
198	V2	6	12.70	90.802	32.6	0.0	4.0	26.7	0.0	2.5	0.1 96.5	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.47	3.31
199	V2	6	12.60	90.802	32.6	0.0	4.1	26.3	0.0	2.5	0.1 96.0	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.47	3.31
200	V2	6	12.50	90.802	32.6	0.0	4.1	25.9	0.0	2.5	0.1 95.5	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.48	3.31
201	V2	6	12.40	90.802	32.6	0.0	4.2	25.6	0.0	2.5	0.1 95.0	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.48	3.31
202	V2	6	12.30	90.802	32.6	0.0	4.3	25.2	0.0	2.5	0.1 94.6	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.48	3.31
203	V2	6	12.20	90.802	32.6	0.0	4.4	24.9	0.0	2.5	0.1 94.1	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.48	3.31
204	V2	6	12.10	90.802	32.6	0.0	4.5	24.5	0.0	2.4	0.1 93.6	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.48	3.31

205	V2	6	12.00	90.802	32.6	0.0	4.5	24.2	0.0	2.4	0.1	93.1	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.49	3.31
206	V2	6	11.90	90.802	32.6	0.0	4.6	23.9	0.0	2.4	0.1	92.7	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.49	3.31
207	V2	6	11.80	90.802	32.6	0.0	4.7	23.6	0.0	2.4	0.1	92.2	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.49	3.31
WASTELOAD # 208 (LAG560026) ENTERS HERE																									
208	V2	6	11.70	90.803	32.6	0.0	4.8	23.3	0.0	2.4	0.1	91.7	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.49	3.31
209	V2	6	11.60	90.803	32.6	0.0	4.9	23.0	0.0	2.4	0.1	91.2	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.50	3.31
210	V2	6	11.50	90.803	32.6	0.0	5.0	22.7	0.0	2.4	0.1	90.8	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.50	3.31
211	V2	6	11.40	90.803	32.6	0.0	5.1	22.5	0.0	2.4	0.1	90.3	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.50	3.31
212	V2	6	11.30	90.803	32.6	0.0	5.1	22.2	0.0	2.4	0.1	89.8	0.4	2.134092.0	0.010	0.010	7.2	0.443	0.29	0.00	0.00	0.00	0.50	3.31
213	V2	6	11.20	90.803	32.6	0.0	5.2	22.0	0.0	2.4	0.1	89.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.29	0.00	0.00	0.00	0.50	3.31
214	V2	6	11.10	90.803	32.6	0.0	5.3	21.7	0.0	2.4	0.1	88.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.29	0.00	0.00	0.00	0.51	3.31
215	V2	6	11.00	90.803	32.6	0.0	5.4	21.5	0.0	2.4	0.1	88.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.29	0.00	0.00	0.00	0.51	3.31
216	V2	6	10.90	90.803	32.6	0.0	5.5	21.2	0.0	2.4	0.1	87.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.31
217	V2	6	10.80	90.803	32.6	0.0	5.5	21.0	0.0	2.4	0.1	87.5	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.31
218	V2	6	10.70	90.803	32.6	0.0	5.6	20.8	0.0	2.3	0.1	87.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.31
219	V2	6	10.60	90.803	32.6	0.0	5.7	20.6	0.0	2.3	0.1	86.5	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.31
220	V2	6	10.50	90.803	32.6	0.0	5.8	20.4	0.0	2.3	0.1	86.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.31
221	V2	6	10.40	90.803	32.6	0.0	5.8	20.2	0.0	2.3	0.1	85.6	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
222	V2	6	10.30	90.803	32.6	0.0	5.9	20.0	0.0	2.3	0.1	85.1	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
223	V2	6	10.20	90.803	32.6	0.0	6.0	19.8	0.0	2.3	0.1	84.6	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
224	V2	6	10.10	90.803	32.6	0.0	6.0	19.6	0.0	2.3	0.1	84.1	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
225	V2	6	10.00	90.803	32.6	0.0	6.1	19.5	0.0	2.3	0.1	83.7	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
226	V2	6	9.90	90.803	32.6	0.0	6.2	19.3	0.0	2.3	0.1	83.2	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
227	V2	6	9.80	90.803	32.6	0.0	6.2	19.1	0.0	2.3	0.1	82.7	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
228	V2	6	9.70	90.803	32.6	0.0	6.3	19.0	0.0	2.3	0.1	82.2	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
229	V2	6	9.60	90.803	32.6	0.0	6.3	18.8	0.0	2.3	0.1	81.8	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
230	V2	6	9.50	90.803	32.6	0.0	6.4	18.7	0.0	2.3	0.1	81.3	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.31
231	V2	6	9.40	90.803	32.6	0.0	6.4	18.5	0.0	2.3	0.1	80.8	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
232	V2	6	9.30	90.803	32.6	0.0	6.5	18.4	0.0	2.3	0.1	80.3	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
233	V2	6	9.20	90.803	32.6	0.0	6.5	18.2	0.0	2.3	0.1	79.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
234	V2	6	9.10	90.803	32.6	0.0	6.6	18.1	0.0	2.2	0.1	79.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
235	V2	6	9.00	90.803	32.6	0.0	6.6	18.0	0.0	2.2	0.1	78.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
236	V2	6	8.90	90.803	32.6	0.0	6.6	17.9	0.0	2.2	0.1	78.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
237	V2	6	8.80	90.803	32.6	0.0	6.7	17.7	0.0	2.2	0.1	78.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
238	V2	6	8.70	90.803	32.5	0.0	6.7	17.6	0.0	2.2	0.1	77.5	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
239	V2	6	8.60	90.803	32.5	0.0	6.7	17.5	0.0	2.2	0.1	77.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
240	V2	6	8.50	90.803	32.5	0.0	6.8	17.4	0.0	2.2	0.1	76.6	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
241	V2	6	8.40	90.803	32.5	0.0	6.8	17.3	0.0	2.2	0.1	76.1	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
242	V2	6	8.30	90.803	32.5	0.0	6.8	17.2	0.0	2.2	0.1	75.6	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
243	V2	6	8.20	90.803	32.5	0.0	6.8	17.1	0.0	2.2	0.1	75.1	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
244	V2	6	8.10	90.803	32.5	0.0	6.8	17.0	0.0	2.2	0.1	74.7	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.31
245	V2	6	8.00	90.803	32.5	0.0	6.9	16.9	0.0	2.2	0.1	74.2	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
246	V2	6	7.90	90.803	32.5	0.0	6.9	16.8	0.0	2.2	0.1	73.7	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
247	V2	6	7.80	90.803	32.5	0.0	6.9	16.7	0.0	2.2	0.1	73.2	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
248	V2	6	7.70	90.803	32.5	0.0	6.9	16.6	0.0	2.2	0.1	72.8	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
249	V2	6	7.60	90.803	32.5	0.0	6.9	16.6	0.0	2.2	0.1	72.3	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
250	V2	6	7.50	90.803	32.5	0.0	6.9	16.5	0.0	2.1	0.1	71.8	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
251	V2	6	7.40	90.803	32.5	0.0	6.9	16.4	0.0	2.1	0.1	71.3	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
252	V2	6	7.30	90.803	32.5	0.0	6.9	16.3	0.0	2.1	0.1	70.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
253	V2	6	7.20	90.803	32.5	0.0	6.9	16.2	0.0	2.1	0.1	70.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30

254	V2	6	7.10	90.803	32.5	0.0	6.9	16.2	0.0	2.1	0.1	69.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
255	V2	6	7.00	90.803	32.5	0.0	6.9	16.1	0.0	2.1	0.1	69.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
256	V2	6	6.90	90.803	32.5	0.0	6.9	16.0	0.0	2.1	0.1	69.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
257	V2	6	6.80	90.803	32.5	0.0	6.9	16.0	0.0	2.1	0.1	68.5	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
258	V2	6	6.70	90.803	32.5	0.0	6.9	15.9	0.0	2.1	0.1	68.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
259	V2	6	6.60	90.803	32.5	0.0	6.8	15.9	0.0	2.1	0.1	67.5	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
260	V2	6	6.50	90.803	32.5	0.0	6.8	15.8	0.0	2.1	0.1	67.1	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
261	V2	6	6.40	90.803	32.5	0.0	6.8	15.7	0.0	2.1	0.1	66.6	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
262	V2	6	6.30	90.803	32.5	0.0	6.8	15.7	0.0	2.1	0.1	66.1	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
263	V2	6	6.20	90.803	32.5	0.0	6.8	15.6	0.0	2.1	0.1	65.6	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
WASTELOAD # 264 (NPDES Group2) ENTERS HERE																									
264	V2	6	6.10	90.812	32.5	0.0	6.7	15.6	0.0	2.1	0.1	65.2	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
265	V2	6	6.00	90.812	32.5	0.0	6.7	15.5	0.0	2.1	0.1	64.7	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
266	V2	6	5.90	90.812	32.5	0.0	6.7	15.5	0.0	2.1	0.1	64.2	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
267	V2	6	5.80	90.812	32.5	0.0	6.7	15.4	0.0	2.0	0.1	63.8	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
268	V2	6	5.70	90.812	32.5	0.0	6.6	15.4	0.0	2.0	0.1	63.3	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
269	V2	6	5.60	90.812	32.5	0.0	6.6	15.3	0.0	2.0	0.1	62.8	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
270	V2	6	5.50	90.812	32.5	0.0	6.6	15.3	0.0	2.0	0.1	62.3	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
271	V2	6	5.40	90.812	32.5	0.0	6.5	15.3	0.0	2.0	0.1	61.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
272	V2	6	5.30	90.812	32.5	0.0	6.5	15.2	0.0	2.0	0.1	61.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
273	V2	6	5.20	90.812	32.5	0.0	6.5	15.2	0.0	2.0	0.1	60.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
274	V2	6	5.10	90.812	32.5	0.0	6.4	15.1	0.0	2.0	0.1	60.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
275	V2	6	5.00	90.812	32.5	0.0	6.4	15.1	0.0	2.0	0.1	60.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
276	V2	6	4.90	90.812	32.5	0.0	6.3	15.1	0.0	2.0	0.1	59.5	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
277	V2	6	4.80	90.812	32.5	0.0	6.3	15.0	0.0	2.0	0.1	59.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
278	V2	6	4.70	90.812	32.5	0.0	6.2	15.0	0.0	2.0	0.1	58.5	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
279	V2	6	4.60	90.812	32.5	0.0	6.2	15.0	0.0	2.0	0.1	58.1	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
280	V2	6	4.50	90.812	32.5	0.0	6.1	14.9	0.0	2.0	0.1	57.6	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
281	V2	6	4.40	90.812	32.5	0.0	6.1	14.9	0.0	2.0	0.1	57.1	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
282	V2	6	4.30	90.812	32.5	0.0	6.1	14.9	0.0	2.0	0.1	56.6	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
283	V2	6	4.20	90.812	32.5	0.0	6.0	14.8	0.0	2.0	0.1	56.2	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
284	V2	6	4.10	90.812	32.5	0.0	5.9	14.8	0.0	2.0	0.1	55.7	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
285	V2	6	4.00	90.812	32.5	0.0	5.9	14.8	0.0	1.9	0.1	55.2	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
286	V2	6	3.90	90.812	32.5	0.0	5.8	14.8	0.0	1.9	0.1	54.7	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
287	V2	6	3.80	90.812	32.5	0.0	5.8	14.7	0.0	1.9	0.1	54.3	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
288	V2	6	3.70	90.812	32.5	0.0	5.7	14.7	0.0	1.9	0.1	53.8	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
289	V2	6	3.60	90.812	32.5	0.0	5.7	14.7	0.0	1.9	0.1	53.3	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
290	V2	6	3.50	90.812	32.5	0.0	5.6	14.7	0.0	1.9	0.1	52.8	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
291	V2	6	3.40	90.812	32.5	0.0	5.6	14.6	0.0	1.9	0.1	52.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
292	V2	6	3.30	90.812	32.5	0.0	5.5	14.6	0.0	1.9	0.1	51.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
293	V2	6	3.20	90.812	32.5	0.0	5.4	14.6	0.0	1.9	0.1	51.4	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
294	V2	6	3.10	90.812	32.5	0.0	5.4	14.6	0.0	1.9	0.1	50.9	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.50	3.30
295	V2	6	3.00	90.812	32.5	0.0	5.3	14.6	0.0	1.9	0.1	50.5	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.50	3.30
296	V2	6	2.90	90.812	32.5	0.0	5.3	14.5	0.0	1.9	0.1	50.0	0.4	2.134092.0	0.010	0.010	7.2	0.442	0.28	0.00	0.00	0.00	0.50	3.30
297	V1	7	2.80	90.812	32.4	0.0	5.3	14.5	0.0	1.9	0.1	48.3	0.5	1.95 767.0	0.061	0.061	7.3	0.482	0.35	0.00	0.00	0.00	0.50	1.53
298	V1	7	2.70	90.812	32.4	0.0	5.2	14.4	0.0	1.9	0.1	46.7	0.5	1.95 767.0	0.061	0.061	7.3	0.482	0.35	0.00	0.00	0.00	0.50	1.53

299	V1	7	2.60	90.812	32.3	0.0	5.2	14.4	0.0	1.9	0.1	45.0	0.5	1.95	767.0	0.061	0.061	7.3	0.481	0.35	0.00	0.00	0.00	0.49	1.52
300	V1	7	2.50	90.812	32.3	0.0	5.2	14.3	0.0	1.9	0.1	43.4	0.5	1.95	767.0	0.061	0.061	7.3	0.481	0.35	0.00	0.00	0.00	0.49	1.52
301	V1	7	2.40	90.812	32.2	0.0	5.2	14.3	0.0	1.9	0.1	41.7	0.5	1.95	767.0	0.061	0.061	7.3	0.480	0.35	0.00	0.00	0.00	0.49	1.51
302	V1	7	2.30	90.812	32.1	0.0	5.1	14.2	0.0	1.9	0.1	40.1	0.5	1.95	767.0	0.061	0.061	7.3	0.480	0.35	0.00	0.00	0.00	0.48	1.50
303	V1	7	2.20	90.812	32.1	0.0	5.1	14.2	0.0	1.9	0.1	38.4	0.5	1.95	767.0	0.061	0.061	7.3	0.479	0.35	0.00	0.00	0.00	0.48	1.50
304	V1	7	2.10	90.812	32.0	0.0	5.1	14.1	0.0	1.9	0.1	36.8	0.5	1.95	767.0	0.061	0.061	7.3	0.479	0.35	0.00	0.00	0.00	0.48	1.49
305	V1	7	2.00	90.812	32.0	0.0	5.0	14.1	0.0	1.9	0.1	35.1	0.5	1.95	767.0	0.061	0.061	7.3	0.479	0.35	0.00	0.00	0.00	0.48	1.49
306	V1	7	1.90	90.812	31.9	0.0	5.0	14.0	0.0	1.9	0.1	33.4	0.5	1.95	767.0	0.061	0.061	7.3	0.478	0.35	0.00	0.00	0.00	0.47	1.48
307	V1	7	1.80	90.812	31.9	0.0	5.0	14.0	0.0	1.9	0.1	31.8	0.5	1.95	767.0	0.061	0.061	7.3	0.478	0.34	0.00	0.00	0.00	0.47	1.48
308	V1	7	1.70	90.812	31.8	0.0	4.9	13.9	0.0	1.9	0.1	30.1	0.5	1.95	767.0	0.061	0.061	7.3	0.477	0.34	0.00	0.00	0.00	0.47	1.47
309	V1	7	1.60	90.812	31.7	0.0	4.9	13.9	0.0	1.9	0.1	28.5	0.5	1.95	767.0	0.061	0.061	7.3	0.477	0.34	0.00	0.00	0.00	0.46	1.47
310	V1	7	1.50	90.812	31.7	0.0	4.8	13.8	0.0	1.9	0.1	26.8	0.5	1.95	767.0	0.061	0.061	7.3	0.476	0.34	0.00	0.00	0.00	0.46	1.46
311	V1	7	1.40	90.812	31.6	0.0	4.8	13.8	0.0	1.9	0.1	25.2	0.5	1.95	767.0	0.061	0.061	7.4	0.476	0.34	0.00	0.00	0.00	0.46	1.46
312	V1	7	1.30	90.812	31.6	0.0	4.8	13.8	0.0	1.9	0.1	23.5	0.5	1.95	767.0	0.061	0.061	7.4	0.475	0.34	0.00	0.00	0.00	0.45	1.45
313	V1	7	1.20	90.812	31.5	0.0	4.7	13.7	0.0	1.9	0.1	21.9	0.5	1.95	767.0	0.061	0.061	7.4	0.475	0.34	0.00	0.00	0.00	0.45	1.44
314	V1	7	1.10	90.812	31.4	0.0	4.7	13.7	0.0	1.9	0.1	20.2	0.5	1.95	767.0	0.061	0.061	7.4	0.474	0.34	0.00	0.00	0.00	0.45	1.44
315	V1	7	1.00	90.812	31.4	0.0	4.6	13.6	0.0	1.9	0.1	18.6	0.5	1.95	767.0	0.061	0.061	7.4	0.474	0.34	0.00	0.00	0.00	0.44	1.43
316	V1	7	0.90	90.812	31.3	0.0	4.6	13.6	0.0	1.9	0.1	16.9	0.5	1.95	767.0	0.061	0.061	7.4	0.473	0.34	0.00	0.00	0.00	0.44	1.43
317	V1	7	0.80	90.812	31.3	0.0	4.5	13.5	0.0	1.9	0.1	15.2	0.5	1.95	767.0	0.061	0.061	7.4	0.473	0.34	0.00	0.00	0.00	0.44	1.42
318	V1	7	0.70	90.812	31.2	0.0	4.5	13.5	0.0	1.9	0.1	13.6	0.5	1.95	767.0	0.061	0.061	7.4	0.472	0.33	0.00	0.00	0.00	0.43	1.42
WASTELOAD # 319 (NPDES Group3) ENTERS HERE																									
319	V1	7	0.60	90.813	31.2	0.0	4.4	13.4	0.0	1.9	0.1	11.9	0.5	1.95	767.0	0.061	0.061	7.4	0.472	0.33	0.00	0.00	0.00	0.43	1.41
320	V1	7	0.50	90.813	31.1	0.0	4.3	13.4	0.0	1.9	0.1	10.3	0.5	1.95	767.0	0.061	0.061	7.4	0.471	0.33	0.00	0.00	0.00	0.43	1.41
321	V1	7	0.40	90.813	31.0	0.0	4.3	13.4	0.0	1.9	0.1	8.6	0.5	1.95	767.0	0.061	0.061	7.4	0.471	0.33	0.00	0.00	0.00	0.42	1.40
322	V1	7	0.30	90.813	31.0	0.0	4.2	13.3	0.0	1.9	0.1	7.0	0.5	1.95	767.0	0.061	0.061	7.4	0.470	0.33	0.00	0.00	0.00	0.42	1.40
323	V1	7	0.20	90.813	30.9	0.0	4.2	13.3	0.0	1.9	0.1	5.3	0.5	1.95	767.0	0.061	0.061	7.4	0.470	0.33	0.00	0.00	0.00	0.42	1.39
324	V1	7	0.10	90.813	30.9	0.0	4.1	13.1	0.0	1.8	0.1	3.7	0.5	1.95	767.0	0.061	0.061	7.4	0.470	0.33	0.00	0.00	0.00	0.41	1.39
325	V1	7	0.00	90.813	30.8	0.0	4.1	11.7	0.0	1.6	0.1	2.0	0.5	1.95	767.0	0.061	0.061	7.5	0.469	0.33	0.00	0.00	0.00	0.41	1.38

EXPANDED CAPSULE SUMMARY FOR Fourmile Bayou Oxbow

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	VELO	VELO	SAT	RATE	DECA	SETT	DECA	SETT	DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
56	OB	3	4.10	8.800	33.9	0.0	6.7	25.5	0.0	1.7	0.1	93.5	0.3	2.50	87.0	0.040	0.040	7.1	0.360	0.40	0.00	0.00	0.00	0.59	7.19
57	OB	3	4.00	8.800	33.9	0.0	6.5	25.5	0.0	1.7	0.1	91.9	0.3	2.50	87.0	0.040	0.040	7.1	0.359	0.40	0.00	0.00	0.00	0.58	7.18
58	OB	3	3.90	8.800	33.8	0.0	6.4	25.6	0.0	1.8	0.1	90.4	0.3	2.50	87.0	0.040	0.040	7.1	0.359	0.40	0.00	0.00	0.00	0.58	7.17
59	OB	3	3.80	8.800	33.8	0.0	6.3	25.6	0.0	1.8	0.1	88.8	0.3	2.50	87.0	0.040	0.040	7.1	0.359	0.40	0.00	0.00	0.00	0.58	7.16
60	OB	3	3.70	8.800	33.8	0.0	6.1	25.6	0.0	1.8	0.1	87.3	0.3	2.50	87.0	0.040	0.040	7.1	0.359	0.40	0.00	0.00	0.00	0.57	7.15
61	OB	3	3.60	8.800	33.8	0.0	6.0	25.6	0.0	1.8	0.1	85.7	0.3	2.50	87.0	0.040	0.040	7.1	0.359	0.40	0.00	0.00	0.00	0.57	7.13
62	OB	3	3.50	8.800	33.7	0.0	5.9	25.7	0.0	1.9	0.1	84.2	0.3	2.50	87.0	0.040	0.040	7.1	0.359	0.39	0.00	0.00	0.00	0.57	7.12
63	OB	3	3.40	8.800	33.7	0.0	5.7	25.7	0.0	1.9	0.1	82.6	0.3	2.50	87.0	0.040	0.040	7.1	0.359	0.39	0.00	0.00	0.00	0.56	7.11
64	OB	3	3.30	8.800	33.7	0.0	5.6	25.7	0.0	1.9	0.1	81.1	0.3	2.50	87.0	0.040	0.040	7.1	0.358	0.39	0.00	0.00	0.00	0.56	7.10
65	OB	3	3.20	8.800	33.7	0.0	5.4	25.7	0.0	1.9	0.1	79.5	0.3	2.50	87.0	0.040	0.040	7.1	0.358	0.39	0.00	0.00	0.00	0.55	7.09
66	OB	3	3.10	8.800	33.6	0.0	5.3	25.8	0.0	2.0	0.1	78.0	0.3	2.50	87.0	0.040	0.040	7.1	0.358	0.39	0.00	0.00	0.00	0.55	7.08
67	OB	3	3.00	8.800	33.6	0.0	5.1	25.8	0.0	2.0	0.1	76.4	0.3	2.50	87.0	0.040	0.040	7.1	0.358	0.39	0.00	0.00	0.00	0.55	7.07
68	OB	3	2.90	8.800	33.6	0.0	5.0	25.8	0.0	2.0	0.1	74.9	0.3	2.50	87.0	0.040	0.040	7.1	0.358	0.39	0.00	0.00	0.00	0.54	7.06
69	OB	3	2.80	8.800	33.6	0.0	4.8	25.8	0.0	2.0	0.1	73.3	0.3	2.50	87.0	0.040	0.040	7.1	0.358	0.39	0.00	0.00	0.00	0.53	7.05
70	OB	3	2.70	8.800	33.5	0.0	4.7	25.9	0.0	2.1	0.1	71.8	0.3	2.50	87.0	0.040	0.040	7.1	0.358	0.39	0.00	0.00	0.00	0.53	7.04
71	OB	3	2.60	8.800	33.5	0.0	4.5	25.9	0.0	2.1	0.1	70.2	0.3	2.50	87.0	0.040	0.040	7.1	0.357	0.39	0.00	0.00	0.00	0.52	7.03
72	OB	3	2.50	8.800	33.5	0.0	4.3	25.9	0.0	2.1	0.1	68.7	0.3	2.50	87.0	0.040	0.040	7.1	0.357	0.39	0.00	0.00	0.00	0.52	7.02
73	OB	3	2.40	8.800	33.5	0.0	4.2	25.9	0.0	2.1	0.1	67.1	0.3	2.50	87.0	0.040	0.040	7.1	0.357	0.39	0.00	0.00	0.00	0.51	7.01

74	OB	3	2.30	8.800	33.4	0.0	4.0	26.0	0.0	2.2	0.1	65.6	0.3	2.50	87.0	0.040	0.040	7.1	0.357	0.39	0.00	0.00	0.00	0.50	7.00
75	OB	3	2.20	8.800	33.4	0.0	3.8	26.0	0.0	2.2	0.1	64.0	0.3	2.50	87.0	0.040	0.040	7.1	0.357	0.39	0.00	0.00	0.00	0.50	6.99
76	OB	3	2.10	8.800	33.4	0.0	3.7	26.0	0.0	2.2	0.1	62.5	0.3	2.50	87.0	0.040	0.040	7.1	0.357	0.39	0.00	0.00	0.00	0.49	6.98
77	OB	3	2.00	8.800	33.4	0.0	3.5	26.0	0.0	2.2	0.1	61.0	0.3	2.50	87.0	0.040	0.040	7.1	0.357	0.39	0.00	0.00	0.00	0.48	6.97
78	OB	3	1.90	8.800	33.4	0.0	3.3	26.0	0.0	2.2	0.1	59.4	0.3	2.50	87.0	0.040	0.040	7.1	0.357	0.39	0.00	0.00	0.00	0.47	6.96
79	OB	3	1.80	8.800	33.3	0.0	3.1	26.1	0.0	2.3	0.1	57.9	0.3	2.50	87.0	0.040	0.040	7.1	0.356	0.39	0.00	0.00	0.00	0.46	6.94
80	OB	3	1.70	8.800	33.3	0.0	2.9	26.1	0.0	2.3	0.1	56.3	0.3	2.50	87.0	0.040	0.040	7.1	0.356	0.39	0.00	0.00	0.00	0.45	6.93
81	OB	3	1.60	8.800	33.3	0.0	2.8	26.1	0.0	2.3	0.1	54.8	0.3	2.50	87.0	0.040	0.040	7.1	0.356	0.39	0.00	0.00	0.00	0.44	6.92
82	OB	3	1.50	8.800	33.3	0.0	2.6	26.1	0.0	2.3	0.1	53.2	0.3	2.50	87.0	0.040	0.040	7.2	0.356	0.39	0.00	0.00	0.00	0.43	6.91
83	OB	3	1.40	8.800	33.2	0.0	2.4	26.2	0.0	2.4	0.1	51.7	0.3	2.50	87.0	0.040	0.040	7.2	0.356	0.39	0.00	0.00	0.00	0.42	6.90
84	OB	3	1.30	8.800	33.2	0.0	2.2	26.2	0.0	2.4	0.1	50.1	0.3	2.50	87.0	0.040	0.040	7.2	0.356	0.39	0.00	0.00	0.00	0.40	6.89
85	OB	3	1.20	8.800	33.2	0.0	2.0	26.2	0.0	2.4	0.1	48.6	0.3	2.50	87.0	0.040	0.040	7.2	0.356	0.38	0.00	0.00	0.00	0.39	6.86
86	OB	3	1.10	8.800	33.2	0.0	1.8	26.3	0.0	2.4	0.1	47.0	0.3	2.50	87.0	0.040	0.040	7.2	0.355	0.35	0.00	0.00	0.00	0.29	6.30
87	OB	3	1.00	8.800	33.1	0.0	1.7	26.3	0.0	2.5	0.1	45.5	0.3	2.50	87.0	0.040	0.040	7.2	0.355	0.33	0.00	0.00	0.00	0.21	5.81
88	OB	3	0.90	8.800	33.1	0.0	1.6	26.4	0.0	2.5	0.1	43.9	0.3	2.50	87.0	0.040	0.040	7.2	0.355	0.30	0.00	0.00	0.00	0.16	5.40
89	OB	3	0.80	8.800	33.1	0.0	1.5	26.5	0.0	2.5	0.1	42.4	0.3	2.50	87.0	0.040	0.040	7.2	0.355	0.28	0.00	0.00	0.00	0.12	5.03
90	OB	3	0.70	8.800	33.1	0.0	1.4	26.6	0.0	2.5	0.1	40.8	0.3	2.50	87.0	0.040	0.040	7.2	0.355	0.26	0.00	0.00	0.00	0.10	4.72
91	OB	3	0.60	8.800	33.0	0.0	1.3	26.8	0.0	2.5	0.1	39.3	0.3	2.50	87.0	0.040	0.040	7.2	0.355	0.25	0.00	0.00	0.00	0.08	4.44
92	OB	3	0.50	8.800	33.0	0.0	1.2	26.9	0.0	2.6	0.1	37.7	0.3	2.50	87.0	0.040	0.040	7.2	0.355	0.23	0.00	0.00	0.00	0.06	4.19
93	OB	3	0.40	8.800	33.0	0.0	1.2	27.0	0.0	2.6	0.1	36.2	0.3	2.50	87.0	0.040	0.040	7.2	0.354	0.22	0.00	0.00	0.00	0.05	3.97
94	OB	3	0.30	8.800	33.0	0.0	1.1	27.2	0.0	2.6	0.1	34.6	0.3	2.50	87.0	0.040	0.040	7.2	0.354	0.21	0.00	0.00	0.00	0.04	3.77
95	OB	3	0.20	8.800	32.9	0.0	1.1	27.3	0.0	2.6	0.1	33.1	0.3	2.50	87.0	0.040	0.040	7.2	0.354	0.20	0.00	0.00	0.00	0.04	3.60
96	OB	3	0.10	8.800	32.9	0.0	1.0	27.5	0.0	2.7	0.1	31.5	0.3	2.50	87.0	0.040	0.040	7.2	0.354	0.20	0.00	0.00	0.00	0.03	3.49
97	OB	3	0.00	8.800	32.9	0.0	1.3	27.3	0.0	2.6	0.1	30.0	0.3	2.50	87.0	0.040	0.040	7.2	0.354	0.25	0.00	0.00	0.00	0.08	4.36

SPECIAL REPORT: Grassy Lake

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 #/100mL	CHL A *	MACRO	COLI	NCM
1	28.200	33.12	0.0	0.0	0.0	6.70	23.51	0.00	23.51	0.00	1.60	0.10	0.03	1.73	0.00	99.9	0.0	0.	0.00		
2	28.100	33.15	0.0	0.0	0.0	6.70	23.51	0.00	23.51	0.00	1.61	0.10	0.02	1.73	0.00	99.7	0.0	0.	0.00		
3	28.000	33.17	0.0	0.0	0.0	6.70	23.52	0.00	23.52	0.00	1.61	0.10	0.01	1.72	0.00	99.6	0.0	0.	0.00		
4	27.900	33.19	0.0	0.0	0.0	6.70	23.53	0.00	23.53	0.00	1.62	0.10	0.00	1.72	0.00	99.4	0.0	0.	0.00		
5	27.800	33.21	0.0	0.0	0.0	6.70	23.53	0.00	23.53	0.00	1.62	0.10	0.00	1.72	0.00	99.3	0.0	0.	0.00		
6	27.700	33.24	0.0	0.0	0.0	6.69	23.54	0.00	23.54	0.00	1.63	0.10	0.00	1.72	0.00	99.1	0.0	0.	0.00		
7	27.600	33.26	0.0	0.0	0.0	6.69	23.54	0.00	23.54	0.00	1.63	0.10	0.00	1.73	0.00	99.0	0.0	0.	0.00		
8	27.500	33.28	0.0	0.0	0.0	6.69	23.55	0.00	23.55	0.00	1.64	0.10	0.00	1.73	0.00	98.9	0.0	0.	0.00		
9	27.400	33.31	0.0	0.0	0.0	6.69	23.55	0.00	23.55	0.00	1.64	0.10	0.00	1.74	0.00	98.7	0.0	0.	0.00		
10	27.300	33.33	0.0	0.0	0.0	6.68	23.56	0.00	23.56	0.00	1.64	0.10	0.00	1.74	0.00	98.6	0.0	0.	0.00		
11	27.200	33.35	0.0	0.0	0.0	6.68	23.56	0.00	23.56	0.00	1.65	0.10	0.00	1.74	0.00	98.4	0.0	0.	0.00		
12	27.100	33.37	0.0	0.0	0.0	6.67	23.57	0.00	23.57	0.00	1.65	0.10	0.00	1.75	0.00	98.3	0.0	0.	0.00		
13	27.000	33.40	0.0	0.0	0.0	6.67	23.57	0.00	23.57	0.00	1.66	0.10	0.00	1.75	0.00	98.1	0.0	0.	0.00		
14	26.900	33.42	0.0	0.0	0.0	6.66	23.58	0.00	23.58	0.00	1.66	0.10	0.00	1.76	0.00	98.0	0.0	0.	0.00		
15	26.800	33.44	0.0	0.0	0.0	6.66	23.58	0.00	23.58	0.00	1.67	0.10	0.00	1.76	0.00	97.9	0.0	0.	0.00		
16	26.700	33.47	0.0	0.0	0.0	6.65	23.58	0.00	23.58	0.00	1.67	0.10	0.00	1.77	0.00	97.7	0.0	0.	0.00		
17	26.600	33.49	0.0	0.0	0.0	6.65	23.59	0.00	23.59	0.00	1.67	0.09	0.00	1.77	0.00	97.6	0.0	0.	0.00		
18	26.500	33.51	0.0	0.0	0.0	6.64	23.59	0.00	23.59	0.00	1.68	0.09	0.00	1.77	0.00	97.4	0.0	0.	0.00		
19	26.400	33.53	0.0	0.0	0.0	6.64	23.59	0.00	23.59	0.00	1.68	0.09	0.00	1.78	0.00	97.3	0.0	0.	0.00		
20	26.300	33.56	0.0	0.0	0.0	6.63	23.59	0.00	23.59	0.00	1.69	0.09	0.00	1.78	0.00	97.1	0.0	0.	0.00		
21	26.200	33.58	0.0	0.0	0.0	6.62	23.59	0.00	23.59	0.00	1.69	0.09	0.00	1.79	0.00	97.0	0.0	0.	0.00		
22	26.100	33.60	0.0	0.0	0.0	6.61	23.60	0.00	23.60	0.00	1.70	0.09	0.00	1.79	0.00	96.9	0.0	0.	0.00		

23	26.000	33.63	0.0	0.0	0.0	6.61	23.60	0.00	23.60	0.00	1.70	0.09	0.00	1.79	0.00	96.7	0.0	0.	0.00
24	25.900	33.65	0.0	0.0	0.0	6.60	23.60	0.00	23.60	0.00	1.70	0.09	0.00	1.80	0.00	96.6	0.0	0.	0.00
25	25.800	33.67	0.0	0.0	0.0	6.59	23.60	0.00	23.60	0.00	1.71	0.09	0.00	1.80	0.00	96.4	0.0	0.	0.00
26	25.700	33.69	0.0	0.0	0.0	6.58	23.60	0.00	23.60	0.00	1.71	0.09	0.00	1.81	0.00	96.3	0.0	0.	0.00
27	25.600	33.72	0.0	0.0	0.0	6.57	23.60	0.00	23.60	0.00	1.72	0.09	0.00	1.81	0.00	96.1	0.0	0.	0.00
28	25.500	33.74	0.0	0.0	0.0	6.56	23.60	0.00	23.60	0.00	1.72	0.09	0.00	1.82	0.00	96.0	0.0	0.	0.00
29	25.400	33.76	0.0	0.0	0.0	6.55	23.60	0.00	23.60	0.00	1.73	0.09	0.00	1.82	0.00	95.9	0.0	0.	0.00
30	25.300	33.79	0.0	0.0	0.0	6.54	23.60	0.00	23.60	0.00	1.73	0.09	0.00	1.82	0.00	95.7	0.0	0.	0.00
31	25.200	33.81	0.0	0.0	0.0	6.53	23.60	0.00	23.60	0.00	1.74	0.09	0.00	1.83	0.00	95.6	0.0	0.	0.00
32	25.100	33.83	0.0	0.0	0.0	6.52	23.60	0.00	23.60	0.00	1.74	0.09	0.00	1.83	0.00	95.4	0.0	0.	0.00
33	25.000	33.85	0.0	0.0	0.0	6.51	23.60	0.00	23.60	0.00	1.75	0.09	0.00	1.84	0.00	95.3	0.0	0.	0.00
34	24.900	33.88	0.0	0.0	0.0	6.50	23.60	0.00	23.60	0.00	1.75	0.09	0.00	1.84	0.00	95.1	0.0	0.	0.00
35	24.800	33.90	0.0	0.0	0.0	6.49	23.60	0.00	23.60	0.00	1.76	0.09	0.00	1.85	0.00	95.0	0.0	0.	0.00
36	24.700	33.85	0.0	0.0	0.0	6.46	23.62	0.00	23.62	0.00	1.77	0.09	0.00	1.86	0.00	91.8	0.0	0.	0.00
37	24.600	33.80	0.0	0.0	0.0	6.43	23.63	0.00	23.63	0.00	1.77	0.09	0.00	1.86	0.00	88.5	0.0	0.	0.00
38	24.500	33.75	0.0	0.0	0.0	6.39	23.65	0.00	23.65	0.00	1.78	0.09	0.00	1.87	0.00	85.2	0.0	0.	0.00
39	24.400	33.70	0.0	0.0	0.0	6.35	23.67	0.00	23.67	0.00	1.79	0.09	0.00	1.88	0.00	82.0	0.0	0.	0.00
40	24.300	33.65	0.0	0.0	0.0	6.31	23.69	0.00	23.69	0.00	1.80	0.09	0.00	1.89	0.00	78.8	0.0	0.	0.00
41	24.200	33.60	0.0	0.0	0.0	6.27	23.70	0.00	23.70	0.00	1.81	0.09	0.00	1.90	0.00	75.5	0.0	0.	0.00
42	24.100	33.55	0.0	0.0	0.0	6.22	23.72	0.00	23.72	0.00	1.82	0.09	0.00	1.91	0.00	72.2	0.0	0.	0.00
43	24.000	33.50	0.0	0.0	0.0	6.16	23.74	0.00	23.74	0.00	1.82	0.09	0.00	1.91	0.00	69.0	0.0	0.	0.00
44	23.900	33.45	0.0	0.0	0.0	6.11	23.76	0.00	23.76	0.00	1.83	0.09	0.00	1.92	0.00	65.8	0.0	0.	0.00
45	23.800	33.40	0.0	0.0	0.0	6.05	23.78	0.00	23.78	0.00	1.84	0.09	0.00	1.93	0.00	62.5	0.0	0.	0.00
46	23.700	33.35	0.0	0.0	0.0	5.98	23.79	0.00	23.79	0.00	1.85	0.09	0.00	1.94	0.00	59.2	0.0	0.	0.00
47	23.600	33.30	0.0	0.0	0.0	5.91	23.81	0.00	23.81	0.00	1.86	0.09	0.00	1.95	0.00	56.0	0.0	0.	0.00
48	23.500	33.25	0.0	0.0	0.0	5.84	23.83	0.00	23.83	0.00	1.87	0.09	0.00	1.96	0.00	52.8	0.0	0.	0.00
49	23.400	33.20	0.0	0.0	0.0	5.77	23.85	0.00	23.85	0.00	1.87	0.09	0.00	1.96	0.00	49.5	0.0	0.	0.00
50	23.300	33.15	0.0	0.0	0.0	5.69	23.87	0.00	23.87	0.00	1.88	0.09	0.00	1.97	0.00	46.2	0.0	0.	0.00
51	23.200	33.10	0.0	0.0	0.0	5.61	23.89	0.00	23.89	0.00	1.89	0.09	0.00	1.98	0.00	43.0	0.0	0.	0.00
52	23.100	33.05	0.0	0.0	0.0	5.53	23.91	0.00	23.91	0.00	1.90	0.09	0.00	1.99	0.00	39.8	0.0	0.	0.00
53	23.000	33.00	0.0	0.0	0.0	5.44	23.93	0.00	23.93	0.00	1.91	0.09	0.00	2.00	0.00	36.5	0.0	0.	0.00
54	22.900	32.95	0.0	0.0	0.0	5.35	23.95	0.00	23.95	0.00	1.92	0.09	0.00	2.01	0.00	33.2	0.0	0.	0.00
55	22.800	32.90	0.0	0.0	0.0	5.24	23.98	0.00	23.98	0.00	1.93	0.09	0.00	2.02	0.00	30.0	0.0	0.	0.00
98	22.700	32.90	0.0	0.0	0.0	4.57	24.50	0.00	24.50	0.00	2.04	0.09	0.00	2.14	0.00	32.1	0.0	0.	0.00
99	22.600	32.89	0.0	0.0	0.0	4.52	24.51	0.00	24.51	0.00	2.05	0.09	0.00	2.14	0.00	34.1	0.0	0.	0.00
100	22.500	32.89	0.0	0.0	0.0	4.46	24.51	0.00	24.51	0.00	2.06	0.09	0.00	2.15	0.00	36.2	0.0	0.	0.00
101	22.400	32.89	0.0	0.0	0.0	4.41	24.52	0.00	24.52	0.00	2.07	0.09	0.00	2.16	0.00	38.2	0.0	0.	0.00
102	22.300	32.89	0.0	0.0	0.0	4.36	24.52	0.00	24.52	0.00	2.07	0.09	0.00	2.17	0.00	40.3	0.0	0.	0.00
103	22.200	32.88	0.0	0.0	0.0	4.31	24.53	0.00	24.53	0.00	2.08	0.09	0.00	2.18	0.00	42.4	0.0	0.	0.00
104	22.100	32.88	0.0	0.0	0.0	4.27	24.53	0.00	24.53	0.00	2.09	0.10	0.00	2.19	0.00	44.4	0.0	0.	0.00
105	22.000	32.88	0.0	0.0	0.0	4.22	24.54	0.00	24.54	0.00	2.10	0.10	0.00	2.19	0.00	46.5	0.0	0.	0.00
106	21.900	32.87	0.0	0.0	0.0	4.18	24.54	0.00	24.54	0.00	2.11	0.10	0.00	2.20	0.00	48.5	0.0	0.	0.00
107	21.800	32.87	0.0	0.0	0.0	4.14	24.55	0.00	24.55	0.00	2.11	0.10	0.00	2.21	0.00	50.6	0.0	0.	0.00
108	21.700	32.87	0.0	0.0	0.0	4.10	24.55	0.00	24.55	0.00	2.12	0.10	0.00	2.22	0.00	52.6	0.0	0.	0.00
109	21.600	32.86	0.0	0.0	0.0	4.06	24.56	0.00	24.56	0.00	2.13	0.10	0.00	2.23	0.00	54.7	0.0	0.	0.00
110	21.500	32.86	0.0	0.0	0.0	4.02	24.56	0.00	24.56	0.00	2.14	0.10	0.00	2.23	0.00	56.8	0.0	0.	0.00
111	21.400	32.86	0.0	0.0	0.0	3.98	24.57	0.00	24.57	0.00	2.15	0.10	0.00	2.24	0.00	58.8	0.0	0.	0.00
112	21.300	32.86	0.0	0.0	0.0	3.95	24.57	0.00	24.57	0.00	2.15	0.10	0.00	2.25	0.00	60.9	0.0	0.	0.00
113	21.200	32.85	0.0	0.0	0.0	3.91	24.58	0.00	24.58	0.00	2.16	0.10	0.00	2.26	0.00	62.9	0.0	0.	0.00
114	21.100	32.85	0.0	0.0	0.0	3.88	24.58	0.00	24.58	0.00	2.17	0.10	0.00	2.27	0.00	65.0	0.0	0.	0.00

115	21.000	32.85	0.0	0.0	0.0	3.85	24.59	0.00	24.59	0.00	2.18	0.10	0.00	2.27	0.00	67.1	0.0	0.	0.00
116	20.900	32.84	0.0	0.0	0.0	3.82	24.59	0.00	24.59	0.00	2.19	0.10	0.00	2.28	0.00	69.1	0.0	0.	0.00
117	20.800	32.84	0.0	0.0	0.0	3.79	24.60	0.00	24.60	0.00	2.19	0.10	0.00	2.29	0.00	71.2	0.0	0.	0.00
118	20.700	32.84	0.0	0.0	0.0	3.76	24.60	0.00	24.60	0.00	2.20	0.10	0.00	2.30	0.00	73.2	0.0	0.	0.00
119	20.600	32.84	0.0	0.0	0.0	3.74	24.61	0.00	24.61	0.00	2.21	0.10	0.00	2.31	0.00	75.3	0.0	0.	0.00
120	20.500	32.83	0.0	0.0	0.0	3.71	24.61	0.00	24.61	0.00	2.22	0.10	0.00	2.31	0.00	77.4	0.0	0.	0.00
121	20.400	32.83	0.0	0.0	0.0	3.69	24.62	0.00	24.62	0.00	2.23	0.10	0.00	2.32	0.00	79.4	0.0	0.	0.00
122	20.300	32.83	0.0	0.0	0.0	3.67	24.62	0.00	24.62	0.00	2.23	0.10	0.00	2.33	0.00	81.5	0.0	0.	0.00
123	20.200	32.82	0.0	0.0	0.0	3.65	24.63	0.00	24.63	0.00	2.24	0.10	0.00	2.34	0.00	83.5	0.0	0.	0.00
124	20.100	32.82	0.0	0.0	0.0	3.63	24.63	0.00	24.63	0.00	2.25	0.10	0.00	2.35	0.00	85.6	0.0	0.	0.00
125	20.000	32.82	0.0	0.0	0.0	3.61	24.64	0.00	24.64	0.00	2.26	0.10	0.00	2.35	0.00	87.6	0.0	0.	0.00
126	19.900	32.81	0.0	0.0	0.0	3.60	24.64	0.00	24.64	0.00	2.27	0.10	0.00	2.36	0.00	89.7	0.0	0.	0.00
127	19.800	32.81	0.0	0.0	0.0	3.58	24.65	0.00	24.65	0.00	2.27	0.10	0.00	2.37	0.00	91.8	0.0	0.	0.00
128	19.700	32.81	0.0	0.0	0.0	3.57	24.65	0.00	24.65	0.00	2.28	0.10	0.00	2.38	0.00	93.8	0.0	0.	0.00
129	19.600	32.81	0.0	0.0	0.0	3.56	24.66	0.00	24.66	0.00	2.29	0.10	0.00	2.39	0.00	95.9	0.0	0.	0.00
130	19.500	32.80	0.0	0.0	0.0	3.55	24.66	0.00	24.66	0.00	2.30	0.10	0.00	2.40	0.00	97.9	0.0	0.	0.00
131	19.400	32.80	0.0	0.0	0.0	3.65	24.49	0.00	24.49	0.00	2.31	0.10	0.00	2.41	0.00	100.0	0.0	0.	0.00
132	19.300	32.80	0.0	0.0	0.0	4.94	22.46	0.00	22.46	0.00	2.34	0.10	0.00	2.44	0.00	100.1	0.0	0.	0.00
133	19.200	32.79	0.0	0.0	0.0	4.98	22.82	0.00	22.82	0.00	2.35	0.10	0.00	2.45	0.00	100.2	0.0	0.	0.00
134	19.100	32.79	0.0	0.0	0.0	5.01	23.18	0.00	23.18	0.00	2.36	0.10	0.00	2.45	0.00	100.3	0.0	0.	0.00
135	19.000	32.78	0.0	0.0	0.0	5.05	23.53	0.00	23.53	0.00	2.36	0.10	0.00	2.46	0.00	100.4	0.0	0.	0.00
136	18.900	32.78	0.0	0.0	0.0	5.08	23.88	0.00	23.88	0.00	2.37	0.10	0.00	2.47	0.00	100.5	0.0	0.	0.00
137	18.800	32.78	0.0	0.0	0.0	5.11	24.23	0.00	24.23	0.00	2.37	0.10	0.00	2.47	0.00	100.6	0.0	0.	0.00
138	18.700	32.77	0.0	0.0	0.0	5.13	24.57	0.00	24.57	0.00	2.38	0.10	0.00	2.48	0.00	100.7	0.0	0.	0.00
139	18.600	32.77	0.0	0.0	0.0	5.15	24.91	0.00	24.91	0.00	2.38	0.10	0.00	2.49	0.00	100.8	0.0	0.	0.00
140	18.500	32.76	0.0	0.0	0.0	5.16	25.25	0.00	25.25	0.00	2.39	0.10	0.00	2.49	0.00	100.9	0.0	0.	0.00
141	18.400	32.76	0.0	0.0	0.0	5.18	25.58	0.00	25.58	0.00	2.40	0.10	0.00	2.50	0.00	101.0	0.0	0.	0.00
142	18.300	32.76	0.0	0.0	0.0	5.19	25.92	0.00	25.92	0.00	2.40	0.10	0.00	2.50	0.00	101.1	0.0	0.	0.00
143	18.200	32.75	0.0	0.0	0.0	5.20	26.24	0.00	26.24	0.00	2.41	0.10	0.00	2.51	0.00	101.2	0.0	0.	0.00
144	18.100	32.75	0.0	0.0	0.0	5.20	26.57	0.00	26.57	0.00	2.41	0.10	0.00	2.52	0.00	101.3	0.0	0.	0.00
145	18.000	32.74	0.0	0.0	0.0	5.20	26.89	0.00	26.89	0.00	2.42	0.10	0.00	2.52	0.00	101.4	0.0	0.	0.00
146	17.900	32.74	0.0	0.0	0.0	5.20	27.21	0.00	27.21	0.00	2.43	0.10	0.00	2.53	0.00	101.5	0.0	0.	0.00
147	17.800	32.73	0.0	0.0	0.0	5.20	27.53	0.00	27.53	0.00	2.43	0.10	0.00	2.53	0.00	101.6	0.0	0.	0.00
148	17.700	32.73	0.0	0.0	0.0	5.19	27.84	0.00	27.84	0.00	2.44	0.10	0.00	2.54	0.00	101.7	0.0	0.	0.00
149	17.600	32.73	0.0	0.0	0.0	5.19	28.15	0.00	28.15	0.00	2.44	0.10	0.00	2.55	0.00	101.8	0.0	0.	0.00
150	17.500	32.72	0.0	0.0	0.0	5.18	28.46	0.00	28.46	0.00	2.45	0.10	0.00	2.55	0.00	101.9	0.0	0.	0.00
151	17.400	32.72	0.0	0.0	0.0	5.16	28.77	0.00	28.77	0.00	2.45	0.10	0.00	2.56	0.00	102.0	0.0	0.	0.00
152	17.300	32.71	0.0	0.0	0.0	5.15	29.07	0.00	29.07	0.00	2.46	0.11	0.00	2.56	0.00	102.1	0.0	0.	0.00
153	17.200	32.71	0.0	0.0	0.0	5.13	29.37	0.00	29.37	0.00	2.47	0.11	0.00	2.57	0.00	102.2	0.0	0.	0.00
154	17.100	32.71	0.0	0.0	0.0	5.11	29.67	0.00	29.67	0.00	2.47	0.11	0.00	2.58	0.00	102.3	0.0	0.	0.00
155	17.000	32.70	0.0	0.0	0.0	5.09	29.96	0.00	29.96	0.00	2.48	0.11	0.00	2.58	0.00	102.4	0.0	0.	0.00
156	16.900	32.70	0.0	0.0	0.0	5.07	30.25	0.00	30.25	0.00	2.48	0.11	0.00	2.59	0.00	102.6	0.0	0.	0.00
157	16.800	32.69	0.0	0.0	0.0	5.05	30.54	0.00	30.54	0.00	2.49	0.11	0.00	2.60	0.00	102.7	0.0	0.	0.00
158	16.700	32.69	0.0	0.0	0.0	5.02	30.83	0.00	30.83	0.00	2.49	0.11	0.00	2.60	0.00	102.8	0.0	0.	0.00
159	16.600	32.69	0.0	0.0	0.0	4.99	31.11	0.00	31.11	0.00	2.50	0.11	0.00	2.61	0.00	102.9	0.0	0.	0.00
160	16.500	32.68	0.0	0.0	0.0	4.96	31.39	0.00	31.39	0.00	2.51	0.11	0.00	2.61	0.00	103.0	0.0	0.	0.00
161	16.400	32.68	0.0	0.0	0.0	4.93	31.67	0.00	31.67	0.00	2.51	0.11	0.00	2.62	0.00	103.1	0.0	0.	0.00
162	16.300	32.67	0.0	0.0	0.0	4.90	31.95	0.00	31.95	0.00	2.52	0.11	0.00	2.63	0.00	103.2	0.0	0.	0.00
163	16.200	32.67	0.0	0.0	0.0	4.86	32.22	0.00	32.22	0.00	2.52	0.11	0.00	2.63	0.00	103.3	0.0	0.	0.00
164	16.100	32.67	0.0	0.0	0.0	4.83	32.49	0.00	32.49	0.00	2.53	0.11	0.00	2.64	0.00	103.4	0.0	0.	0.00

165	16.000	32.66	0.0	0.0	0.0	4.79	32.76	0.00	32.76	0.00	2.53	0.11	0.00	2.64	0.00	103.5	0.0	0.	0.00
166	15.900	32.66	0.0	0.0	0.0	4.75	33.03	0.00	33.03	0.00	2.54	0.11	0.00	2.65	0.00	103.6	0.0	0.	0.00
167	15.800	32.65	0.0	0.0	0.0	4.72	33.29	0.00	33.29	0.00	2.55	0.11	0.00	2.66	0.00	103.7	0.0	0.	0.00
168	15.700	32.65	0.0	0.0	0.0	4.68	33.55	0.00	33.55	0.00	2.55	0.11	0.00	2.66	0.00	103.8	0.0	0.	0.00
169	15.600	32.64	0.0	0.0	0.0	4.63	33.81	0.00	33.81	0.00	2.56	0.11	0.00	2.67	0.00	103.9	0.0	0.	0.00
170	15.500	32.64	0.0	0.0	0.0	4.59	34.07	0.00	34.07	0.00	2.56	0.11	0.00	2.67	0.00	104.0	0.0	0.	0.00
171	15.400	32.64	0.0	0.0	0.0	4.55	34.33	0.00	34.33	0.00	2.57	0.11	0.00	2.68	0.00	104.1	0.0	0.	0.00
172	15.300	32.63	0.0	0.0	0.0	4.50	34.58	0.00	34.58	0.00	2.57	0.11	0.00	2.69	0.00	104.2	0.0	0.	0.00
173	15.200	32.63	0.0	0.0	0.0	4.46	34.83	0.00	34.83	0.00	2.58	0.11	0.00	2.69	0.00	104.3	0.0	0.	0.00
174	15.100	32.62	0.0	0.0	0.0	4.41	35.08	0.00	35.08	0.00	2.59	0.11	0.00	2.70	0.00	104.4	0.0	0.	0.00
175	15.000	32.62	0.0	0.0	0.0	4.36	35.32	0.00	35.32	0.00	2.59	0.11	0.00	2.70	0.00	104.5	0.0	0.	0.00
176	14.900	32.62	0.0	0.0	0.0	4.32	35.57	0.00	35.57	0.00	2.60	0.11	0.00	2.71	0.00	104.6	0.0	0.	0.00
177	14.800	32.61	0.0	0.0	0.0	4.27	35.81	0.00	35.81	0.00	2.60	0.11	0.00	2.72	0.00	104.7	0.0	0.	0.00
178	14.700	32.61	0.0	0.0	0.0	4.22	36.05	0.00	36.05	0.00	2.61	0.11	0.00	2.72	0.00	104.8	0.0	0.	0.00
179	14.600	32.60	0.0	0.0	0.0	4.16	36.26	0.00	36.26	0.00	2.61	0.11	0.00	2.73	0.00	104.9	0.0	0.	0.00
180	14.500	32.60	0.0	0.0	0.0	4.09	36.31	0.00	36.31	0.00	2.62	0.12	0.00	2.73	0.00	105.0	0.0	0.	0.00
181	14.400	32.60	0.0	0.0	0.0	3.96	35.56	0.00	35.56	0.00	2.61	0.12	0.00	2.73	0.00	104.5	0.0	0.	0.00
182	14.300	32.60	0.0	0.0	0.0	3.85	34.90	0.00	34.90	0.00	2.60	0.12	0.00	2.72	0.00	104.1	0.0	0.	0.00
183	14.200	32.60	0.0	0.0	0.0	3.77	34.26	0.00	34.26	0.00	2.59	0.12	0.00	2.71	0.00	103.6	0.0	0.	0.00
184	14.100	32.60	0.0	0.0	0.0	3.71	33.64	0.00	33.64	0.00	2.59	0.12	0.00	2.71	0.00	103.1	0.0	0.	0.00
185	14.000	32.60	0.0	0.0	0.0	3.66	33.04	0.00	33.04	0.00	2.58	0.12	0.00	2.70	0.00	102.6	0.0	0.	0.00
186	13.900	32.59	0.0	0.0	0.0	3.62	32.45	0.00	32.45	0.00	2.57	0.12	0.00	2.69	0.00	102.2	0.0	0.	0.00
187	13.800	32.59	0.0	0.0	0.0	3.60	31.89	0.00	31.89	0.00	2.56	0.12	0.00	2.69	0.00	101.7	0.0	0.	0.00
188	13.700	32.59	0.0	0.0	0.0	3.59	31.34	0.00	31.34	0.00	2.56	0.12	0.00	2.68	0.00	101.2	0.0	0.	0.00
189	13.600	32.59	0.0	0.0	0.0	3.60	30.81	0.00	30.81	0.00	2.55	0.13	0.00	2.68	0.00	100.7	0.0	0.	0.00
190	13.500	32.59	0.0	0.0	0.0	3.61	30.30	0.00	30.30	0.00	2.54	0.13	0.00	2.67	0.00	100.3	0.0	0.	0.00
191	13.400	32.59	0.0	0.0	0.0	3.63	29.80	0.00	29.80	0.00	2.54	0.13	0.00	2.66	0.00	99.8	0.0	0.	0.00
192	13.300	32.59	0.0	0.0	0.0	3.67	29.31	0.00	29.31	0.00	2.53	0.13	0.00	2.66	0.00	99.3	0.0	0.	0.00
193	13.200	32.59	0.0	0.0	0.0	3.71	28.85	0.00	28.85	0.00	2.52	0.13	0.00	2.65	0.00	98.8	0.0	0.	0.00
194	13.100	32.59	0.0	0.0	0.0	3.75	28.39	0.00	28.39	0.00	2.51	0.13	0.00	2.64	0.00	98.4	0.0	0.	0.00
195	13.000	32.59	0.0	0.0	0.0	3.81	27.95	0.00	27.95	0.00	2.51	0.13	0.00	2.64	0.00	97.9	0.0	0.	0.00
196	12.900	32.59	0.0	0.0	0.0	3.86	27.52	0.00	27.52	0.00	2.50	0.13	0.00	2.63	0.00	97.4	0.0	0.	0.00
197	12.800	32.59	0.0	0.0	0.0	3.93	27.11	0.00	27.11	0.00	2.49	0.13	0.00	2.62	0.00	96.9	0.0	0.	0.00
198	12.700	32.58	0.0	0.0	0.0	3.99	26.71	0.00	26.71	0.00	2.49	0.13	0.00	2.62	0.00	96.5	0.0	0.	0.00
199	12.600	32.58	0.0	0.0	0.0	4.06	26.32	0.00	26.32	0.00	2.48	0.13	0.00	2.61	0.00	96.0	0.0	0.	0.00
200	12.500	32.58	0.0	0.0	0.0	4.14	25.94	0.00	25.94	0.00	2.47	0.13	0.00	2.60	0.00	95.5	0.0	0.	0.00
201	12.400	32.58	0.0	0.0	0.0	4.22	25.57	0.00	25.57	0.00	2.47	0.13	0.00	2.60	0.00	95.0	0.0	0.	0.00
202	12.300	32.58	0.0	0.0	0.0	4.30	25.22	0.00	25.22	0.00	2.46	0.13	0.00	2.59	0.00	94.6	0.0	0.	0.00
203	12.200	32.58	0.0	0.0	0.0	4.38	24.87	0.00	24.87	0.00	2.45	0.13	0.00	2.58	0.00	94.1	0.0	0.	0.00
204	12.100	32.58	0.0	0.0	0.0	4.46	24.54	0.00	24.54	0.00	2.44	0.13	0.00	2.57	0.00	93.6	0.0	0.	0.00
205	12.000	32.58	0.0	0.0	0.0	4.55	24.21	0.00	24.21	0.00	2.44	0.13	0.00	2.57	0.00	93.1	0.0	0.	0.00
206	11.900	32.58	0.0	0.0	0.0	4.63	23.90	0.00	23.90	0.00	2.43	0.13	0.00	2.56	0.00	92.7	0.0	0.	0.00
207	11.800	32.58	0.0	0.0	0.0	4.72	23.60	0.00	23.60	0.00	2.42	0.13	0.00	2.55	0.00	92.2	0.0	0.	0.00
208	11.700	32.58	0.0	0.0	0.0	4.80	23.30	0.00	23.30	0.00	2.42	0.13	0.00	2.55	0.00	91.7	0.0	0.	0.00
209	11.600	32.58	0.0	0.0	0.0	4.89	23.02	0.00	23.02	0.00	2.41	0.13	0.00	2.54	0.00	91.2	0.0	0.	0.00
210	11.500	32.57	0.0	0.0	0.0	4.97	22.74	0.00	22.74	0.00	2.40	0.13	0.00	2.53	0.00	90.8	0.0	0.	0.00
211	11.400	32.57	0.0	0.0	0.0	5.06	22.47	0.00	22.47	0.00	2.40	0.13	0.00	2.53	0.00	90.3	0.0	0.	0.00
212	11.300	32.57	0.0	0.0	0.0	5.14	22.21	0.00	22.21	0.00	2.39	0.13	0.00	2.52	0.00	89.8	0.0	0.	0.00
213	11.200	32.57	0.0	0.0	0.0	5.23	21.96	0.00	21.96	0.00	2.38	0.13	0.00	2.51	0.00	89.4	0.0	0.	0.00
214	11.100	32.57	0.0	0.0	0.0	5.31	21.71	0.00	21.71	0.00	2.38	0.13	0.00	2.50	0.00	88.9	0.0	0.	0.00

215	11.000	32.57	0.0	0.0	0.0	5.39	21.47	0.00	21.47	0.00	2.37	0.13	0.00	2.50	0.00	88.4	0.0	0.	0.00
216	10.900	32.57	0.0	0.0	0.0	5.47	21.24	0.00	21.24	0.00	2.36	0.13	0.00	2.49	0.00	87.9	0.0	0.	0.00
217	10.800	32.57	0.0	0.0	0.0	5.55	21.02	0.00	21.02	0.00	2.36	0.13	0.00	2.48	0.00	87.5	0.0	0.	0.00
218	10.700	32.57	0.0	0.0	0.0	5.63	20.80	0.00	20.80	0.00	2.35	0.13	0.00	2.48	0.00	87.0	0.0	0.	0.00
219	10.600	32.57	0.0	0.0	0.0	5.70	20.59	0.00	20.59	0.00	2.34	0.13	0.00	2.47	0.00	86.5	0.0	0.	0.00
220	10.500	32.57	0.0	0.0	0.0	5.77	20.39	0.00	20.39	0.00	2.34	0.12	0.00	2.46	0.00	86.0	0.0	0.	0.00
221	10.400	32.56	0.0	0.0	0.0	5.84	20.19	0.00	20.19	0.00	2.33	0.12	0.00	2.45	0.00	85.6	0.0	0.	0.00
222	10.300	32.56	0.0	0.0	0.0	5.91	20.00	0.00	20.00	0.00	2.32	0.12	0.00	2.45	0.00	85.1	0.0	0.	0.00
223	10.200	32.56	0.0	0.0	0.0	5.98	19.82	0.00	19.82	0.00	2.32	0.12	0.00	2.44	0.00	84.6	0.0	0.	0.00
224	10.100	32.56	0.0	0.0	0.0	6.05	19.64	0.00	19.64	0.00	2.31	0.12	0.00	2.43	0.00	84.1	0.0	0.	0.00
225	10.000	32.56	0.0	0.0	0.0	6.11	19.46	0.00	19.46	0.00	2.30	0.12	0.00	2.43	0.00	83.7	0.0	0.	0.00
226	9.900	32.56	0.0	0.0	0.0	6.17	19.29	0.00	19.29	0.00	2.30	0.12	0.00	2.42	0.00	83.2	0.0	0.	0.00
227	9.800	32.56	0.0	0.0	0.0	6.23	19.13	0.00	19.13	0.00	2.29	0.12	0.00	2.41	0.00	82.7	0.0	0.	0.00
228	9.700	32.56	0.0	0.0	0.0	6.28	18.97	0.00	18.97	0.00	2.28	0.12	0.00	2.41	0.00	82.2	0.0	0.	0.00
229	9.600	32.56	0.0	0.0	0.0	6.34	18.82	0.00	18.82	0.00	2.28	0.12	0.00	2.40	0.00	81.8	0.0	0.	0.00
230	9.500	32.56	0.0	0.0	0.0	6.39	18.67	0.00	18.67	0.00	2.27	0.12	0.00	2.39	0.00	81.3	0.0	0.	0.00
231	9.400	32.56	0.0	0.0	0.0	6.44	18.52	0.00	18.52	0.00	2.27	0.12	0.00	2.38	0.00	80.8	0.0	0.	0.00
232	9.300	32.56	0.0	0.0	0.0	6.48	18.38	0.00	18.38	0.00	2.26	0.12	0.00	2.38	0.00	80.3	0.0	0.	0.00
233	9.200	32.55	0.0	0.0	0.0	6.53	18.24	0.00	18.24	0.00	2.25	0.12	0.00	2.37	0.00	79.9	0.0	0.	0.00
234	9.100	32.55	0.0	0.0	0.0	6.57	18.11	0.00	18.11	0.00	2.25	0.12	0.00	2.36	0.00	79.4	0.0	0.	0.00
235	9.000	32.55	0.0	0.0	0.0	6.61	17.98	0.00	17.98	0.00	2.24	0.12	0.00	2.36	0.00	78.9	0.0	0.	0.00
236	8.900	32.55	0.0	0.0	0.0	6.64	17.86	0.00	17.86	0.00	2.23	0.12	0.00	2.35	0.00	78.4	0.0	0.	0.00
237	8.800	32.55	0.0	0.0	0.0	6.68	17.74	0.00	17.74	0.00	2.23	0.12	0.00	2.34	0.00	78.0	0.0	0.	0.00
238	8.700	32.55	0.0	0.0	0.0	6.71	17.62	0.00	17.62	0.00	2.22	0.12	0.00	2.34	0.00	77.5	0.0	0.	0.00
239	8.600	32.55	0.0	0.0	0.0	6.74	17.51	0.00	17.51	0.00	2.21	0.12	0.00	2.33	0.00	77.0	0.0	0.	0.00
240	8.500	32.55	0.0	0.0	0.0	6.77	17.40	0.00	17.40	0.00	2.21	0.11	0.00	2.32	0.00	76.6	0.0	0.	0.00
241	8.400	32.55	0.0	0.0	0.0	6.79	17.29	0.00	17.29	0.00	2.20	0.11	0.00	2.32	0.00	76.1	0.0	0.	0.00
242	8.300	32.55	0.0	0.0	0.0	6.81	17.19	0.00	17.19	0.00	2.20	0.11	0.00	2.31	0.00	75.6	0.0	0.	0.00
243	8.200	32.55	0.0	0.0	0.0	6.83	17.09	0.00	17.09	0.00	2.19	0.11	0.00	2.30	0.00	75.1	0.0	0.	0.00
244	8.100	32.54	0.0	0.0	0.0	6.85	16.99	0.00	16.99	0.00	2.18	0.11	0.00	2.30	0.00	74.7	0.0	0.	0.00
245	8.000	32.54	0.0	0.0	0.0	6.86	16.90	0.00	16.90	0.00	2.18	0.11	0.00	2.29	0.00	74.2	0.0	0.	0.00
246	7.900	32.54	0.0	0.0	0.0	6.88	16.81	0.00	16.81	0.00	2.17	0.11	0.00	2.28	0.00	73.7	0.0	0.	0.00
247	7.800	32.54	0.0	0.0	0.0	6.89	16.72	0.00	16.72	0.00	2.17	0.11	0.00	2.28	0.00	73.2	0.0	0.	0.00
248	7.700	32.54	0.0	0.0	0.0	6.90	16.64	0.00	16.64	0.00	2.16	0.11	0.00	2.27	0.00	72.8	0.0	0.	0.00
249	7.600	32.54	0.0	0.0	0.0	6.90	16.55	0.00	16.55	0.00	2.15	0.11	0.00	2.26	0.00	72.3	0.0	0.	0.00
250	7.500	32.54	0.0	0.0	0.0	6.91	16.47	0.00	16.47	0.00	2.15	0.11	0.00	2.26	0.00	71.8	0.0	0.	0.00
251	7.400	32.54	0.0	0.0	0.0	6.91	16.40	0.00	16.40	0.00	2.14	0.11	0.00	2.25	0.00	71.3	0.0	0.	0.00
252	7.300	32.54	0.0	0.0	0.0	6.91	16.32	0.00	16.32	0.00	2.14	0.11	0.00	2.24	0.00	70.9	0.0	0.	0.00
253	7.200	32.54	0.0	0.0	0.0	6.90	16.25	0.00	16.25	0.00	2.13	0.11	0.00	2.24	0.00	70.4	0.0	0.	0.00
254	7.100	32.54	0.0	0.0	0.0	6.90	16.18	0.00	16.18	0.00	2.12	0.11	0.00	2.23	0.00	69.9	0.0	0.	0.00
255	7.000	32.54	0.0	0.0	0.0	6.89	16.11	0.00	16.11	0.00	2.12	0.11	0.00	2.23	0.00	69.4	0.0	0.	0.00
256	6.900	32.53	0.0	0.0	0.0	6.88	16.04	0.00	16.04	0.00	2.11	0.11	0.00	2.22	0.00	69.0	0.0	0.	0.00
257	6.800	32.53	0.0	0.0	0.0	6.87	15.98	0.00	15.98	0.00	2.11	0.11	0.00	2.21	0.00	68.5	0.0	0.	0.00
258	6.700	32.53	0.0	0.0	0.0	6.86	15.91	0.00	15.91	0.00	2.10	0.11	0.00	2.21	0.00	68.0	0.0	0.	0.00
259	6.600	32.53	0.0	0.0	0.0	6.84	15.85	0.00	15.85	0.00	2.09	0.11	0.00	2.20	0.00	67.5	0.0	0.	0.00
260	6.500	32.53	0.0	0.0	0.0	6.83	15.79	0.00	15.79	0.00	2.09	0.11	0.00	2.19	0.00	67.1	0.0	0.	0.00
261	6.400	32.53	0.0	0.0	0.0	6.81	15.74	0.00	15.74	0.00	2.08	0.11	0.00	2.19	0.00	66.6	0.0	0.	0.00
262	6.300	32.53	0.0	0.0	0.0	6.79	15.68	0.00	15.68	0.00	2.08	0.11	0.00	2.18	0.00	66.1	0.0	0.	0.00
263	6.200	32.53	0.0	0.0	0.0	6.77	15.63	0.00	15.63	0.00	2.07	0.11	0.00	2.18	0.00	65.6	0.0	0.	0.00
264	6.100	32.53	0.0	0.0	0.0	6.74	15.58	0.00	15.58	0.00	2.06	0.11	0.00	2.17	0.00	65.2	0.0	0.	0.00

265	6.000	32.53	0.0	0.0	0.0	6.72	15.53	0.00	15.53	0.00	2.06	0.11	0.00	2.16	0.00	64.7	0.0	0.	0.00
266	5.900	32.53	0.0	0.0	0.0	6.69	15.48	0.00	15.48	0.00	2.05	0.11	0.00	2.16	0.00	64.2	0.0	0.	0.00
267	5.800	32.53	0.0	0.0	0.0	6.66	15.43	0.00	15.43	0.00	2.05	0.10	0.00	2.15	0.00	63.8	0.0	0.	0.00
268	5.700	32.52	0.0	0.0	0.0	6.63	15.38	0.00	15.38	0.00	2.04	0.10	0.00	2.15	0.00	63.3	0.0	0.	0.00
269	5.600	32.52	0.0	0.0	0.0	6.60	15.34	0.00	15.34	0.00	2.04	0.10	0.00	2.14	0.00	62.8	0.0	0.	0.00
270	5.500	32.52	0.0	0.0	0.0	6.56	15.30	0.00	15.30	0.00	2.03	0.10	0.00	2.13	0.00	62.3	0.0	0.	0.00
271	5.400	32.52	0.0	0.0	0.0	6.53	15.25	0.00	15.25	0.00	2.02	0.10	0.00	2.13	0.00	61.9	0.0	0.	0.00
272	5.300	32.52	0.0	0.0	0.0	6.49	15.21	0.00	15.21	0.00	2.02	0.10	0.00	2.12	0.00	61.4	0.0	0.	0.00
273	5.200	32.52	0.0	0.0	0.0	6.45	15.17	0.00	15.17	0.00	2.01	0.10	0.00	2.12	0.00	60.9	0.0	0.	0.00
274	5.100	32.52	0.0	0.0	0.0	6.41	15.14	0.00	15.14	0.00	2.01	0.10	0.00	2.11	0.00	60.4	0.0	0.	0.00
275	5.000	32.52	0.0	0.0	0.0	6.37	15.10	0.00	15.10	0.00	2.00	0.10	0.00	2.10	0.00	60.0	0.0	0.	0.00
276	4.900	32.52	0.0	0.0	0.0	6.33	15.06	0.00	15.06	0.00	2.00	0.10	0.00	2.10	0.00	59.5	0.0	0.	0.00
277	4.800	32.52	0.0	0.0	0.0	6.29	15.03	0.00	15.03	0.00	1.99	0.10	0.00	2.09	0.00	59.0	0.0	0.	0.00
278	4.700	32.52	0.0	0.0	0.0	6.24	14.99	0.00	14.99	0.00	1.98	0.10	0.00	2.09	0.00	58.5	0.0	0.	0.00
279	4.600	32.51	0.0	0.0	0.0	6.20	14.96	0.00	14.96	0.00	1.98	0.10	0.00	2.08	0.00	58.1	0.0	0.	0.00
280	4.500	32.51	0.0	0.0	0.0	6.15	14.93	0.00	14.93	0.00	1.97	0.10	0.00	2.07	0.00	57.6	0.0	0.	0.00
281	4.400	32.51	0.0	0.0	0.0	6.10	14.90	0.00	14.90	0.00	1.97	0.10	0.00	2.07	0.00	57.1	0.0	0.	0.00
282	4.300	32.51	0.0	0.0	0.0	6.05	14.87	0.00	14.87	0.00	1.96	0.10	0.00	2.06	0.00	56.6	0.0	0.	0.00
283	4.200	32.51	0.0	0.0	0.0	6.00	14.84	0.00	14.84	0.00	1.96	0.10	0.00	2.06	0.00	56.2	0.0	0.	0.00
284	4.100	32.51	0.0	0.0	0.0	5.95	14.81	0.00	14.81	0.00	1.95	0.10	0.00	2.05	0.00	55.7	0.0	0.	0.00
285	4.000	32.51	0.0	0.0	0.0	5.89	14.79	0.00	14.79	0.00	1.95	0.10	0.00	2.05	0.00	55.2	0.0	0.	0.00
286	3.900	32.51	0.0	0.0	0.0	5.84	14.76	0.00	14.76	0.00	1.94	0.10	0.00	2.04	0.00	54.7	0.0	0.	0.00
287	3.800	32.51	0.0	0.0	0.0	5.79	14.73	0.00	14.73	0.00	1.93	0.10	0.00	2.03	0.00	54.3	0.0	0.	0.00
288	3.700	32.51	0.0	0.0	0.0	5.73	14.71	0.00	14.71	0.00	1.93	0.10	0.00	2.03	0.00	53.8	0.0	0.	0.00
289	3.600	32.51	0.0	0.0	0.0	5.67	14.69	0.00	14.69	0.00	1.92	0.10	0.00	2.02	0.00	53.3	0.0	0.	0.00
290	3.500	32.51	0.0	0.0	0.0	5.61	14.66	0.00	14.66	0.00	1.92	0.10	0.00	2.02	0.00	52.8	0.0	0.	0.00
291	3.400	32.50	0.0	0.0	0.0	5.55	14.64	0.00	14.64	0.00	1.91	0.10	0.00	2.01	0.00	52.4	0.0	0.	0.00
292	3.300	32.50	0.0	0.0	0.0	5.49	14.62	0.00	14.62	0.00	1.91	0.10	0.00	2.01	0.00	51.9	0.0	0.	0.00
293	3.200	32.50	0.0	0.0	0.0	5.43	14.60	0.00	14.60	0.00	1.90	0.10	0.00	2.00	0.00	51.4	0.0	0.	0.00
294	3.100	32.50	0.0	0.0	0.0	5.37	14.58	0.00	14.58	0.00	1.90	0.10	0.00	2.00	0.00	50.9	0.0	0.	0.00
295	3.000	32.50	0.0	0.0	0.0	5.31	14.56	0.00	14.56	0.00	1.89	0.10	0.00	1.99	0.00	50.5	0.0	0.	0.00
296	2.900	32.50	0.0	0.0	0.0	5.27	14.53	0.00	14.53	0.00	1.89	0.10	0.00	1.99	0.00	50.0	0.0	0.	0.00
297	2.800	32.44	0.0	0.0	0.0	5.25	14.49	0.00	14.49	0.00	1.89	0.10	0.00	1.99	0.00	48.3	0.0	0.	0.00
298	2.700	32.38	0.0	0.0	0.0	5.23	14.43	0.00	14.43	0.00	1.89	0.10	0.00	1.99	0.00	46.7	0.0	0.	0.00
299	2.600	32.32	0.0	0.0	0.0	5.21	14.38	0.00	14.38	0.00	1.89	0.10	0.00	1.98	0.00	45.0	0.0	0.	0.00
300	2.500	32.27	0.0	0.0	0.0	5.19	14.33	0.00	14.33	0.00	1.88	0.10	0.00	1.98	0.00	43.4	0.0	0.	0.00
301	2.400	32.21	0.0	0.0	0.0	5.16	14.28	0.00	14.28	0.00	1.88	0.10	0.00	1.98	0.00	41.7	0.0	0.	0.00
302	2.300	32.15	0.0	0.0	0.0	5.13	14.23	0.00	14.23	0.00	1.88	0.10	0.00	1.98	0.00	40.1	0.0	0.	0.00
303	2.200	32.09	0.0	0.0	0.0	5.11	14.18	0.00	14.18	0.00	1.88	0.10	0.00	1.98	0.00	38.4	0.0	0.	0.00
304	2.100	32.03	0.0	0.0	0.0	5.07	14.13	0.00	14.13	0.00	1.88	0.10	0.00	1.98	0.00	36.8	0.0	0.	0.00
305	2.000	31.97	0.0	0.0	0.0	5.04	14.08	0.00	14.08	0.00	1.88	0.10	0.00	1.98	0.00	35.1	0.0	0.	0.00
306	1.900	31.91	0.0	0.0	0.0	5.01	14.03	0.00	14.03	0.00	1.88	0.10	0.00	1.98	0.00	33.4	0.0	0.	0.00
307	1.800	31.86	0.0	0.0	0.0	4.97	13.98	0.00	13.98	0.00	1.88	0.10	0.00	1.98	0.00	31.8	0.0	0.	0.00
308	1.700	31.80	0.0	0.0	0.0	4.93	13.94	0.00	13.94	0.00	1.88	0.10	0.00	1.98	0.00	30.1	0.0	0.	0.00
309	1.600	31.74	0.0	0.0	0.0	4.89	13.89	0.00	13.89	0.00	1.88	0.10	0.00	1.98	0.00	28.5	0.0	0.	0.00
310	1.500	31.68	0.0	0.0	0.0	4.85	13.84	0.00	13.84	0.00	1.88	0.10	0.00	1.97	0.00	26.8	0.0	0.	0.00
311	1.400	31.62	0.0	0.0	0.0	4.81	13.80	0.00	13.80	0.00	1.87	0.10	0.00	1.97	0.00	25.2	0.0	0.	0.00
312	1.300	31.56	0.0	0.0	0.0	4.76	13.75	0.00	13.75	0.00	1.87	0.10	0.00	1.97	0.00	23.5	0.0	0.	0.00
313	1.200	31.50	0.0	0.0	0.0	4.71	13.71	0.00	13.71	0.00	1.87	0.10	0.00	1.97	0.00	21.9	0.0	0.	0.00
314	1.100	31.44	0.0	0.0	0.0	4.66	13.66	0.00	13.66	0.00	1.87	0.10	0.00	1.97	0.00	20.2	0.0	0.	0.00

315	1.000	31.39	0.0	0.0	0.0	4.61	13.62	0.00	13.62	0.00	1.87	0.10	0.00	1.97	0.00	18.6	0.0	0.	0.00	
316	0.900	31.33	0.0	0.0	0.0	4.56	13.58	0.00	13.58	0.00	1.87	0.10	0.00	1.97	0.00	16.9	0.0	0.	0.00	
317	0.800	31.27	0.0	0.0	0.0	4.51	13.53	0.00	13.53	0.00	1.87	0.10	0.00	1.97	0.00	15.2	0.0	0.	0.00	
318	0.700	31.21	0.0	0.0	0.0	4.45	13.49	0.00	13.49	0.00	1.87	0.10	0.00	1.97	0.00	13.6	0.0	0.	0.00	
319	0.600	31.15	0.0	0.0	0.0	4.39	13.45	0.00	13.45	0.00	1.87	0.10	0.00	1.97	0.00	11.9	0.0	0.	0.00	
320	0.500	31.09	0.0	0.0	0.0	4.34	13.41	0.00	13.41	0.00	1.87	0.10	0.00	1.97	0.00	10.3	0.0	0.	0.00	
321	0.400	31.03	0.0	0.0	0.0	4.28	13.37	0.00	13.37	0.00	1.87	0.10	0.00	1.97	0.00	8.6	0.0	0.	0.00	
322	0.300	30.98	0.0	0.0	0.0	4.21	13.33	0.00	13.33	0.00	1.86	0.10	0.00	1.96	0.00	7.0	0.0	0.	0.00	
323	0.200	30.92	0.0	0.0	0.0	4.15	13.28	0.00	13.28	0.00	1.86	0.10	0.00	1.96	0.00	5.3	0.0	0.	0.00	
324	0.100	30.86	0.0	0.0	0.0	4.09	13.14	0.00	13.14	0.00	1.84	0.10	0.00	1.94	0.00	3.7	0.0	0.	0.00	
325	0.000	30.80	0.0	0.0	0.0	4.09	11.74	0.00	11.74	0.00	1.60	0.10	0.00	1.70	0.00	2.0	0.0	0.	0.00	

SPECIAL REPORT: Fourmile Bayou Oxbow

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
56	4.100	33.88	0.0	0.0	0.0	6.67	25.52	0.00	25.52	0.00	1.73	0.10	0.03	1.85	0.00	93.5	0.0	0.	0.00
57	4.000	33.85	0.0	0.0	0.0	6.54	25.55	0.00	25.55	0.00	1.75	0.10	0.02	1.87	0.00	91.9	0.0	0.	0.00
58	3.900	33.83	0.0	0.0	0.0	6.41	25.57	0.00	25.57	0.00	1.77	0.10	0.01	1.88	0.00	90.4	0.0	0.	0.00
59	3.800	33.80	0.0	0.0	0.0	6.28	25.59	0.00	25.59	0.00	1.80	0.10	0.00	1.90	0.00	88.8	0.0	0.	0.00
60	3.700	33.78	0.0	0.0	0.0	6.15	25.62	0.00	25.62	0.00	1.82	0.10	0.00	1.92	0.00	87.3	0.0	0.	0.00
61	3.600	33.76	0.0	0.0	0.0	6.01	25.64	0.00	25.64	0.00	1.84	0.10	0.00	1.94	0.00	85.7	0.0	0.	0.00
62	3.500	33.73	0.0	0.0	0.0	5.87	25.66	0.00	25.66	0.00	1.87	0.10	0.00	1.97	0.00	84.2	0.0	0.	0.00
63	3.400	33.71	0.0	0.0	0.0	5.73	25.69	0.00	25.69	0.00	1.89	0.10	0.00	1.99	0.00	82.6	0.0	0.	0.00
64	3.300	33.69	0.0	0.0	0.0	5.59	25.71	0.00	25.71	0.00	1.91	0.10	0.00	2.01	0.00	81.1	0.0	0.	0.00
65	3.200	33.66	0.0	0.0	0.0	5.44	25.74	0.00	25.74	0.00	1.94	0.10	0.00	2.04	0.00	79.5	0.0	0.	0.00
66	3.100	33.64	0.0	0.0	0.0	5.29	25.76	0.00	25.76	0.00	1.96	0.10	0.00	2.06	0.00	78.0	0.0	0.	0.00
67	3.000	33.61	0.0	0.0	0.0	5.14	25.78	0.00	25.78	0.00	1.99	0.10	0.00	2.08	0.00	76.4	0.0	0.	0.00
68	2.900	33.59	0.0	0.0	0.0	4.98	25.81	0.00	25.81	0.00	2.01	0.10	0.00	2.11	0.00	74.9	0.0	0.	0.00
69	2.800	33.57	0.0	0.0	0.0	4.82	25.83	0.00	25.83	0.00	2.03	0.10	0.00	2.13	0.00	73.3	0.0	0.	0.00
70	2.700	33.54	0.0	0.0	0.0	4.66	25.85	0.00	25.85	0.00	2.06	0.10	0.00	2.15	0.00	71.8	0.0	0.	0.00
71	2.600	33.52	0.0	0.0	0.0	4.50	25.88	0.00	25.88	0.00	2.08	0.10	0.00	2.18	0.00	70.2	0.0	0.	0.00
72	2.500	33.50	0.0	0.0	0.0	4.34	25.90	0.00	25.90	0.00	2.10	0.10	0.00	2.20	0.00	68.7	0.0	0.	0.00
73	2.400	33.47	0.0	0.0	0.0	4.17	25.93	0.00	25.93	0.00	2.13	0.10	0.00	2.22	0.00	67.1	0.0	0.	0.00
74	2.300	33.45	0.0	0.0	0.0	4.00	25.95	0.00	25.95	0.00	2.15	0.10	0.00	2.25	0.00	65.6	0.0	0.	0.00
75	2.200	33.42	0.0	0.0	0.0	3.83	25.97	0.00	25.97	0.00	2.17	0.10	0.00	2.27	0.00	64.0	0.0	0.	0.00
76	2.100	33.40	0.0	0.0	0.0	3.65	26.00	0.00	26.00	0.00	2.20	0.10	0.00	2.30	0.00	62.5	0.0	0.	0.00
77	2.000	33.38	0.0	0.0	0.0	3.48	26.02	0.00	26.02	0.00	2.22	0.10	0.00	2.32	0.00	61.0	0.0	0.	0.00
78	1.900	33.35	0.0	0.0	0.0	3.30	26.05	0.00	26.05	0.00	2.24	0.10	0.00	2.34	0.00	59.4	0.0	0.	0.00
79	1.800	33.33	0.0	0.0	0.0	3.12	26.07	0.00	26.07	0.00	2.27	0.10	0.00	2.37	0.00	57.9	0.0	0.	0.00
80	1.700	33.30	0.0	0.0	0.0	2.93	26.10	0.00	26.10	0.00	2.29	0.10	0.00	2.39	0.00	56.3	0.0	0.	0.00
81	1.600	33.28	0.0	0.0	0.0	2.75	26.12	0.00	26.12	0.00	2.31	0.10	0.00	2.41	0.00	54.8	0.0	0.	0.00
82	1.500	33.26	0.0	0.0	0.0	2.56	26.14	0.00	26.14	0.00	2.34	0.10	0.00	2.44	0.00	53.2	0.0	0.	0.00
83	1.400	33.23	0.0	0.0	0.0	2.37	26.17	0.00	26.17	0.00	2.36	0.10	0.00	2.46	0.00	51.7	0.0	0.	0.00
84	1.300	33.21	0.0	0.0	0.0	2.18	26.19	0.00	26.19	0.00	2.38	0.10	0.00	2.49	0.00	50.1	0.0	0.	0.00
85	1.200	33.19	0.0	0.0	0.0	1.99	26.22	0.00	26.22	0.00	2.41	0.10	0.00	2.51	0.00	48.6	0.0	0.	0.00
86	1.100	33.16	0.0	0.0	0.0	1.83	26.27	0.00	26.27	0.00	2.43	0.10	0.00	2.53	0.00	47.0	0.0	0.	0.00
87	1.000	33.14	0.0	0.0	0.0	1.69	26.34	0.00	26.34	0.00	2.45	0.11	0.00	2.56	0.00	45.5	0.0	0.	0.00
88	0.900	33.11	0.0	0.0	0.0	1.58	26.43	0.00	26.43	0.00	2.48	0.11	0.00	2.58	0.00	43.9	0.0	0.	0.00
89	0.800	33.09	0.0	0.0	0.0	1.47	26.53	0.00	26.53	0.00	2.50	0.11	0.00	2.61	0.00	42.4	0.0	0.	0.00
90	0.700	33.07	0.0	0.0	0.0	1.38	26.64	0.00	26.64	0.00	2.52	0.11	0.00	2.63	0.00	40.8	0.0	0.	0.00

91	0.600	33.04	0.0	0.0	0.0	1.30	26.76	0.00	26.76	0.00	2.55	0.11	0.00	2.66	0.00	39.3	0.0	0.	0.00
92	0.500	33.02	0.0	0.0	0.0	1.23	26.89	0.00	26.89	0.00	2.57	0.11	0.00	2.68	0.00	37.7	0.0	0.	0.00
93	0.400	33.00	0.0	0.0	0.0	1.17	27.04	0.00	27.04	0.00	2.59	0.11	0.00	2.71	0.00	36.2	0.0	0.	0.00
94	0.300	32.97	0.0	0.0	0.0	1.11	27.19	0.00	27.19	0.00	2.62	0.12	0.00	2.73	0.00	34.6	0.0	0.	0.00
95	0.200	32.95	0.0	0.0	0.0	1.06	27.34	0.00	27.34	0.00	2.64	0.12	0.00	2.76	0.00	33.1	0.0	0.	0.00
96	0.100	32.92	0.0	0.0	0.0	1.03	27.47	0.00	27.47	0.00	2.66	0.12	0.00	2.78	0.00	31.5	0.0	0.	0.00
97	0.000	32.90	0.0	0.0	0.0	1.29	27.28	0.00	27.28	0.00	2.62	0.12	0.00	2.73	0.00	30.0	0.0	0.	0.00

SPECIAL REPORT: Grassy Lake

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 1/da	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	28.200	7.17	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	0.03	0.00	0.55	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	
2	28.100	7.17	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	0.03	0.00	0.56	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	
3	28.000	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	0.03	0.00	0.56	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	
4	27.900	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00	
5	27.800	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00	
6	27.700	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00	
7	27.600	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00	
8	27.500	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00	
9	27.400	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00	
10	27.300	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00	
11	27.200	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00	
12	27.100	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.56	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00	
13	27.000	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00	
14	26.900	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00	
15	26.800	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00	
16	26.700	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00	
17	26.600	7.12	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00	
18	26.500	7.12	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00	
19	26.400	7.12	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00	
20	26.300	7.12	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00	
21	26.200	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00	
22	26.100	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00	
23	26.000	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.03	0.00	0.58	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00	
24	25.900	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.03	0.00	0.58	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00	
25	25.800	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00	
26	25.700	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00	
27	25.600	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00	
28	25.500	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00	
29	25.400	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00	
30	25.300	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00	
31	25.200	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00	
32	25.100	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00	
33	25.000	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	
34	24.900	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.03	0.00	0.59	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	
35	24.800	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.03	0.00	0.59	0.00	0.00	0.00	8.99	0.00	0.00	0.00	0.00	
36	24.700	7.08	0.17	0.40	0.00	0.00	0.00	0.00	0.00	7.18	7.18	0.03	0.00	0.58	0.00	0.00	0.00	8.67	0.00	0.00	0.00	0.00	
37	24.600	7.09	0.17	0.40	0.00	0.00	0.00	0.00	0.00	7.15	7.15	0.03	0.00	0.58	0.00	0.00	0.00	8.34	0.00	0.00	0.00	0.00	
38	24.500	7.09	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.13	7.13	0.03	0.00	0.58	0.00	0.00	0.00	8.02	0.00	0.00	0.00	0.00	

39	24.400	7.10	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.11	7.11	0.03	0.00	0.57	0.00	0.00	0.00	7.69	0.00	0.00	0.00	0.00
40	24.300	7.11	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.09	7.09	0.03	0.00	0.57	0.00	0.00	0.00	7.37	0.00	0.00	0.00	0.00
41	24.200	7.11	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.06	7.06	0.03	0.00	0.57	0.00	0.00	0.00	7.05	0.00	0.00	0.00	0.00
42	24.100	7.12	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.04	7.04	0.03	0.00	0.57	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00
43	24.000	7.12	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.02	7.02	0.03	0.00	0.56	0.00	0.00	0.00	6.41	0.00	0.00	0.00	0.00
44	23.900	7.13	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.00	7.00	0.03	0.00	0.56	0.00	0.00	0.00	6.10	0.00	0.00	0.00	0.00
45	23.800	7.14	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.98	6.98	0.03	0.00	0.56	0.00	0.00	0.00	5.78	0.00	0.00	0.00	0.00
46	23.700	7.14	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.95	6.95	0.03	0.00	0.55	0.00	0.00	0.00	5.47	0.00	0.00	0.00	0.00
47	23.600	7.15	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.93	6.93	0.03	0.00	0.55	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00
48	23.500	7.15	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.91	6.91	0.03	0.00	0.54	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00
49	23.400	7.16	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.89	6.89	0.03	0.00	0.54	0.00	0.00	0.00	4.54	0.00	0.00	0.00	0.00
50	23.300	7.16	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.87	6.87	0.03	0.00	0.54	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00
51	23.200	7.17	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.85	6.85	0.03	0.00	0.53	0.00	0.00	0.00	3.92	0.00	0.00	0.00	0.00
52	23.100	7.18	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.82	6.82	0.03	0.00	0.53	0.00	0.00	0.00	3.62	0.00	0.00	0.00	0.00
53	23.000	7.18	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.80	6.80	0.03	0.00	0.53	0.00	0.00	0.00	3.32	0.00	0.00	0.00	0.00
54	22.900	7.19	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.78	6.78	0.03	0.00	0.52	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
55	22.800	7.20	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	0.03	0.00	0.52	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
98	22.700	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	0.03	0.00	0.50	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00
99	22.600	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	0.03	0.00	0.50	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00
100	22.500	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	0.03	0.00	0.50	0.00	0.00	0.00	3.27	0.00	0.00	0.00	0.00
101	22.400	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	0.03	0.00	0.50	0.00	0.00	0.00	3.46	0.00	0.00	0.00	0.00
102	22.300	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	3.64	0.00	0.00	0.00	0.00
103	22.200	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	3.83	0.00	0.00	0.00	0.00
104	22.100	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
105	22.000	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00
106	21.900	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	4.38	0.00	0.00	0.00	0.00
107	21.800	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00
108	21.700	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	0.03	0.00	0.48	0.00	0.00	0.00	4.75	0.00	0.00	0.00	0.00
109	21.600	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00
110	21.500	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00
111	21.400	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.31	0.00	0.00	0.00	0.00
112	21.300	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.49	0.00	0.00	0.00	0.00
113	21.200	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.68	0.00	0.00	0.00	0.00
114	21.100	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.86	0.00	0.00	0.00	0.00
115	21.000	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	6.05	0.00	0.00	0.00	0.00
116	20.900	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	0.03	0.00	0.47	0.00	0.00	0.00	6.23	0.00	0.00	0.00	0.00
117	20.800	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	6.42	0.00	0.00	0.00	0.00
118	20.700	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00
119	20.600	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	6.79	0.00	0.00	0.00	0.00
120	20.500	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	6.97	0.00	0.00	0.00	0.00
121	20.400	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	7.16	0.00	0.00	0.00	0.00
122	20.300	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	7.34	0.00	0.00	0.00	0.00
123	20.200	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00
124	20.100	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	7.71	0.00	0.00	0.00	0.00
125	20.000	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	0.03	0.00	0.47	0.00	0.00	0.00	7.90	0.00	0.00	0.00	0.00
126	19.900	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	0.03	0.00	0.47	0.00	0.00	0.00	8.08	0.00	0.00	0.00	0.00
127	19.800	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	0.03	0.00	0.46	0.00	0.00	0.00	8.26	0.00	0.00	0.00	0.00
128	19.700	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	0.03	0.00	0.46	0.00	0.00	0.00	8.45	0.00	0.00	0.00	0.00
129	19.600	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	0.03	0.00	0.46	0.00	0.00	0.00	8.63	0.00	0.00	0.00	0.00
130	19.500	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	0.03	0.00	0.46	0.00	0.00	0.00	8.82	0.00	0.00	0.00	0.00

131	19.400	7.21	0.21	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	0.03	0.00	0.47	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
132	19.300	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	0.03	0.00	0.51	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
133	19.200	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	0.03	0.00	0.51	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
134	19.100	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	0.03	0.00	0.51	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
135	19.000	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	0.03	0.00	0.51	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
136	18.900	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
137	18.800	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
138	18.700	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
139	18.600	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
140	18.500	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
141	18.400	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
142	18.300	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
143	18.200	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
144	18.100	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
145	18.000	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
146	17.900	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
147	17.800	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00
148	17.700	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.13	0.00	0.00	0.00	0.00
149	17.600	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00
150	17.500	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00
151	17.400	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00
152	17.300	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.16	0.00	0.00	0.00	0.00
153	17.200	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
154	17.100	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
155	17.000	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.18	0.00	0.00	0.00	0.00
156	16.900	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
157	16.800	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.50	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
158	16.700	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.50	0.00	0.00	0.00	9.20	0.00	0.00	0.00	0.00
159	16.600	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.21	0.00	0.00	0.00	0.00
160	16.500	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
161	16.400	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
162	16.300	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.23	0.00	0.00	0.00	0.00
163	16.200	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00
164	16.100	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00
165	16.000	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00
166	15.900	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.26	0.00	0.00	0.00	0.00
167	15.800	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.49	0.00	0.00	0.00	9.27	0.00	0.00	0.00	0.00
168	15.700	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.49	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
169	15.600	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.49	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
170	15.500	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	0.03	0.00	0.49	0.00	0.00	0.00	9.29	0.00	0.00	0.00	0.00
171	15.400	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.49	0.00	0.00	0.00	9.30	0.00	0.00	0.00	0.00
172	15.300	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.49	0.00	0.00	0.00	9.31	0.00	0.00	0.00	0.00
173	15.200	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.49	0.00	0.00	0.00	9.31	0.00	0.00	0.00	0.00
174	15.100	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.49	0.00	0.00	0.00	9.32	0.00	0.00	0.00	0.00
175	15.000	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.33	0.00	0.00	0.00	0.00
176	14.900	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.34	0.00	0.00	0.00	0.00
177	14.800	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.34	0.00	0.00	0.00	0.00
178	14.700	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.35	0.00	0.00	0.00	0.00
179	14.600	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.36	0.00	0.00	0.00	0.00
180	14.500	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.47	0.00	0.00	0.00	9.36	0.00	0.00	0.00	0.00

181	14.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.47	0.00	0.00	0.00	9.32	0.00	0.00	0.00	0.00
182	14.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.47	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
183	14.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00
184	14.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
185	14.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00
186	13.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
187	13.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
188	13.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
189	13.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	8.98	0.00	0.00	0.00	0.00
190	13.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.94	0.00	0.00	0.00	0.00
191	13.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.90	0.00	0.00	0.00	0.00
192	13.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.85	0.00	0.00	0.00	0.00
193	13.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.81	0.00	0.00	0.00	0.00
194	13.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.77	0.00	0.00	0.00	0.00
195	13.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.73	0.00	0.00	0.00	0.00
196	12.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00
197	12.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.64	0.00	0.00	0.00	0.00
198	12.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.60	0.00	0.00	0.00	0.00
199	12.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.55	0.00	0.00	0.00	0.00
200	12.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.51	0.00	0.00	0.00	0.00
201	12.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.47	0.00	0.00	0.00	0.00
202	12.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.43	0.00	0.00	0.00	0.00
203	12.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.38	0.00	0.00	0.00	0.00
204	12.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.34	0.00	0.00	0.00	0.00
205	12.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.30	0.00	0.00	0.00	0.00
206	11.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.26	0.00	0.00	0.00	0.00
207	11.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.21	0.00	0.00	0.00	0.00
208	11.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.17	0.00	0.00	0.00	0.00
209	11.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.13	0.00	0.00	0.00	0.00
210	11.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.09	0.00	0.00	0.00	0.00
211	11.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.04	0.00	0.00	0.00	0.00
212	11.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
213	11.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	7.96	0.00	0.00	0.00	0.00
214	11.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
215	11.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.87	0.00	0.00	0.00	0.00
216	10.900	7.23	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.83	0.00	0.00	0.00	0.00
217	10.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.79	0.00	0.00	0.00	0.00
218	10.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00
219	10.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.70	0.00	0.00	0.00	0.00
220	10.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.66	0.00	0.00	0.00	0.00
221	10.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.62	0.00	0.00	0.00	0.00
222	10.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.58	0.00	0.00	0.00	0.00
223	10.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00
224	10.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.49	0.00	0.00	0.00	0.00
225	10.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00
226	9.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.41	0.00	0.00	0.00	0.00
227	9.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.36	0.00	0.00	0.00	0.00
228	9.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.32	0.00	0.00	0.00	0.00
229	9.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.28	0.00	0.00	0.00	0.00
230	9.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.24	0.00	0.00	0.00	0.00

231	9.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.19	0.00	0.00	0.00	0.00
232	9.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.15	0.00	0.00	0.00	0.00
233	9.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.11	0.00	0.00	0.00	0.00
234	9.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.07	0.00	0.00	0.00	0.00
235	9.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.02	0.00	0.00	0.00	0.00
236	8.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.98	0.00	0.00	0.00	0.00
237	8.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.94	0.00	0.00	0.00	0.00
238	8.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.90	0.00	0.00	0.00	0.00
239	8.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.85	0.00	0.00	0.00	0.00
240	8.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.81	0.00	0.00	0.00	0.00
241	8.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.77	0.00	0.00	0.00	0.00
242	8.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00
243	8.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.68	0.00	0.00	0.00	0.00
244	8.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.64	0.00	0.00	0.00	0.00
245	8.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00
246	7.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.56	0.00	0.00	0.00	0.00
247	7.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.51	0.00	0.00	0.00	0.00
248	7.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.47	0.00	0.00	0.00	0.00
249	7.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.43	0.00	0.00	0.00	0.00
250	7.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.39	0.00	0.00	0.00	0.00
251	7.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.34	0.00	0.00	0.00	0.00
252	7.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.30	0.00	0.00	0.00	0.00
253	7.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.26	0.00	0.00	0.00	0.00
254	7.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.22	0.00	0.00	0.00	0.00
255	7.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.17	0.00	0.00	0.00	0.00
256	6.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.13	0.00	0.00	0.00	0.00
257	6.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.09	0.00	0.00	0.00	0.00
258	6.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.05	0.00	0.00	0.00	0.00
259	6.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.01	0.00	0.00	0.00	0.00
260	6.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.96	0.00	0.00	0.00	0.00
261	6.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.92	0.00	0.00	0.00	0.00
262	6.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00
263	6.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.84	0.00	0.00	0.00	0.00
264	6.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.79	0.00	0.00	0.00	0.00
265	6.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.75	0.00	0.00	0.00	0.00
266	5.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.71	0.00	0.00	0.00	0.00
267	5.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.67	0.00	0.00	0.00	0.00
268	5.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.62	0.00	0.00	0.00	0.00
269	5.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.58	0.00	0.00	0.00	0.00
270	5.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.54	0.00	0.00	0.00	0.00
271	5.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.50	0.00	0.00	0.00	0.00
272	5.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.45	0.00	0.00	0.00	0.00
273	5.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.41	0.00	0.00	0.00	0.00
274	5.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.37	0.00	0.00	0.00	0.00
275	5.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.33	0.00	0.00	0.00	0.00
276	4.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.28	0.00	0.00	0.00	0.00
277	4.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.24	0.00	0.00	0.00	0.00
278	4.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.20	0.00	0.00	0.00	0.00
279	4.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00
280	4.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00

281	4.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.07	0.00	0.00	0.00	0.00
282	4.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.03	0.00	0.00	0.00	0.00
283	4.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.99	0.00	0.00	0.00	0.00
284	4.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00
285	4.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.90	0.00	0.00	0.00	0.00
286	3.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
287	3.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.82	0.00	0.00	0.00	0.00
288	3.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.78	0.00	0.00	0.00	0.00
289	3.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00
290	3.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.69	0.00	0.00	0.00	0.00
291	3.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00
292	3.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.61	0.00	0.00	0.00	0.00
293	3.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00
294	3.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.52	0.00	0.00	0.00	0.00
295	3.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00
296	2.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00
297	2.800	7.25	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	0.03	0.00	0.50	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00
298	2.700	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	0.03	0.00	0.50	0.00	0.00	0.00	4.12	0.00	0.00	0.00	0.00
299	2.600	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00
300	2.500	7.27	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.81	0.00	0.00	0.00	0.00
301	2.400	7.28	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.51	1.51	0.03	0.00	0.49	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00
302	2.300	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.50	0.00	0.00	0.00	0.00
303	2.200	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.35	0.00	0.00	0.00	0.00
304	2.100	7.30	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.48	0.00	0.00	0.00	3.19	0.00	0.00	0.00	0.00
305	2.000	7.31	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.48	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
306	1.900	7.32	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.47	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
307	1.800	7.32	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.47	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
308	1.700	7.33	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	0.03	0.00	0.47	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
309	1.600	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	0.03	0.00	0.46	0.00	0.00	0.00	2.44	0.00	0.00	0.00	0.00
310	1.500	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.03	0.00	0.46	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00
311	1.400	7.35	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.03	0.00	0.46	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
312	1.300	7.36	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.45	1.45	0.03	0.00	0.45	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
313	1.200	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.03	0.00	0.45	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
314	1.100	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.03	0.00	0.45	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
315	1.000	7.38	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	0.03	0.00	0.44	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00
316	0.900	7.39	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	0.03	0.00	0.44	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
317	0.800	7.40	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.42	1.42	0.03	0.00	0.44	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
318	0.700	7.40	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.42	1.42	0.02	0.00	0.43	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
319	0.600	7.41	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	0.02	0.00	0.43	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
320	0.500	7.42	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	0.02	0.00	0.43	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00
321	0.400	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	0.02	0.00	0.42	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00
322	0.300	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	0.02	0.00	0.42	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
323	0.200	7.44	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	0.02	0.00	0.42	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00
324	0.100	7.45	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	0.02	0.00	0.41	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
325	0.000	7.46	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.38	1.38	0.02	0.00	0.41	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00

SPECIAL REPORT: Fourmile Bayou Oxbow

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 SOD 1/da	FULL SOD 1/da	CORR DECAY 1/da	ORG-N SETT *	ORG-N DECAY **	NH3 SRCE **	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD 1/da	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
281	4.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.07	0.00	0.00	0.00	0.00	
282	4.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.03	0.00	0.00	0.00	0.00	
283	4.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.99	0.00	0.00	0.00	0.00	
284	4.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00	
285	4.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.90	0.00	0.00	0.00	0.00	
286	3.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00	
287	3.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.82	0.00	0.00	0.00	0.00	
288	3.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.78	0.00	0.00	0.00	0.00	
289	3.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00	
290	3.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.69	0.00	0.00	0.00	0.00	
291	3.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00	
292	3.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.61	0.00	0.00	0.00	0.00	
293	3.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00	
294	3.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.52	0.00	0.00	0.00	0.00	
295	3.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00	
296	2.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00	
297	2.800	7.25	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	0.03	0.00	0.50	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00	
298	2.700	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	0.03	0.00	0.50	0.00	0.00	0.00	4.12	0.00	0.00	0.00	0.00	
299	2.600	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00	
300	2.500	7.27	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.81	0.00	0.00	0.00	0.00	
301	2.400	7.28	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.51	1.51	0.03	0.00	0.49	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00	
302	2.300	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.50	0.00	0.00	0.00	0.00	
303	2.200	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.35	0.00	0.00	0.00	0.00	
304	2.100	7.30	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.48	0.00	0.00	0.00	3.19	0.00	0.00	0.00	0.00	
305	2.000	7.31	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.48	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	
306	1.900	7.32	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.47	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00	
307	1.800	7.32	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.47	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00	
308	1.700	7.33	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	0.03	0.00	0.47	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00	
309	1.600	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	0.03	0.00	0.46	0.00	0.00	0.00	2.44	0.00	0.00	0.00	0.00	
310	1.500	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.03	0.00	0.46	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00	
311	1.400	7.35	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.03	0.00	0.46	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00	
312	1.300	7.36	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.45	1.45	0.03	0.00	0.45	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	
313	1.200	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.03	0.00	0.45	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00	
314	1.100	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.03	0.00	0.45	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00	
315	1.000	7.38	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	0.03	0.00	0.44	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00	
316	0.900	7.39	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	0.03	0.00	0.44	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00	
317	0.800	7.40	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.42	1.42	0.03	0.00	0.44	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	
318	0.700	7.40	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.42	1.42	0.02	0.00	0.43	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	
319	0.600	7.41	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	0.02	0.00	0.43	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	
320	0.500	7.42	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	0.02	0.00	0.43	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00	
321	0.400	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	0.02	0.00	0.42	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	
322	0.300	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	0.02	0.00	0.42	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	
323	0.200	7.44	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	0.02	0.00	0.42	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	
324	0.100	7.45	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	0.02	0.00	0.41	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	
325	0.000	7.46	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.38	1.38	0.02	0.00	0.41	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	

56	4.100	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.19	7.19	0.03	0.00	0.59	0.00	0.00	0.00	8.84	0.00	0.00	0.00	0.00
57	4.000	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.18	7.18	0.03	0.00	0.58	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00
58	3.900	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.17	7.17	0.03	0.00	0.58	0.00	0.00	0.00	8.53	0.00	0.00	0.00	0.00
59	3.800	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.16	7.16	0.03	0.00	0.58	0.00	0.00	0.00	8.37	0.00	0.00	0.00	0.00
60	3.700	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.15	7.15	0.03	0.00	0.57	0.00	0.00	0.00	8.22	0.00	0.00	0.00	0.00
61	3.600	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.13	7.13	0.03	0.00	0.57	0.00	0.00	0.00	8.06	0.00	0.00	0.00	0.00
62	3.500	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.12	7.12	0.03	0.00	0.57	0.00	0.00	0.00	7.91	0.00	0.00	0.00	0.00
63	3.400	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.11	7.11	0.03	0.00	0.56	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00
64	3.300	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.10	7.10	0.03	0.00	0.56	0.00	0.00	0.00	7.60	0.00	0.00	0.00	0.00
65	3.200	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.09	7.09	0.03	0.00	0.55	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00
66	3.100	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.08	7.08	0.03	0.00	0.55	0.00	0.00	0.00	7.29	0.00	0.00	0.00	0.00
67	3.000	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.07	7.07	0.03	0.00	0.55	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00
68	2.900	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.06	7.06	0.03	0.00	0.54	0.00	0.00	0.00	6.99	0.00	0.00	0.00	0.00
69	2.800	7.12	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.05	7.05	0.03	0.00	0.53	0.00	0.00	0.00	6.84	0.00	0.00	0.00	0.00
70	2.700	7.12	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.04	7.04	0.03	0.00	0.53	0.00	0.00	0.00	6.69	0.00	0.00	0.00	0.00
71	2.600	7.12	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.03	7.03	0.03	0.00	0.52	0.00	0.00	0.00	6.53	0.00	0.00	0.00	0.00
72	2.500	7.12	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.02	7.02	0.03	0.00	0.52	0.00	0.00	0.00	6.38	0.00	0.00	0.00	0.00
73	2.400	7.13	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.01	7.01	0.03	0.00	0.51	0.00	0.00	0.00	6.23	0.00	0.00	0.00	0.00
74	2.300	7.13	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.00	7.00	0.03	0.00	0.50	0.00	0.00	0.00	6.08	0.00	0.00	0.00	0.00
75	2.200	7.13	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.99	6.99	0.03	0.00	0.50	0.00	0.00	0.00	5.93	0.00	0.00	0.00	0.00
76	2.100	7.14	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.98	6.98	0.03	0.00	0.49	0.00	0.00	0.00	5.78	0.00	0.00	0.00	0.00
77	2.000	7.14	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.97	6.97	0.03	0.00	0.48	0.00	0.00	0.00	5.63	0.00	0.00	0.00	0.00
78	1.900	7.14	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.96	6.96	0.03	0.00	0.47	0.00	0.00	0.00	5.48	0.00	0.00	0.00	0.00
79	1.800	7.14	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.94	6.94	0.03	0.00	0.46	0.00	0.00	0.00	5.34	0.00	0.00	0.00	0.00
80	1.700	7.15	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.93	6.93	0.03	0.00	0.45	0.00	0.00	0.00	5.19	0.00	0.00	0.00	0.00
81	1.600	7.15	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.92	6.92	0.03	0.00	0.44	0.00	0.00	0.00	5.04	0.00	0.00	0.00	0.00
82	1.500	7.15	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.91	6.91	0.03	0.00	0.43	0.00	0.00	0.00	4.89	0.00	0.00	0.00	0.00
83	1.400	7.15	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.90	6.90	0.03	0.00	0.42	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00
84	1.300	7.16	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.89	6.89	0.03	0.00	0.40	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00
85	1.200	7.16	0.36	0.38	0.00	0.00	0.00	0.00	0.00	6.88	6.86	0.03	0.00	0.39	0.00	0.00	0.00	4.45	0.00	0.00	0.00	0.00
86	1.100	7.16	0.36	0.35	0.00	0.00	0.00	0.00	0.00	6.87	6.30	0.03	0.00	0.29	0.00	0.00	0.00	4.30	0.00	0.00	0.00	0.00
87	1.000	7.17	0.36	0.33	0.00	0.00	0.00	0.00	0.00	6.86	5.81	0.03	0.00	0.21	0.00	0.00	0.00	4.16	0.00	0.00	0.00	0.00
88	0.900	7.17	0.36	0.30	0.00	0.00	0.00	0.00	0.00	6.85	5.40	0.03	0.00	0.16	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
89	0.800	7.17	0.35	0.28	0.00	0.00	0.00	0.00	0.00	6.84	5.03	0.03	0.00	0.12	0.00	0.00	0.00	3.87	0.00	0.00	0.00	0.00
90	0.700	7.18	0.35	0.26	0.00	0.00	0.00	0.00	0.00	6.83	4.72	0.03	0.00	0.10	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00
91	0.600	7.18	0.35	0.25	0.00	0.00	0.00	0.00	0.00	6.82	4.44	0.03	0.00	0.08	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00
92	0.500	7.18	0.35	0.23	0.00	0.00	0.00	0.00	0.00	6.81	4.19	0.03	0.00	0.06	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00
93	0.400	7.18	0.35	0.22	0.00	0.00	0.00	0.00	0.00	6.80	3.97	0.03	0.00	0.05	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00
94	0.300	7.19	0.35	0.21	0.00	0.00	0.00	0.00	0.00	6.79	3.77	0.03	0.00	0.04	0.00	0.00	0.00	3.14	0.00	0.00	0.00	0.00
95	0.200	7.19	0.35	0.20	0.00	0.00	0.00	0.00	0.00	6.78	3.60	0.03	0.00	0.04	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
96	0.100	7.19	0.35	0.20	0.00	0.00	0.00	0.00	0.00	6.77	3.49	0.03	0.00	0.03	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
97	0.000	7.20	0.35	0.25	0.00	0.00	0.00	0.00	0.00	6.76	4.36	0.03	0.00	0.08	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 1 Grassy Lake Calibration Simulation for Lake Verret and Grassy Lake 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
1	HDWTR	60.70000	33.10	0.00	0.00	0.00	6.70	23.50	0.00	23.50	0.00	1.60	0.10	0.04	0.00	100.00	0.00	0.00
26	WSTLD	-8.80000	33.69	0.00	0.00	0.00	6.58	23.60	0.00	23.60	0.00	1.71	0.09	0.00	0.00	96.29	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN VELO m²/s	MEAN VELO m/s
1	28.30	28.20	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
2	28.20	28.10	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
3	28.10	28.00	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
4	28.00	27.90	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
5	27.90	27.80	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
6	27.80	27.70	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
7	27.70	27.60	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
8	27.60	27.50	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
9	27.50	27.40	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
10	27.40	27.30	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
11	27.30	27.20	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
12	27.20	27.10	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
13	27.10	27.00	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
14	27.00	26.90	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
15	26.90	26.80	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
16	26.80	26.70	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
17	26.70	26.60	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
18	26.60	26.50	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
19	26.50	26.40	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
20	26.40	26.30	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
21	26.30	26.20	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
22	26.20	26.10	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
23	26.10	26.00	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
24	26.00	25.90	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
25	25.90	25.80	60.70000	0.0	0.04475	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.045
26	25.80	25.70	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
27	25.70	25.60	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
28	25.60	25.50	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
29	25.50	25.40	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
30	25.40	25.30	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
31	25.30	25.20	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
32	25.20	25.10	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
33	25.10	25.00	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
34	25.00	24.90	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
35	24.90	24.80	51.90000	0.0	0.03826	0.03	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.038
TOT					0.95				4747505.00	4700500.00					
AVG				0.0427			1.01	1343.00			1356.43				
CUM					0.95										

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

ELEM NO.	ENDING DIST mg/L	SAT D.O.	REAER RATE 1/da	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 *	FULL SOD 1/da	CORR DECAY 1/da	ORGN SETT *	ORGN DECAY **	SRCE **	NH3 RATE 1/da	NH3 SRCE 1/da	DENIT PROD 1/da	PO4 PROD *	ALG DECAY **	MAC DECAY **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
1	28.200	7.17	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.03	0.00	0.55	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00		
2	28.100	7.17	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.03	0.00	0.56	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00		
3	28.000	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.03	0.00	0.56	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00		
4	27.900	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00		
5	27.800	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00		

6	27.700	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
7	27.600	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
8	27.500	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
9	27.400	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
10	27.300	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
11	27.200	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
12	27.100	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.56	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
13	27.000	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
14	26.900	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
15	26.800	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
16	26.700	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
17	26.600	7.12	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.64	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
18	26.500	7.12	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.64	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
19	26.400	7.12	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.64	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
20	26.300	7.12	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.64	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
21	26.200	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
22	26.100	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
23	26.000	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	1.65	0.03	0.00	0.58	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
24	25.900	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	1.65	0.03	0.00	0.58	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
25	25.800	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
26	25.700	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
27	25.600	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
28	25.500	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
29	25.400	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
30	25.300	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
31	25.200	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
32	25.100	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
33	25.000	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
34	24.900	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.68	1.68	1.68	0.03	0.00	0.59	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
35	24.800	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.68	1.68	1.68	0.03	0.00	0.59	0.00	0.00	0.00	8.99	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.74	0.18	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/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
1	28.200	33.12	0.00	0.00	0.00	6.70	23.51	0.00	23.51	0.00	1.60	0.10	0.03	1.73	0.00	99.86	0.00	0.	0.00
2	28.100	33.15	0.00	0.00	0.00	6.70	23.51	0.00	23.51	0.00	1.61	0.10	0.02	1.73	0.00	99.71	0.00	0.	0.00
3	28.000	33.17	0.00	0.00	0.00	6.70	23.52	0.00	23.52	0.00	1.61	0.10	0.01	1.72	0.00	99.57	0.00	0.	0.00
4	27.900	33.19	0.00	0.00	0.00	6.70	23.53	0.00	23.53	0.00	1.62	0.10	0.00	1.72	0.00	99.43	0.00	0.	0.00
5	27.800	33.21	0.00	0.00	0.00	6.70	23.53	0.00	23.53	0.00	1.62	0.10	0.00	1.72	0.00	99.29	0.00	0.	0.00
6	27.700	33.24	0.00	0.00	0.00	6.69	23.54	0.00	23.54	0.00	1.63	0.10	0.00	1.72	0.00	99.14	0.00	0.	0.00
7	27.600	33.26	0.00	0.00	0.00	6.69	23.54	0.00	23.54	0.00	1.63	0.10	0.00	1.73	0.00	99.00	0.00	0.	0.00
8	27.500	33.28	0.00	0.00	0.00	6.69	23.55	0.00	23.55	0.00	1.64	0.10	0.00	1.73	0.00	98.86	0.00	0.	0.00
9	27.400	33.31	0.00	0.00	0.00	6.69	23.55	0.00	23.55	0.00	1.64	0.10	0.00	1.74	0.00	98.71	0.00	0.	0.00
10	27.300	33.33	0.00	0.00	0.00	6.68	23.56	0.00	23.56	0.00	1.64	0.10	0.00	1.74	0.00	98.57	0.00	0.	0.00
11	27.200	33.35	0.00	0.00	0.00	6.68	23.56	0.00	23.56	0.00	1.65	0.10	0.00	1.74	0.00	98.43	0.00	0.	0.00
12	27.100	33.37	0.00	0.00	0.00	6.67	23.57	0.00	23.57	0.00	1.65	0.10	0.00	1.75	0.00	98.29	0.00	0.	0.00
13	27.000	33.40	0.00	0.00	0.00	6.67	23.57	0.00	23.57	0.00	1.66	0.10	0.00	1.75	0.00	98.14	0.00	0.	0.00
14	26.900	33.42	0.00	0.00	0.00	6.66	23.58	0.00	23.58	0.00	1.66	0.10	0.00	1.76	0.00	98.00	0.00	0.	0.00
15	26.800	33.44	0.00	0.00	0.00	6.66	23.58	0.00	23.58	0.00	1.67	0.10	0.00	1.76	0.00	97.86	0.00	0.	0.00

16	26.700	33.47	0.00	0.00	0.00	6.65	23.58	0.00	23.58	0.00	1.67	0.10	0.00	1.77	0.00	97.71	0.00	0.	0.00
17	26.600	33.49	0.00	0.00	0.00	6.65	23.59	0.00	23.59	0.00	1.67	0.09	0.00	1.77	0.00	97.57	0.00	0.	0.00
18	26.500	33.51	0.00	0.00	0.00	6.64	23.59	0.00	23.59	0.00	1.68	0.09	0.00	1.77	0.00	97.43	0.00	0.	0.00
19	26.400	33.53	0.00	0.00	0.00	6.64	23.59	0.00	23.59	0.00	1.68	0.09	0.00	1.78	0.00	97.29	0.00	0.	0.00
20	26.300	33.56	0.00	0.00	0.00	6.63	23.59	0.00	23.59	0.00	1.69	0.09	0.00	1.78	0.00	97.14	0.00	0.	0.00
21	26.200	33.58	0.00	0.00	0.00	6.62	23.59	0.00	23.59	0.00	1.69	0.09	0.00	1.79	0.00	97.00	0.00	0.	0.00
22	26.100	33.60	0.00	0.00	0.00	6.61	23.60	0.00	23.60	0.00	1.70	0.09	0.00	1.79	0.00	96.86	0.00	0.	0.00
23	26.000	33.63	0.00	0.00	0.00	6.61	23.60	0.00	23.60	0.00	1.70	0.09	0.00	1.79	0.00	96.71	0.00	0.	0.00
24	25.900	33.65	0.00	0.00	0.00	6.60	23.60	0.00	23.60	0.00	1.70	0.09	0.00	1.80	0.00	96.57	0.00	0.	0.00
25	25.800	33.67	0.00	0.00	0.00	6.59	23.60	0.00	23.60	0.00	1.71	0.09	0.00	1.80	0.00	96.43	0.00	0.	0.00
26	25.700	33.69	0.00	0.00	0.00	6.58	23.60	0.00	23.60	0.00	1.71	0.09	0.00	1.81	0.00	96.29	0.00	0.	0.00
27	25.600	33.72	0.00	0.00	0.00	6.57	23.60	0.00	23.60	0.00	1.72	0.09	0.00	1.81	0.00	96.14	0.00	0.	0.00
28	25.500	33.74	0.00	0.00	0.00	6.56	23.60	0.00	23.60	0.00	1.72	0.09	0.00	1.82	0.00	96.00	0.00	0.	0.00
29	25.400	33.76	0.00	0.00	0.00	6.55	23.60	0.00	23.60	0.00	1.73	0.09	0.00	1.82	0.00	95.86	0.00	0.	0.00
30	25.300	33.79	0.00	0.00	0.00	6.54	23.60	0.00	23.60	0.00	1.73	0.09	0.00	1.82	0.00	95.71	0.00	0.	0.00
31	25.200	33.81	0.00	0.00	0.00	6.53	23.60	0.00	23.60	0.00	1.74	0.09	0.00	1.83	0.00	95.57	0.00	0.	0.00
32	25.100	33.83	0.00	0.00	0.00	6.52	23.60	0.00	23.60	0.00	1.74	0.09	0.00	1.83	0.00	95.43	0.00	0.	0.00
33	25.000	33.85	0.00	0.00	0.00	6.51	23.60	0.00	23.60	0.00	1.75	0.09	0.00	1.84	0.00	95.29	0.00	0.	0.00
34	24.900	33.88	0.00	0.00	0.00	6.50	23.60	0.00	23.60	0.00	1.75	0.09	0.00	1.84	0.00	95.14	0.00	0.	0.00
35	24.800	33.90	0.00	0.00	0.00	6.49	23.60	0.00	23.60	0.00	1.76	0.09	0.00	1.85	0.00	95.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 2 Fourmile Bayou 1 Calibration Simulation for Lake Verret and Grassy Lake 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
36	UPR RCH	51.90000	33.90	0.00	0.00	0.00	6.49	23.60	0.00	23.60	0.00	1.76	0.09	0.00	0.00	95.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
36	24.80	24.70	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
37	24.70	24.60	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
38	24.60	24.50	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
39	24.50	24.40	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
40	24.40	24.30	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
41	24.30	24.20	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
42	24.20	24.10	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
43	24.10	24.00	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
44	24.00	23.90	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
45	23.90	23.80	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
46	23.80	23.70	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
47	23.70	23.60	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
48	23.60	23.50	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
49	23.50	23.40	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
50	23.40	23.30	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
51	23.30	23.20	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
52	23.20	23.10	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
53	23.10	23.00	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
54	23.00	22.90	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093
55	22.90	22.80	51.90000	0.0	0.09257	0.01	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.300	0.093

TOT							0.25				1121360.00	214000.00														
AVG							0.0926			5.24	107.00													560.68		
CUM							1.20																			

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

ELEM NO.	ENDING DIST	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#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	ORGN DECAY 1/da	NH3 SRCE *	NH3 RATE **	NH3 SRCE **	DENIT PROD 1/da	PO4 PROD 1/da	ALG DECAY 1/da	MAC DECAY 1/da	COLI SETT 1/da	NCM	NCM
36	24.700	7.08	0.17	0.40	0.00	0.00	0.00	0.00	0.00	7.18	7.18	7.18	0.03	0.00	0.58	0.00	0.00	0.00	8.67	0.00	0.00	0.00	0.00		
37	24.600	7.09	0.17	0.40	0.00	0.00	0.00	0.00	0.00	7.15	7.15	7.15	0.03	0.00	0.58	0.00	0.00	0.00	8.34	0.00	0.00	0.00	0.00		
38	24.500	7.09	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.13	7.13	7.13	0.03	0.00	0.58	0.00	0.00	0.00	8.02	0.00	0.00	0.00	0.00		
39	24.400	7.10	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.11	7.11	7.11	0.03	0.00	0.57	0.00	0.00	0.00	7.69	0.00	0.00	0.00	0.00		
40	24.300	7.11	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.09	7.09	7.09	0.03	0.00	0.57	0.00	0.00	0.00	7.37	0.00	0.00	0.00	0.00		
41	24.200	7.11	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.06	7.06	7.06	0.03	0.00	0.57	0.00	0.00	0.00	7.05	0.00	0.00	0.00	0.00		
42	24.100	7.12	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.04	7.04	7.04	0.03	0.00	0.57	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00		
43	24.000	7.12	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.02	7.02	7.02	0.03	0.00	0.56	0.00	0.00	0.00	6.41	0.00	0.00	0.00	0.00		
44	23.900	7.13	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.00	7.00	7.00	0.03	0.00	0.56	0.00	0.00	0.00	6.10	0.00	0.00	0.00	0.00		
45	23.800	7.14	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.98	6.98	6.98	0.03	0.00	0.56	0.00	0.00	0.00	5.78	0.00	0.00	0.00	0.00		
46	23.700	7.14	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.95	6.95	6.95	0.03	0.00	0.55	0.00	0.00	0.00	5.47	0.00	0.00	0.00	0.00		
47	23.600	7.15	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.93	6.93	6.93	0.03	0.00	0.55	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00		
48	23.500	7.15	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.03	0.00	0.54	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00		
49	23.400	7.16	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.89	6.89	6.89	0.03	0.00	0.54	0.00	0.00	0.00	4.54	0.00	0.00	0.00	0.00		
50	23.300	7.16	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.87	6.87	6.87	0.03	0.00	0.54	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00		
51	23.200	7.17	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.85	6.85	6.85	0.03	0.00	0.53	0.00	0.00	0.00	3.92	0.00	0.00	0.00	0.00		
52	23.100	7.18	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.82	6.82	6.82	0.03	0.00	0.53	0.00	0.00	0.00	3.62	0.00	0.00	0.00	0.00		
53	23.000	7.18	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.80	6.80	6.80	0.03	0.00	0.53	0.00	0.00	0.00	3.32	0.00	0.00	0.00	0.00		
54	22.900	7.19	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.78	6.78	6.78	0.03	0.00	0.52	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00		
55	22.800	7.20	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	6.76	0.03	0.00	0.52	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00		
AVG 20 DEG C RATE			0.13	0.21	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/m²/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/m³	PHOS	CHL A	MACRO #/100mL	COLI	NCM
36	24.700	33.85	0.00	0.00	0.00	6.46	23.62	0.00	23.62	0.00	1.77	0.09	0.00	1.86	0.00	91.75	0.00	0.	0.00	
37	24.600	33.80	0.00	0.00	0.00	6.43	23.63	0.00	23.63	0.00	1.77	0.09	0.00	1.86	0.00	88.50	0.00	0.	0.00	
38	24.500	33.75	0.00	0.00	0.00	6.39	23.65	0.00	23.65	0.00	1.78	0.09	0.00	1.87	0.00	85.25	0.00	0.	0.00	
39	24.400	33.70	0.00	0.00	0.00	6.35	23.67	0.00	23.67	0.00	1.79	0.09	0.00	1.88	0.00	82.00	0.00	0.	0.00	
40	24.300	33.65	0.00	0.00	0.00	6.31	23.69	0.00	23.69	0.00	1.80	0.09	0.00	1.89	0.00	78.75	0.00	0.	0.00	
41	24.200	33.60	0.00	0.00	0.00	6.27	23.70	0.00	23.70	0.00	1.81	0.09	0.00	1.90	0.00	75.50	0.00	0.	0.00	
42	24.100	33.55	0.00	0.00	0.00	6.22	23.72	0.00	23.72	0.00	1.82	0.09	0.00	1.91	0.00	72.25	0.00	0.	0.00	
43	24.000	33.50	0.00	0.00	0.00	6.16	23.74	0.00	23.74	0.00	1.82	0.09	0.00	1.91	0.00	69.00	0.00	0.	0.00	
44	23.900	33.45	0.00	0.00	0.00	6.11	23.76	0.00	23.76	0.00	1.83	0.09	0.00	1.92	0.00	65.75	0.00	0.	0.00	
45	23.800	33.40	0.00	0.00	0.00	6.05	23.78	0.00	23.78	0.00	1.84	0.09	0.00	1.93	0.00	62.50	0.00	0.	0.00	
46	23.700	33.35	0.00	0.00	0.00	5.98	23.79	0.00	23.79	0.00	1.85	0.09	0.00	1.94	0.00	59.25	0.00	0.	0.00	
47	23.600	33.30	0.00	0.00	0.00	5.91	23.81	0.00	23.81	0.00	1.86	0.09	0.00	1.95	0.00	56.00	0.00	0.	0.00	
48	23.500	33.25	0.00	0.00	0.00	5.84	23.83	0.00	23.83	0.00	1.87	0.09	0.00	1.96	0.00	52.75	0.00	0.	0.00	
49	23.400	33.20	0.00	0.00	0.00	5.77	23.85	0.00	23.85	0.00	1.87	0.09	0.00	1.96	0.00	49.50	0.00	0.	0.00	
50	23.300	33.15	0.00	0.00	0.00	5.69	23.87	0.00	23.87	0.00	1.88	0.09	0.00	1.97	0.00	46.25	0.00	0.	0.00	
51	23.200	33.10	0.00	0.00	0.00	5.61	23.89	0.00	23.89	0.00	1.89	0.09	0.00	1.98	0.00	43.00	0.00	0.	0.00	
52	23.100	33.05	0.00	0.00	0.00	5.53	23.91	0.00	23.91	0.00	1.90	0.09	0.00	1.99	0.00	39.75	0.00	0.	0.00	
53	23.000	33.00	0.00	0.00	0.00	5.44	23.93	0.00	23.93	0.00	1.91	0.09	0.00	2.00	0.00	36.50	0.00	0.	0.00	

54	22.900	32.95	0.00	0.00	0.00	5.35	23.95	0.00	23.95	0.00	1.92	0.09	0.00	2.01	0.00	33.25	0.00	0.	0.00
55	22.800	32.90	0.00	0.00	0.00	5.24	23.98	0.00	23.98	0.00	1.93	0.09	0.00	2.02	0.00	30.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 4 Fourmile Bayou 2 Calibration Simulation for Lake Verret and Grassy Lake 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
98	UPR RCH	51.90000	32.90	0.00	0.00	0.00	5.24	23.98	0.00	23.98	0.00	1.93	0.09	0.00	0.00	30.00	0.00	0.00
98	TRIB	8.80000	32.90	0.00	0.00	0.00	1.29	27.28	0.00	27.28	0.00	2.62	0.12	0.00	0.00	30.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW EFF m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	TIDAL PRISM m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN
98	22.80	22.70	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
99	22.70	22.60	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
100	22.60	22.50	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
101	22.50	22.40	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
102	22.40	22.30	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
103	22.30	22.20	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
104	22.20	22.10	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
105	22.10	22.00	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
106	22.00	21.90	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
107	21.90	21.80	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
108	21.80	21.70	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
109	21.70	21.60	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
110	21.60	21.50	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
111	21.50	21.40	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
112	21.40	21.30	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
113	21.30	21.20	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
114	21.20	21.10	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
115	21.10	21.00	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
116	21.00	20.90	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
117	20.90	20.80	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
118	20.80	20.70	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
119	20.70	20.60	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
120	20.60	20.50	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
121	20.50	20.40	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
122	20.40	20.30	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
123	20.30	20.20	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
124	20.20	20.10	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
125	20.10	20.00	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
126	20.00	19.90	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
127	19.90	19.80	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
128	19.80	19.70	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
129	19.70	19.60	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
130	19.60	19.50	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
131	19.50	19.40	60.70000	0.0	0.15893	0.01	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.159
TOT					0.25			1298562.00	295800.00						
AVG				0.1589			4.39	87.00			381.93				
CUM					1.45										

********** 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	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		
98	22.700	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	6.76	0.03	0.00	0.50	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00	
99	22.600	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	6.76	0.03	0.00	0.50	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	
100	22.500	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	6.76	0.03	0.00	0.50	0.00	0.00	0.00	3.27	0.00	0.00	0.00	0.00	
101	22.400	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	6.75	0.03	0.00	0.50	0.00	0.00	0.00	3.46	0.00	0.00	0.00	0.00	
102	22.300	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	3.64	0.00	0.00	0.00	0.00	
103	22.200	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	3.83	0.00	0.00	0.00	0.00	
104	22.100	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00	
105	22.000	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00	
106	21.900	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	4.38	0.00	0.00	0.00	0.00	
107	21.800	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	6.75	0.03	0.00	0.49	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00	
108	21.700	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.75	6.75	6.75	0.03	0.00	0.48	0.00	0.00	0.00	4.75	0.00	0.00	0.00	0.00	
109	21.600	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00	
110	21.500	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00	
111	21.400	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.31	0.00	0.00	0.00	0.00	
112	21.300	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.49	0.00	0.00	0.00	0.00	
113	21.200	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.68	0.00	0.00	0.00	0.00	
114	21.100	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	5.86	0.00	0.00	0.00	0.00	
115	21.000	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.74	0.03	0.00	0.48	0.00	0.00	0.00	6.05	0.00	0.00	0.00	0.00	
116	20.900	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.74	0.03	0.00	0.47	0.00	0.00	0.00	6.23	0.00	0.00	0.00	0.00	
117	20.800	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	6.42	0.00	0.00	0.00	0.00	
118	20.700	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00	
119	20.600	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	6.79	0.00	0.00	0.00	0.00	
120	20.500	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	6.97	0.00	0.00	0.00	0.00	
121	20.400	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	7.16	0.00	0.00	0.00	0.00	
122	20.300	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	7.34	0.00	0.00	0.00	0.00	
123	20.200	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00	
124	20.100	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.73	6.73	6.73	0.03	0.00	0.47	0.00	0.00	0.00	7.71	0.00	0.00	0.00	0.00	
125	20.000	7.20	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	6.72	0.03	0.00	0.47	0.00	0.00	0.00	7.90	0.00	0.00	0.00	0.00	
126	19.900	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	6.72	0.03	0.00	0.47	0.00	0.00	0.00	8.08	0.00	0.00	0.00	0.00	
127	19.800	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	6.72	0.03	0.00	0.46	0.00	0.00	0.00	8.26	0.00	0.00	0.00	0.00	
128	19.700	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	6.72	0.03	0.00	0.46	0.00	0.00	0.00	8.45	0.00	0.00	0.00	0.00	
129	19.600	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	6.72	0.03	0.00	0.46	0.00	0.00	0.00	8.63	0.00	0.00	0.00	0.00	
130	19.500	7.21	0.22	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	6.72	0.03	0.00	0.46	0.00	0.00	0.00	8.82	0.00	0.00	0.00	0.00	
131	19.400	7.21	0.21	0.38	0.00	0.00	0.00	0.00	0.00	6.72	6.72	6.72	0.03	0.00	0.47	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	
AVG 20 DEG C RATE			0.17	0.21	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/m²/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 mg/L	TOTN µg/L	PHOS g/m³	CHL A #/100mL	MACRO	COLI	NCM
98	22.700	32.90	0.00	0.00	0.00	4.57	24.50	0.00	24.50	0.00	2.04	0.09	0.00	2.14	0.00	32.06	0.00	0.	0.00
99	22.600	32.89	0.00	0.00	0.00	4.52	24.51	0.00	24.51	0.00	2.05	0.09	0.00	2.14	0.00	34.12	0.00	0.	0.00
100	22.500	32.89	0.00	0.00	0.00	4.46	24.51	0.00	24.51	0.00	2.06	0.09	0.00	2.15	0.00	36.18	0.00	0.	0.00
101	22.400	32.89	0.00	0.00	0.00	4.41	24.52	0.00	24.52	0.00	2.07	0.09	0.00	2.16	0.00	38.24	0.00	0.	0.00
102	22.300	32.89	0.00	0.00	0.00	4.36	24.52	0.00	24.52	0.00	2.07	0.09	0.00	2.17	0.00	40.29	0.00	0.	0.00
103	22.200	32.88	0.00	0.00	0.00	4.31	24.53	0.00	24.53	0.00	2.08	0.09	0.00	2.18	0.00	42.35	0.00	0.	0.00
104	22.100	32.88	0.00	0.00	0.00	4.27	24.53	0.00	24.53	0.00	2.09	0.10	0.00	2.19	0.00	44.41	0.00	0.	0.00

105	22.000	32.88	0.00	0.00	0.00	4.22	24.54	0.00	24.54	0.00	2.10	0.10	0.00	2.19	0.00	46.47	0.00	0.	0.00
106	21.900	32.87	0.00	0.00	0.00	4.18	24.54	0.00	24.54	0.00	2.11	0.10	0.00	2.20	0.00	48.53	0.00	0.	0.00
107	21.800	32.87	0.00	0.00	0.00	4.14	24.55	0.00	24.55	0.00	2.11	0.10	0.00	2.21	0.00	50.59	0.00	0.	0.00
108	21.700	32.87	0.00	0.00	0.00	4.10	24.55	0.00	24.55	0.00	2.12	0.10	0.00	2.22	0.00	52.65	0.00	0.	0.00
109	21.600	32.86	0.00	0.00	0.00	4.06	24.56	0.00	24.56	0.00	2.13	0.10	0.00	2.23	0.00	54.71	0.00	0.	0.00
110	21.500	32.86	0.00	0.00	0.00	4.02	24.56	0.00	24.56	0.00	2.14	0.10	0.00	2.23	0.00	56.76	0.00	0.	0.00
111	21.400	32.86	0.00	0.00	0.00	3.98	24.57	0.00	24.57	0.00	2.15	0.10	0.00	2.24	0.00	58.82	0.00	0.	0.00
112	21.300	32.86	0.00	0.00	0.00	3.95	24.57	0.00	24.57	0.00	2.15	0.10	0.00	2.25	0.00	60.88	0.00	0.	0.00
113	21.200	32.85	0.00	0.00	0.00	3.91	24.58	0.00	24.58	0.00	2.16	0.10	0.00	2.26	0.00	62.94	0.00	0.	0.00
114	21.100	32.85	0.00	0.00	0.00	3.88	24.58	0.00	24.58	0.00	2.17	0.10	0.00	2.27	0.00	65.00	0.00	0.	0.00
115	21.000	32.85	0.00	0.00	0.00	3.85	24.59	0.00	24.59	0.00	2.18	0.10	0.00	2.27	0.00	67.06	0.00	0.	0.00
116	20.900	32.84	0.00	0.00	0.00	3.82	24.59	0.00	24.59	0.00	2.19	0.10	0.00	2.28	0.00	69.12	0.00	0.	0.00
117	20.800	32.84	0.00	0.00	0.00	3.79	24.60	0.00	24.60	0.00	2.19	0.10	0.00	2.29	0.00	71.18	0.00	0.	0.00
118	20.700	32.84	0.00	0.00	0.00	3.76	24.60	0.00	24.60	0.00	2.20	0.10	0.00	2.30	0.00	73.24	0.00	0.	0.00
119	20.600	32.84	0.00	0.00	0.00	3.74	24.61	0.00	24.61	0.00	2.21	0.10	0.00	2.31	0.00	75.29	0.00	0.	0.00
120	20.500	32.83	0.00	0.00	0.00	3.71	24.61	0.00	24.61	0.00	2.22	0.10	0.00	2.31	0.00	77.35	0.00	0.	0.00
121	20.400	32.83	0.00	0.00	0.00	3.69	24.62	0.00	24.62	0.00	2.23	0.10	0.00	2.32	0.00	79.41	0.00	0.	0.00
122	20.300	32.83	0.00	0.00	0.00	3.67	24.62	0.00	24.62	0.00	2.23	0.10	0.00	2.33	0.00	81.47	0.00	0.	0.00
123	20.200	32.82	0.00	0.00	0.00	3.65	24.63	0.00	24.63	0.00	2.24	0.10	0.00	2.34	0.00	83.53	0.00	0.	0.00
124	20.100	32.82	0.00	0.00	0.00	3.63	24.63	0.00	24.63	0.00	2.25	0.10	0.00	2.35	0.00	85.59	0.00	0.	0.00
125	20.000	32.82	0.00	0.00	0.00	3.61	24.64	0.00	24.64	0.00	2.26	0.10	0.00	2.35	0.00	87.65	0.00	0.	0.00
126	19.900	32.81	0.00	0.00	0.00	3.60	24.64	0.00	24.64	0.00	2.27	0.10	0.00	2.36	0.00	89.71	0.00	0.	0.00
127	19.800	32.81	0.00	0.00	0.00	3.58	24.65	0.00	24.65	0.00	2.27	0.10	0.00	2.37	0.00	91.76	0.00	0.	0.00
128	19.700	32.81	0.00	0.00	0.00	3.57	24.65	0.00	24.65	0.00	2.28	0.10	0.00	2.38	0.00	93.82	0.00	0.	0.00
129	19.600	32.81	0.00	0.00	0.00	3.56	24.66	0.00	24.66	0.00	2.29	0.10	0.00	2.39	0.00	95.88	0.00	0.	0.00
130	19.500	32.80	0.00	0.00	0.00	3.55	24.66	0.00	24.66	0.00	2.30	0.10	0.00	2.40	0.00	97.94	0.00	0.	0.00
131	19.400	32.80	0.00	0.00	0.00	3.65	24.49	0.00	24.49	0.00	2.31	0.10	0.00	2.41	0.00	100.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 5 Lake Verret 1 Calibration Simulation for Lake Verret and Grassy Lake 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
132	UPR RCH	60.70000	32.80	0.00	0.00	0.00	3.65	24.49	0.00	24.49	0.00	2.31	0.10	0.00	0.00	100.00	0.00	0.00
132	WSTLD	30.10000	33.10	0.00	0.00	0.00	7.60	16.80	0.00	16.80	0.00	2.40	0.10	0.20	0.00	0.00	0.00	0.00
140	WSTLD	0.00157	0.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	2.00	1.50	2.00	0.00	0.00	0.00	0.00
149	WSTLD	0.00044	0.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	2.00	1.50	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
132	19.40	19.30	90.80000	33.1	0.03581	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
133	19.30	19.20	90.80000	33.1	0.03581	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
134	19.20	19.10	90.80000	33.1	0.03581	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
135	19.10	19.00	90.80000	33.1	0.03581	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
136	19.00	18.90	90.80000	33.1	0.03581	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
137	18.90	18.80	90.80000	33.1	0.03581	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
138	18.80	18.70	90.80000	33.1	0.03581	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
139	18.70	18.60	90.80000	33.1	0.03581	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
140	18.60	18.50	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
141	18.50	18.40	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036

142	18.40	18.30	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
143	18.30	18.20	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
144	18.20	18.10	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
145	18.10	18.00	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
146	18.00	17.90	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
147	17.90	17.80	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
148	17.80	17.70	90.80157	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
149	17.70	17.60	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
150	17.60	17.50	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
151	17.50	17.40	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
152	17.40	17.30	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
153	17.30	17.20	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
154	17.20	17.10	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
155	17.10	17.00	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
156	17.00	16.90	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
157	16.90	16.80	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
158	16.80	16.70	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
159	16.70	16.60	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
160	16.60	16.50	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
161	16.50	16.40	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
162	16.40	16.30	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
163	16.30	16.20	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
164	16.20	16.10	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
165	16.10	16.00	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
166	16.00	15.90	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
167	15.90	15.80	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
168	15.80	15.70	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
169	15.70	15.60	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
170	15.60	15.50	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
171	15.50	15.40	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
172	15.40	15.30	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
173	15.30	15.20	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
174	15.20	15.10	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
175	15.10	15.00	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
176	15.00	14.90	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
177	14.90	14.80	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
178	14.80	14.70	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
179	14.70	14.60	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
180	14.60	14.50	90.80202	33.2	0.03582	0.03	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.400	0.036
TOT						1.58		12422872.00	9270800.00						
AVG					0.0358		1.34	1892.00			2535.28				
CUM						3.03									

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

ELEM NO.	ENDING DIST mg/L	SAT D.O.	REAER RATE 1/da	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 *	SRCE **	NH3 RATE **	NH3 SRCE 1/da	DENIT PROD 1/da	PO4 PROD 1/da	ALG DECAY 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM
132	19.300	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	3.36	0.03	0.00	0.51	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00		
133	19.200	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	3.36	0.03	0.00	0.51	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00		
134	19.100	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	3.36	0.03	0.00	0.51	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00		
135	19.000	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	3.36	0.03	0.00	0.51	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00		

136	18.900	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
137	18.800	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
138	18.700	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
139	18.600	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
140	18.500	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
141	18.400	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
142	18.300	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
143	18.200	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
144	18.100	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
145	18.000	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
146	17.900	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.51	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
147	17.800	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00
148	17.700	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.13	0.00	0.00	0.00	0.00
149	17.600	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00
150	17.500	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00
151	17.400	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00
152	17.300	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.16	0.00	0.00	0.00	0.00
153	17.200	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
154	17.100	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
155	17.000	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.18	0.00	0.00	0.00	0.00
156	16.900	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.51	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
157	16.800	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.50	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
158	16.700	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.50	0.00	0.00	0.00	9.20	0.00	0.00	0.00	0.00
159	16.600	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.21	0.00	0.00	0.00	0.00
160	16.500	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
161	16.400	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
162	16.300	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.23	0.00	0.00	0.00	0.00
163	16.200	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00
164	16.100	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00
165	16.000	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00
166	15.900	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.50	0.00	0.00	0.00	9.26	0.00	0.00	0.00	0.00
167	15.800	7.22	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.49	0.00	0.00	0.00	9.27	0.00	0.00	0.00	0.00
168	15.700	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.49	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
169	15.600	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.49	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
170	15.500	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.33	3.33	3.33	0.03	0.00	0.49	0.00	0.00	0.00	9.29	0.00	0.00	0.00	0.00
171	15.400	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.49	0.00	0.00	0.00	9.30	0.00	0.00	0.00	0.00
172	15.300	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.49	0.00	0.00	0.00	9.31	0.00	0.00	0.00	0.00
173	15.200	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.49	0.00	0.00	0.00	9.31	0.00	0.00	0.00	0.00
174	15.100	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.49	0.00	0.00	0.00	9.32	0.00	0.00	0.00	0.00
175	15.000	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.33	0.00	0.00	0.00	0.00
176	14.900	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.34	0.00	0.00	0.00	0.00
177	14.800	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.34	0.00	0.00	0.00	0.00
178	14.700	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.35	0.00	0.00	0.00	0.00
179	14.600	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.48	0.00	0.00	0.00	9.36	0.00	0.00	0.00	0.00
180	14.500	7.23	0.70	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.47	0.00	0.00	0.00	9.36	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.56	0.16	0.00	0.00	0.00	0.00	0.00	1.50			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/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/m³	PHOS #/100mL	CHL A	MACRO	COLI	NCM

132	19.300	32.80	0.00	0.00	0.00	4.94	22.46	0.00	22.46	0.00	2.34	0.10	0.00	2.44	0.00	100.10	0.00	0.	0.00
133	19.200	32.79	0.00	0.00	0.00	4.98	22.82	0.00	22.82	0.00	2.35	0.10	0.00	2.45	0.00	100.20	0.00	0.	0.00
134	19.100	32.79	0.00	0.00	0.00	5.01	23.18	0.00	23.18	0.00	2.36	0.10	0.00	2.45	0.00	100.31	0.00	0.	0.00
135	19.000	32.78	0.00	0.00	0.00	5.05	23.53	0.00	23.53	0.00	2.36	0.10	0.00	2.46	0.00	100.41	0.00	0.	0.00
136	18.900	32.78	0.00	0.00	0.00	5.08	23.88	0.00	23.88	0.00	2.37	0.10	0.00	2.47	0.00	100.51	0.00	0.	0.00
137	18.800	32.78	0.00	0.00	0.00	5.11	24.23	0.00	24.23	0.00	2.37	0.10	0.00	2.47	0.00	100.61	0.00	0.	0.00
138	18.700	32.77	0.00	0.00	0.00	5.13	24.57	0.00	24.57	0.00	2.38	0.10	0.00	2.48	0.00	100.71	0.00	0.	0.00
139	18.600	32.77	0.00	0.00	0.00	5.15	24.91	0.00	24.91	0.00	2.38	0.10	0.00	2.49	0.00	100.82	0.00	0.	0.00
140	18.500	32.76	0.00	0.00	0.00	5.16	25.25	0.00	25.25	0.00	2.39	0.10	0.00	2.49	0.00	100.92	0.00	0.	0.00
141	18.400	32.76	0.00	0.00	0.00	5.18	25.58	0.00	25.58	0.00	2.40	0.10	0.00	2.50	0.00	101.02	0.00	0.	0.00
142	18.300	32.76	0.00	0.00	0.00	5.19	25.92	0.00	25.92	0.00	2.40	0.10	0.00	2.50	0.00	101.12	0.00	0.	0.00
143	18.200	32.75	0.00	0.00	0.00	5.20	26.24	0.00	26.24	0.00	2.41	0.10	0.00	2.51	0.00	101.22	0.00	0.	0.00
144	18.100	32.75	0.00	0.00	0.00	5.20	26.57	0.00	26.57	0.00	2.41	0.10	0.00	2.52	0.00	101.33	0.00	0.	0.00
145	18.000	32.74	0.00	0.00	0.00	5.20	26.89	0.00	26.89	0.00	2.42	0.10	0.00	2.52	0.00	101.43	0.00	0.	0.00
146	17.900	32.74	0.00	0.00	0.00	5.20	27.21	0.00	27.21	0.00	2.43	0.10	0.00	2.53	0.00	101.53	0.00	0.	0.00
147	17.800	32.73	0.00	0.00	0.00	5.20	27.53	0.00	27.53	0.00	2.43	0.10	0.00	2.53	0.00	101.63	0.00	0.	0.00
148	17.700	32.73	0.00	0.00	0.00	5.19	27.84	0.00	27.84	0.00	2.44	0.10	0.00	2.54	0.00	101.73	0.00	0.	0.00
149	17.600	32.73	0.00	0.00	0.00	5.19	28.15	0.00	28.15	0.00	2.44	0.10	0.00	2.55	0.00	101.84	0.00	0.	0.00
150	17.500	32.72	0.00	0.00	0.00	5.18	28.46	0.00	28.46	0.00	2.45	0.10	0.00	2.55	0.00	101.94	0.00	0.	0.00
151	17.400	32.72	0.00	0.00	0.00	5.16	28.77	0.00	28.77	0.00	2.45	0.10	0.00	2.56	0.00	102.04	0.00	0.	0.00
152	17.300	32.71	0.00	0.00	0.00	5.15	29.07	0.00	29.07	0.00	2.46	0.11	0.00	2.56	0.00	102.14	0.00	0.	0.00
153	17.200	32.71	0.00	0.00	0.00	5.13	29.37	0.00	29.37	0.00	2.47	0.11	0.00	2.57	0.00	102.24	0.00	0.	0.00
154	17.100	32.71	0.00	0.00	0.00	5.11	29.67	0.00	29.67	0.00	2.47	0.11	0.00	2.58	0.00	102.35	0.00	0.	0.00
155	17.000	32.70	0.00	0.00	0.00	5.09	29.96	0.00	29.96	0.00	2.48	0.11	0.00	2.58	0.00	102.45	0.00	0.	0.00
156	16.900	32.70	0.00	0.00	0.00	5.07	30.25	0.00	30.25	0.00	2.48	0.11	0.00	2.59	0.00	102.55	0.00	0.	0.00
157	16.800	32.69	0.00	0.00	0.00	5.05	30.54	0.00	30.54	0.00	2.49	0.11	0.00	2.60	0.00	102.65	0.00	0.	0.00
158	16.700	32.69	0.00	0.00	0.00	5.02	30.83	0.00	30.83	0.00	2.49	0.11	0.00	2.60	0.00	102.76	0.00	0.	0.00
159	16.600	32.69	0.00	0.00	0.00	4.99	31.11	0.00	31.11	0.00	2.50	0.11	0.00	2.61	0.00	102.86	0.00	0.	0.00
160	16.500	32.68	0.00	0.00	0.00	4.96	31.39	0.00	31.39	0.00	2.51	0.11	0.00	2.61	0.00	102.96	0.00	0.	0.00
161	16.400	32.68	0.00	0.00	0.00	4.93	31.67	0.00	31.67	0.00	2.51	0.11	0.00	2.62	0.00	103.06	0.00	0.	0.00
162	16.300	32.67	0.00	0.00	0.00	4.90	31.95	0.00	31.95	0.00	2.52	0.11	0.00	2.63	0.00	103.16	0.00	0.	0.00
163	16.200	32.67	0.00	0.00	0.00	4.86	32.22	0.00	32.22	0.00	2.52	0.11	0.00	2.63	0.00	103.27	0.00	0.	0.00
164	16.100	32.67	0.00	0.00	0.00	4.83	32.49	0.00	32.49	0.00	2.53	0.11	0.00	2.64	0.00	103.37	0.00	0.	0.00
165	16.000	32.66	0.00	0.00	0.00	4.79	32.76	0.00	32.76	0.00	2.53	0.11	0.00	2.64	0.00	103.47	0.00	0.	0.00
166	15.900	32.66	0.00	0.00	0.00	4.75	33.03	0.00	33.03	0.00	2.54	0.11	0.00	2.65	0.00	103.57	0.00	0.	0.00
167	15.800	32.65	0.00	0.00	0.00	4.72	33.29	0.00	33.29	0.00	2.55	0.11	0.00	2.66	0.00	103.67	0.00	0.	0.00
168	15.700	32.65	0.00	0.00	0.00	4.68	33.55	0.00	33.55	0.00	2.55	0.11	0.00	2.66	0.00	103.78	0.00	0.	0.00
169	15.600	32.64	0.00	0.00	0.00	4.63	33.81	0.00	33.81	0.00	2.56	0.11	0.00	2.67	0.00	103.88	0.00	0.	0.00
170	15.500	32.64	0.00	0.00	0.00	4.59	34.07	0.00	34.07	0.00	2.56	0.11	0.00	2.67	0.00	103.98	0.00	0.	0.00
171	15.400	32.64	0.00	0.00	0.00	4.55	34.33	0.00	34.33	0.00	2.57	0.11	0.00	2.68	0.00	104.08	0.00	0.	0.00
172	15.300	32.63	0.00	0.00	0.00	4.50	34.58	0.00	34.58	0.00	2.57	0.11	0.00	2.69	0.00	104.18	0.00	0.	0.00
173	15.200	32.63	0.00	0.00	0.00	4.46	34.83	0.00	34.83	0.00	2.58	0.11	0.00	2.69	0.00	104.29	0.00	0.	0.00
174	15.100	32.62	0.00	0.00	0.00	4.41	35.08	0.00	35.08	0.00	2.59	0.11	0.00	2.70	0.00	104.39	0.00	0.	0.00
175	15.000	32.62	0.00	0.00	0.00	4.36	35.32	0.00	35.32	0.00	2.59	0.11	0.00	2.70	0.00	104.49	0.00	0.	0.00
176	14.900	32.62	0.00	0.00	0.00	4.32	35.57	0.00	35.57	0.00	2.60	0.11	0.00	2.71	0.00	104.59	0.00	0.	0.00
177	14.800	32.61	0.00	0.00	0.00	4.27	35.81	0.00	35.81	0.00	2.60	0.11	0.00	2.72	0.00	104.69	0.00	0.	0.00
178	14.700	32.61	0.00	0.00	0.00	4.22	36.05	0.00	36.05	0.00	2.61	0.11	0.00	2.72	0.00	104.80	0.00	0.	0.00
179	14.600	32.60	0.00	0.00	0.00	4.16	36.26	0.00	36.26	0.00	2.61	0.11	0.00	2.73	0.00	104.90	0.00	0.	0.00
180	14.500	32.60	0.00	0.00	0.00	4.09	36.31	0.00	36.31	0.00	2.62	0.12	0.00	2.73	0.00	105.00	0.00	0.	0.00

REACH NO. 6 Lake Verret 2 Calibration Simulation for Lake Verret and Grassy Lake 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
181	UPR RCH	90.80202	32.60	0.00	0.00	0.00	4.09	36.31	0.00	36.31	0.00	2.62	0.12	0.00	0.00	105.00	0.00	0.00
208	WSTLD	0.00125	0.00	0.00	0.00	0.00	5.00	46.00	0.00	46.00	0.00	2.00	1.50	2.00	0.00	0.00	0.00	0.00
264	WSTLD	0.00922	0.00	0.00	0.00	0.00	5.00	27.20	0.00	27.20	0.00	2.00	5.72	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TIME days	TRAVEL m	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN
181	14.50	14.40	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
182	14.40	14.30	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
183	14.30	14.20	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
184	14.20	14.10	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
185	14.10	14.00	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
186	14.00	13.90	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
187	13.90	13.80	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
188	13.80	13.70	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
189	13.70	13.60	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
190	13.60	13.50	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
191	13.50	13.40	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
192	13.40	13.30	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
193	13.30	13.20	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
194	13.20	13.10	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
195	13.10	13.00	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
196	13.00	12.90	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
197	12.90	12.80	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
198	12.80	12.70	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
199	12.70	12.60	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
200	12.60	12.50	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
201	12.50	12.40	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
202	12.40	12.30	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
203	12.30	12.20	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
204	12.20	12.10	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
205	12.10	12.00	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
206	12.00	11.90	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
207	11.90	11.80	90.80202	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
208	11.80	11.70	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
209	11.70	11.60	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
210	11.60	11.50	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
211	11.50	11.40	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
212	11.40	11.30	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
213	11.30	11.20	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
214	11.20	11.10	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
215	11.10	11.00	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
216	11.00	10.90	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
217	10.90	10.80	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
218	10.80	10.70	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		
219	10.70	10.60	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010		

220	10.60	10.50	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
221	10.50	10.40	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
222	10.40	10.30	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
223	10.30	10.20	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
224	10.20	10.10	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
225	10.10	10.00	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
226	10.00	9.90	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
227	9.90	9.80	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
228	9.80	9.70	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
229	9.70	9.60	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
230	9.60	9.50	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
231	9.50	9.40	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
232	9.40	9.30	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
233	9.30	9.20	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
234	9.20	9.10	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
235	9.10	9.00	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
236	9.00	8.90	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
237	8.90	8.80	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
238	8.80	8.70	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
239	8.70	8.60	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
240	8.60	8.50	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
241	8.50	8.40	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
242	8.40	8.30	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
243	8.30	8.20	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
244	8.20	8.10	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
245	8.10	8.00	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
246	8.00	7.90	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
247	7.90	7.80	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
248	7.80	7.70	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
249	7.70	7.60	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
250	7.60	7.50	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
251	7.50	7.40	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
252	7.40	7.30	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
253	7.30	7.20	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
254	7.20	7.10	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
255	7.10	7.00	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
256	7.00	6.90	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
257	6.90	6.80	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
258	6.80	6.70	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
259	6.70	6.60	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
260	6.60	6.50	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
261	6.50	6.40	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
262	6.40	6.30	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
263	6.30	6.20	90.80327	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
264	6.20	6.10	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
265	6.10	6.00	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
266	6.00	5.90	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
267	5.90	5.80	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
268	5.80	5.70	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
269	5.70	5.60	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010

270	5.60	5.50	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
271	5.50	5.40	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
272	5.40	5.30	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
273	5.30	5.20	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
274	5.20	5.10	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
275	5.10	5.00	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
276	5.00	4.90	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
277	4.90	4.80	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
278	4.80	4.70	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
279	4.70	4.60	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
280	4.60	4.50	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
281	4.50	4.40	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
282	4.40	4.30	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
283	4.30	4.20	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
284	4.20	4.10	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
285	4.10	4.00	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
286	4.00	3.90	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
287	3.90	3.80	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
288	3.80	3.70	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
289	3.70	3.60	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
290	3.60	3.50	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
291	3.50	3.40	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
292	3.40	3.30	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
293	3.30	3.20	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
294	3.20	3.10	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
295	3.10	3.00	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
296	3.00	2.90	90.81248	33.2	0.01042	0.11	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.400	0.010
TOT					12.89			**********47467200.00							
AVG					0.0104		2.13	4092.00			8715.95				
CUM					15.92										

********** 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	
181	14.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.47	0.00	0.00	0.00	9.32	0.00	0.00	0.00	0.00
182	14.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.47	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
183	14.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00
184	14.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
185	14.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00
186	13.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
187	13.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
188	13.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
189	13.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.32	3.32	3.32	0.03	0.00	0.46	0.00	0.00	0.00	8.98	0.00	0.00	0.00	0.00
190	13.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.94	0.00	0.00	0.00	0.00
191	13.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.90	0.00	0.00	0.00	0.00
192	13.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.85	0.00	0.00	0.00	0.00
193	13.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.81	0.00	0.00	0.00	0.00
194	13.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.77	0.00	0.00	0.00	0.00
195	13.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.46	0.00	0.00	0.00	8.73	0.00	0.00	0.00	0.00
196	12.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00

197	12.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.64	0.00	0.00	0.00	0.00
198	12.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.60	0.00	0.00	0.00	0.00
199	12.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.55	0.00	0.00	0.00	0.00
200	12.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.51	0.00	0.00	0.00	0.00
201	12.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.47	0.00	0.00	0.00	0.00
202	12.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.43	0.00	0.00	0.00	0.00
203	12.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.38	0.00	0.00	0.00	0.00
204	12.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.34	0.00	0.00	0.00	0.00
205	12.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.30	0.00	0.00	0.00	0.00
206	11.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.26	0.00	0.00	0.00	0.00
207	11.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.21	0.00	0.00	0.00	0.00
208	11.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.17	0.00	0.00	0.00	0.00
209	11.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.13	0.00	0.00	0.00	0.00
210	11.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.09	0.00	0.00	0.00	0.00
211	11.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.04	0.00	0.00	0.00	0.00
212	11.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
213	11.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	7.96	0.00	0.00	0.00	0.00
214	11.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
215	11.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.87	0.00	0.00	0.00	0.00
216	10.900	7.23	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.83	0.00	0.00	0.00	0.00
217	10.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.79	0.00	0.00	0.00	0.00
218	10.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00
219	10.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.70	0.00	0.00	0.00	0.00
220	10.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	7.66	0.00	0.00	0.00	0.00
221	10.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.62	0.00	0.00	0.00	0.00
222	10.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.58	0.00	0.00	0.00	0.00
223	10.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00
224	10.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.49	0.00	0.00	0.00	0.00
225	10.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00
226	9.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.41	0.00	0.00	0.00	0.00
227	9.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.36	0.00	0.00	0.00	0.00
228	9.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.32	0.00	0.00	0.00	0.00
229	9.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.28	0.00	0.00	0.00	0.00
230	9.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	7.24	0.00	0.00	0.00	0.00
231	9.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.19	0.00	0.00	0.00	0.00
232	9.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.15	0.00	0.00	0.00	0.00
233	9.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.11	0.00	0.00	0.00	0.00
234	9.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.07	0.00	0.00	0.00	0.00
235	9.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	7.02	0.00	0.00	0.00	0.00
236	8.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.98	0.00	0.00	0.00	0.00
237	8.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.94	0.00	0.00	0.00	0.00
238	8.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.90	0.00	0.00	0.00	0.00
239	8.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.85	0.00	0.00	0.00	0.00
240	8.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.81	0.00	0.00	0.00	0.00
241	8.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.77	0.00	0.00	0.00	0.00
242	8.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00
243	8.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.68	0.00	0.00	0.00	0.00
244	8.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	6.64	0.00	0.00	0.00	0.00
245	8.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00
246	7.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.56	0.00	0.00	0.00	0.00

247	7.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.51	0.00	0.00	0.00	0.00
248	7.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.47	0.00	0.00	0.00	0.00
249	7.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.43	0.00	0.00	0.00	0.00
250	7.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.39	0.00	0.00	0.00	0.00
251	7.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.34	0.00	0.00	0.00	0.00
252	7.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.30	0.00	0.00	0.00	0.00
253	7.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.26	0.00	0.00	0.00	0.00
254	7.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.22	0.00	0.00	0.00	0.00
255	7.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.17	0.00	0.00	0.00	0.00
256	6.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.13	0.00	0.00	0.00	0.00
257	6.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.09	0.00	0.00	0.00	0.00
258	6.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.05	0.00	0.00	0.00	0.00
259	6.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	6.01	0.00	0.00	0.00	0.00
260	6.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.96	0.00	0.00	0.00	0.00
261	6.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.92	0.00	0.00	0.00	0.00
262	6.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00
263	6.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.84	0.00	0.00	0.00	0.00
264	6.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.79	0.00	0.00	0.00	0.00
265	6.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.75	0.00	0.00	0.00	0.00
266	5.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.71	0.00	0.00	0.00	0.00
267	5.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.67	0.00	0.00	0.00	0.00
268	5.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.62	0.00	0.00	0.00	0.00
269	5.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.58	0.00	0.00	0.00	0.00
270	5.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.54	0.00	0.00	0.00	0.00
271	5.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.50	0.00	0.00	0.00	0.00
272	5.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.45	0.00	0.00	0.00	0.00
273	5.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.41	0.00	0.00	0.00	0.00
274	5.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.37	0.00	0.00	0.00	0.00
275	5.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.33	0.00	0.00	0.00	0.00
276	4.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.28	0.00	0.00	0.00	0.00
277	4.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.24	0.00	0.00	0.00	0.00
278	4.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.20	0.00	0.00	0.00	0.00
279	4.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00
280	4.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00
281	4.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.07	0.00	0.00	0.00	0.00
282	4.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.03	0.00	0.00	0.00	0.00
283	4.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.99	0.00	0.00	0.00	0.00
284	4.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00
285	4.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.90	0.00	0.00	0.00	0.00
286	3.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
287	3.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.82	0.00	0.00	0.00	0.00
288	3.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.78	0.00	0.00	0.00	0.00
289	3.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00
290	3.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.69	0.00	0.00	0.00	0.00
291	3.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00
292	3.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.61	0.00	0.00	0.00	0.00
293	3.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00
294	3.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.52	0.00	0.00	0.00	0.00
295	3.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00
296	2.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.35 0.16 0.00 0.00 0.00 0.00 0.00 1.50 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
181	14.400	32.60	0.00	0.00	0.00	3.96	35.56	0.00	35.56	0.00	2.61	0.12	0.00	2.73	0.00	104.53	0.00	0.	0.00
182	14.300	32.60	0.00	0.00	0.00	3.85	34.90	0.00	34.90	0.00	2.60	0.12	0.00	2.72	0.00	104.05	0.00	0.	0.00
183	14.200	32.60	0.00	0.00	0.00	3.77	34.26	0.00	34.26	0.00	2.59	0.12	0.00	2.71	0.00	103.58	0.00	0.	0.00
184	14.100	32.60	0.00	0.00	0.00	3.71	33.64	0.00	33.64	0.00	2.59	0.12	0.00	2.71	0.00	103.10	0.00	0.	0.00
185	14.000	32.60	0.00	0.00	0.00	3.66	33.04	0.00	33.04	0.00	2.58	0.12	0.00	2.70	0.00	102.63	0.00	0.	0.00
186	13.900	32.59	0.00	0.00	0.00	3.62	32.45	0.00	32.45	0.00	2.57	0.12	0.00	2.69	0.00	102.16	0.00	0.	0.00
187	13.800	32.59	0.00	0.00	0.00	3.60	31.89	0.00	31.89	0.00	2.56	0.12	0.00	2.69	0.00	101.68	0.00	0.	0.00
188	13.700	32.59	0.00	0.00	0.00	3.59	31.34	0.00	31.34	0.00	2.56	0.12	0.00	2.68	0.00	101.21	0.00	0.	0.00
189	13.600	32.59	0.00	0.00	0.00	3.60	30.81	0.00	30.81	0.00	2.55	0.13	0.00	2.68	0.00	100.73	0.00	0.	0.00
190	13.500	32.59	0.00	0.00	0.00	3.61	30.30	0.00	30.30	0.00	2.54	0.13	0.00	2.67	0.00	100.26	0.00	0.	0.00
191	13.400	32.59	0.00	0.00	0.00	3.63	29.80	0.00	29.80	0.00	2.54	0.13	0.00	2.66	0.00	99.78	0.00	0.	0.00
192	13.300	32.59	0.00	0.00	0.00	3.67	29.31	0.00	29.31	0.00	2.53	0.13	0.00	2.66	0.00	99.31	0.00	0.	0.00
193	13.200	32.59	0.00	0.00	0.00	3.71	28.85	0.00	28.85	0.00	2.52	0.13	0.00	2.65	0.00	98.84	0.00	0.	0.00
194	13.100	32.59	0.00	0.00	0.00	3.75	28.39	0.00	28.39	0.00	2.51	0.13	0.00	2.64	0.00	98.36	0.00	0.	0.00
195	13.000	32.59	0.00	0.00	0.00	3.81	27.95	0.00	27.95	0.00	2.51	0.13	0.00	2.64	0.00	97.89	0.00	0.	0.00
196	12.900	32.59	0.00	0.00	0.00	3.86	27.52	0.00	27.52	0.00	2.50	0.13	0.00	2.63	0.00	97.41	0.00	0.	0.00
197	12.800	32.59	0.00	0.00	0.00	3.93	27.11	0.00	27.11	0.00	2.49	0.13	0.00	2.62	0.00	96.94	0.00	0.	0.00
198	12.700	32.58	0.00	0.00	0.00	3.99	26.71	0.00	26.71	0.00	2.49	0.13	0.00	2.62	0.00	96.47	0.00	0.	0.00
199	12.600	32.58	0.00	0.00	0.00	4.06	26.32	0.00	26.32	0.00	2.48	0.13	0.00	2.61	0.00	95.99	0.00	0.	0.00
200	12.500	32.58	0.00	0.00	0.00	4.14	25.94	0.00	25.94	0.00	2.47	0.13	0.00	2.60	0.00	95.52	0.00	0.	0.00
201	12.400	32.58	0.00	0.00	0.00	4.22	25.57	0.00	25.57	0.00	2.47	0.13	0.00	2.60	0.00	95.04	0.00	0.	0.00
202	12.300	32.58	0.00	0.00	0.00	4.30	25.22	0.00	25.22	0.00	2.46	0.13	0.00	2.59	0.00	94.57	0.00	0.	0.00
203	12.200	32.58	0.00	0.00	0.00	4.38	24.87	0.00	24.87	0.00	2.45	0.13	0.00	2.58	0.00	94.09	0.00	0.	0.00
204	12.100	32.58	0.00	0.00	0.00	4.46	24.54	0.00	24.54	0.00	2.44	0.13	0.00	2.57	0.00	93.62	0.00	0.	0.00
205	12.000	32.58	0.00	0.00	0.00	4.55	24.21	0.00	24.21	0.00	2.44	0.13	0.00	2.57	0.00	93.15	0.00	0.	0.00
206	11.900	32.58	0.00	0.00	0.00	4.63	23.90	0.00	23.90	0.00	2.43	0.13	0.00	2.56	0.00	92.67	0.00	0.	0.00
207	11.800	32.58	0.00	0.00	0.00	4.72	23.60	0.00	23.60	0.00	2.42	0.13	0.00	2.55	0.00	92.20	0.00	0.	0.00
208	11.700	32.58	0.00	0.00	0.00	4.80	23.30	0.00	23.30	0.00	2.42	0.13	0.00	2.55	0.00	91.72	0.00	0.	0.00
209	11.600	32.58	0.00	0.00	0.00	4.89	23.02	0.00	23.02	0.00	2.41	0.13	0.00	2.54	0.00	91.25	0.00	0.	0.00
210	11.500	32.57	0.00	0.00	0.00	4.97	22.74	0.00	22.74	0.00	2.40	0.13	0.00	2.53	0.00	90.78	0.00	0.	0.00
211	11.400	32.57	0.00	0.00	0.00	5.06	22.47	0.00	22.47	0.00	2.40	0.13	0.00	2.53	0.00	90.30	0.00	0.	0.00
212	11.300	32.57	0.00	0.00	0.00	5.14	22.21	0.00	22.21	0.00	2.39	0.13	0.00	2.52	0.00	89.83	0.00	0.	0.00
213	11.200	32.57	0.00	0.00	0.00	5.23	21.96	0.00	21.96	0.00	2.38	0.13	0.00	2.51	0.00	89.35	0.00	0.	0.00
214	11.100	32.57	0.00	0.00	0.00	5.31	21.71	0.00	21.71	0.00	2.38	0.13	0.00	2.50	0.00	88.88	0.00	0.	0.00
215	11.000	32.57	0.00	0.00	0.00	5.39	21.47	0.00	21.47	0.00	2.37	0.13	0.00	2.50	0.00	88.41	0.00	0.	0.00
216	10.900	32.57	0.00	0.00	0.00	5.47	21.24	0.00	21.24	0.00	2.36	0.13	0.00	2.49	0.00	87.93	0.00	0.	0.00
217	10.800	32.57	0.00	0.00	0.00	5.55	21.02	0.00	21.02	0.00	2.36	0.13	0.00	2.48	0.00	87.46	0.00	0.	0.00
218	10.700	32.57	0.00	0.00	0.00	5.63	20.80	0.00	20.80	0.00	2.35	0.13	0.00	2.48	0.00	86.98	0.00	0.	0.00
219	10.600	32.57	0.00	0.00	0.00	5.70	20.59	0.00	20.59	0.00	2.34	0.13	0.00	2.47	0.00	86.51	0.00	0.	0.00
220	10.500	32.57	0.00	0.00	0.00	5.77	20.39	0.00	20.39	0.00	2.34	0.12	0.00	2.46	0.00	86.03	0.00	0.	0.00
221	10.400	32.56	0.00	0.00	0.00	5.84	20.19	0.00	20.19	0.00	2.33	0.12	0.00	2.45	0.00	85.56	0.00	0.	0.00
222	10.300	32.56	0.00	0.00	0.00	5.91	20.00	0.00	20.00	0.00	2.32	0.12	0.00	2.45	0.00	85.09	0.00	0.	0.00
223	10.200	32.56	0.00	0.00	0.00	5.98	19.82	0.00	19.82	0.00	2.32	0.12	0.00	2.44	0.00	84.61	0.00	0.	0.00
224	10.100	32.56	0.00	0.00	0.00	6.05	19.64	0.00	19.64	0.00	2.31	0.12	0.00	2.43	0.00	84.14	0.00	0.	0.00
225	10.000	32.56	0.00	0.00	0.00	6.11	19.46	0.00	19.46	0.00	2.30	0.12	0.00	2.43	0.00	83.66	0.00	0.	0.00

226	9.900	32.56	0.00	0.00	0.00	6.17	19.29	0.00	19.29	0.00	2.30	0.12	0.00	2.42	0.00	83.19	0.00	0. 0.00
227	9.800	32.56	0.00	0.00	0.00	6.23	19.13	0.00	19.13	0.00	2.29	0.12	0.00	2.41	0.00	82.72	0.00	0. 0.00
228	9.700	32.56	0.00	0.00	0.00	6.28	18.97	0.00	18.97	0.00	2.28	0.12	0.00	2.41	0.00	82.24	0.00	0. 0.00
229	9.600	32.56	0.00	0.00	0.00	6.34	18.82	0.00	18.82	0.00	2.28	0.12	0.00	2.40	0.00	81.77	0.00	0. 0.00
230	9.500	32.56	0.00	0.00	0.00	6.39	18.67	0.00	18.67	0.00	2.27	0.12	0.00	2.39	0.00	81.29	0.00	0. 0.00
231	9.400	32.56	0.00	0.00	0.00	6.44	18.52	0.00	18.52	0.00	2.27	0.12	0.00	2.38	0.00	80.82	0.00	0. 0.00
232	9.300	32.56	0.00	0.00	0.00	6.48	18.38	0.00	18.38	0.00	2.26	0.12	0.00	2.38	0.00	80.34	0.00	0. 0.00
233	9.200	32.55	0.00	0.00	0.00	6.53	18.24	0.00	18.24	0.00	2.25	0.12	0.00	2.37	0.00	79.87	0.00	0. 0.00
234	9.100	32.55	0.00	0.00	0.00	6.57	18.11	0.00	18.11	0.00	2.25	0.12	0.00	2.36	0.00	79.40	0.00	0. 0.00
235	9.000	32.55	0.00	0.00	0.00	6.61	17.98	0.00	17.98	0.00	2.24	0.12	0.00	2.36	0.00	78.92	0.00	0. 0.00
236	8.900	32.55	0.00	0.00	0.00	6.64	17.86	0.00	17.86	0.00	2.23	0.12	0.00	2.35	0.00	78.45	0.00	0. 0.00
237	8.800	32.55	0.00	0.00	0.00	6.68	17.74	0.00	17.74	0.00	2.23	0.12	0.00	2.34	0.00	77.97	0.00	0. 0.00
238	8.700	32.55	0.00	0.00	0.00	6.71	17.62	0.00	17.62	0.00	2.22	0.12	0.00	2.34	0.00	77.50	0.00	0. 0.00
239	8.600	32.55	0.00	0.00	0.00	6.74	17.51	0.00	17.51	0.00	2.21	0.12	0.00	2.33	0.00	77.03	0.00	0. 0.00
240	8.500	32.55	0.00	0.00	0.00	6.77	17.40	0.00	17.40	0.00	2.21	0.11	0.00	2.32	0.00	76.55	0.00	0. 0.00
241	8.400	32.55	0.00	0.00	0.00	6.79	17.29	0.00	17.29	0.00	2.20	0.11	0.00	2.32	0.00	76.08	0.00	0. 0.00
242	8.300	32.55	0.00	0.00	0.00	6.81	17.19	0.00	17.19	0.00	2.20	0.11	0.00	2.31	0.00	75.60	0.00	0. 0.00
243	8.200	32.55	0.00	0.00	0.00	6.83	17.09	0.00	17.09	0.00	2.19	0.11	0.00	2.30	0.00	75.13	0.00	0. 0.00
244	8.100	32.54	0.00	0.00	0.00	6.85	16.99	0.00	16.99	0.00	2.18	0.11	0.00	2.30	0.00	74.66	0.00	0. 0.00
245	8.000	32.54	0.00	0.00	0.00	6.86	16.90	0.00	16.90	0.00	2.18	0.11	0.00	2.29	0.00	74.18	0.00	0. 0.00
246	7.900	32.54	0.00	0.00	0.00	6.88	16.81	0.00	16.81	0.00	2.17	0.11	0.00	2.28	0.00	73.71	0.00	0. 0.00
247	7.800	32.54	0.00	0.00	0.00	6.89	16.72	0.00	16.72	0.00	2.17	0.11	0.00	2.28	0.00	73.23	0.00	0. 0.00
248	7.700	32.54	0.00	0.00	0.00	6.90	16.64	0.00	16.64	0.00	2.16	0.11	0.00	2.27	0.00	72.76	0.00	0. 0.00
249	7.600	32.54	0.00	0.00	0.00	6.90	16.55	0.00	16.55	0.00	2.15	0.11	0.00	2.26	0.00	72.28	0.00	0. 0.00
250	7.500	32.54	0.00	0.00	0.00	6.91	16.47	0.00	16.47	0.00	2.15	0.11	0.00	2.26	0.00	71.81	0.00	0. 0.00
251	7.400	32.54	0.00	0.00	0.00	6.91	16.40	0.00	16.40	0.00	2.14	0.11	0.00	2.25	0.00	71.34	0.00	0. 0.00
252	7.300	32.54	0.00	0.00	0.00	6.91	16.32	0.00	16.32	0.00	2.14	0.11	0.00	2.24	0.00	70.86	0.00	0. 0.00
253	7.200	32.54	0.00	0.00	0.00	6.90	16.25	0.00	16.25	0.00	2.13	0.11	0.00	2.24	0.00	70.39	0.00	0. 0.00
254	7.100	32.54	0.00	0.00	0.00	6.90	16.18	0.00	16.18	0.00	2.12	0.11	0.00	2.23	0.00	69.91	0.00	0. 0.00
255	7.000	32.54	0.00	0.00	0.00	6.89	16.11	0.00	16.11	0.00	2.12	0.11	0.00	2.23	0.00	69.44	0.00	0. 0.00
256	6.900	32.53	0.00	0.00	0.00	6.88	16.04	0.00	16.04	0.00	2.11	0.11	0.00	2.22	0.00	68.97	0.00	0. 0.00
257	6.800	32.53	0.00	0.00	0.00	6.87	15.98	0.00	15.98	0.00	2.11	0.11	0.00	2.21	0.00	68.49	0.00	0. 0.00
258	6.700	32.53	0.00	0.00	0.00	6.86	15.91	0.00	15.91	0.00	2.10	0.11	0.00	2.21	0.00	68.02	0.00	0. 0.00
259	6.600	32.53	0.00	0.00	0.00	6.84	15.85	0.00	15.85	0.00	2.09	0.11	0.00	2.20	0.00	67.54	0.00	0. 0.00
260	6.500	32.53	0.00	0.00	0.00	6.83	15.79	0.00	15.79	0.00	2.09	0.11	0.00	2.19	0.00	67.07	0.00	0. 0.00
261	6.400	32.53	0.00	0.00	0.00	6.81	15.74	0.00	15.74	0.00	2.08	0.11	0.00	2.19	0.00	66.59	0.00	0. 0.00
262	6.300	32.53	0.00	0.00	0.00	6.79	15.68	0.00	15.68	0.00	2.08	0.11	0.00	2.18	0.00	66.12	0.00	0. 0.00
263	6.200	32.53	0.00	0.00	0.00	6.77	15.63	0.00	15.63	0.00	2.07	0.11	0.00	2.18	0.00	65.65	0.00	0. 0.00
264	6.100	32.53	0.00	0.00	0.00	6.74	15.58	0.00	15.58	0.00	2.06	0.11	0.00	2.17	0.00	65.17	0.00	0. 0.00
265	6.000	32.53	0.00	0.00	0.00	6.72	15.53	0.00	15.53	0.00	2.06	0.11	0.00	2.16	0.00	64.70	0.00	0. 0.00
266	5.900	32.53	0.00	0.00	0.00	6.69	15.48	0.00	15.48	0.00	2.05	0.11	0.00	2.16	0.00	64.22	0.00	0. 0.00
267	5.800	32.53	0.00	0.00	0.00	6.66	15.43	0.00	15.43	0.00	2.05	0.10	0.00	2.15	0.00	63.75	0.00	0. 0.00
268	5.700	32.52	0.00	0.00	0.00	6.63	15.38	0.00	15.38	0.00	2.04	0.10	0.00	2.15	0.00	63.28	0.00	0. 0.00
269	5.600	32.52	0.00	0.00	0.00	6.60	15.34	0.00	15.34	0.00	2.04	0.10	0.00	2.14	0.00	62.80	0.00	0. 0.00
270	5.500	32.52	0.00	0.00	0.00	6.56	15.30	0.00	15.30	0.00	2.03	0.10	0.00	2.13	0.00	62.33	0.00	0. 0.00
271	5.400	32.52	0.00	0.00	0.00	6.53	15.25	0.00	15.25	0.00	2.02	0.10	0.00	2.13	0.00	61.85	0.00	0. 0.00
272	5.300	32.52	0.00	0.00	0.00	6.49	15.21	0.00	15.21	0.00	2.02	0.10	0.00	2.12	0.00	61.38	0.00	0. 0.00
273	5.200	32.52	0.00	0.00	0.00	6.45	15.17	0.00	15.17	0.00	2.01	0.10	0.00	2.12	0.00	60.91	0.00	0. 0.00
274	5.100	32.52	0.00	0.00	0.00	6.41	15.14	0.00	15.14	0.00	2.01	0.10	0.00	2.11	0.00	60.43	0.00	0. 0.00
275	5.000	32.52	0.00	0.00	0.00	6.37	15.10	0.00	15.10	0.00	2.00	0.10	0.00	2.10	0.00	59.96	0.00	0. 0.00

276	4.900	32.52	0.00	0.00	0.00	6.33	15.06	0.00	15.06	0.00	2.00	0.10	0.00	2.10	0.00	59.48	0.00	0.	0.00
277	4.800	32.52	0.00	0.00	0.00	6.29	15.03	0.00	15.03	0.00	1.99	0.10	0.00	2.09	0.00	59.01	0.00	0.	0.00
278	4.700	32.52	0.00	0.00	0.00	6.24	14.99	0.00	14.99	0.00	1.98	0.10	0.00	2.09	0.00	58.53	0.00	0.	0.00
279	4.600	32.51	0.00	0.00	0.00	6.20	14.96	0.00	14.96	0.00	1.98	0.10	0.00	2.08	0.00	58.06	0.00	0.	0.00
280	4.500	32.51	0.00	0.00	0.00	6.15	14.93	0.00	14.93	0.00	1.97	0.10	0.00	2.07	0.00	57.59	0.00	0.	0.00
281	4.400	32.51	0.00	0.00	0.00	6.10	14.90	0.00	14.90	0.00	1.97	0.10	0.00	2.07	0.00	57.11	0.00	0.	0.00
282	4.300	32.51	0.00	0.00	0.00	6.05	14.87	0.00	14.87	0.00	1.96	0.10	0.00	2.06	0.00	56.64	0.00	0.	0.00
283	4.200	32.51	0.00	0.00	0.00	6.00	14.84	0.00	14.84	0.00	1.96	0.10	0.00	2.06	0.00	56.16	0.00	0.	0.00
284	4.100	32.51	0.00	0.00	0.00	5.95	14.81	0.00	14.81	0.00	1.95	0.10	0.00	2.05	0.00	55.69	0.00	0.	0.00
285	4.000	32.51	0.00	0.00	0.00	5.89	14.79	0.00	14.79	0.00	1.95	0.10	0.00	2.05	0.00	55.22	0.00	0.	0.00
286	3.900	32.51	0.00	0.00	0.00	5.84	14.76	0.00	14.76	0.00	1.94	0.10	0.00	2.04	0.00	54.74	0.00	0.	0.00
287	3.800	32.51	0.00	0.00	0.00	5.79	14.73	0.00	14.73	0.00	1.93	0.10	0.00	2.03	0.00	54.27	0.00	0.	0.00
288	3.700	32.51	0.00	0.00	0.00	5.73	14.71	0.00	14.71	0.00	1.93	0.10	0.00	2.03	0.00	53.79	0.00	0.	0.00
289	3.600	32.51	0.00	0.00	0.00	5.67	14.69	0.00	14.69	0.00	1.92	0.10	0.00	2.02	0.00	53.32	0.00	0.	0.00
290	3.500	32.51	0.00	0.00	0.00	5.61	14.66	0.00	14.66	0.00	1.92	0.10	0.00	2.02	0.00	52.84	0.00	0.	0.00
291	3.400	32.50	0.00	0.00	0.00	5.55	14.64	0.00	14.64	0.00	1.91	0.10	0.00	2.01	0.00	52.37	0.00	0.	0.00
292	3.300	32.50	0.00	0.00	0.00	5.49	14.62	0.00	14.62	0.00	1.91	0.10	0.00	2.01	0.00	51.90	0.00	0.	0.00
293	3.200	32.50	0.00	0.00	0.00	5.43	14.60	0.00	14.60	0.00	1.90	0.10	0.00	2.00	0.00	51.42	0.00	0.	0.00
294	3.100	32.50	0.00	0.00	0.00	5.37	14.58	0.00	14.58	0.00	1.90	0.10	0.00	2.00	0.00	50.95	0.00	0.	0.00
295	3.000	32.50	0.00	0.00	0.00	5.31	14.56	0.00	14.56	0.00	1.89	0.10	0.00	1.99	0.00	50.47	0.00	0.	0.00
296	2.900	32.50	0.00	0.00	0.00	5.27	14.53	0.00	14.53	0.00	1.89	0.10	0.00	1.99	0.00	50.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 7 Lake Verret 3 Calibration Simulation for Lake Verret and Grassy Lake 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
297	UPR RCH	90.81248	32.50	0.00	0.00	0.00	5.27	14.53	0.00	14.53	0.00	1.89	0.10	0.00	0.00	50.00	0.00	0.00
319	WSTLD	0.00008	0.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	2.00	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 m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	TIDAL PRISM m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN VELO m/s
297	2.90	2.80	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
298	2.80	2.70	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
299	2.70	2.60	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
300	2.60	2.50	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
301	2.50	2.40	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
302	2.40	2.30	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
303	2.30	2.20	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
304	2.20	2.10	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
305	2.10	2.00	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
306	2.00	1.90	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
307	1.90	1.80	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
308	1.80	1.70	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
309	1.70	1.60	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
310	1.60	1.50	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
311	1.50	1.40	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
312	1.40	1.30	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
313	1.30	1.20	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
314	1.20	1.10	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061

315	1.10	1.00	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
316	1.00	0.90	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
317	0.90	0.80	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
318	0.80	0.70	90.81248	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
319	0.70	0.60	90.81256	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
320	0.60	0.50	90.81256	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
321	0.50	0.40	90.81256	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
322	0.40	0.30	90.81256	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
323	0.30	0.20	90.81256	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
324	0.20	0.10	90.81256	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
325	0.10	0.00	90.81256	33.2	0.06072	0.02	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.500	0.061
TOT					0.55			4337385.00	2224300.00						
AVG					0.0607		1.95	767.00			1495.65				
CUM					16.47										

********** 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	
297	2.800	7.25	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.03	0.00	0.50	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00
298	2.700	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.03	0.00	0.50	0.00	0.00	0.00	4.12	0.00	0.00	0.00	0.00
299	2.600	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00
300	2.500	7.27	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.81	0.00	0.00	0.00	0.00
301	2.400	7.28	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.51	1.51	1.51	0.03	0.00	0.49	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00
302	2.300	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.50	0.00	0.00	0.00	0.00
303	2.200	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.35	0.00	0.00	0.00	0.00
304	2.100	7.30	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.48	0.00	0.00	0.00	3.19	0.00	0.00	0.00	0.00
305	2.000	7.31	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.48	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
306	1.900	7.32	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.47	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
307	1.800	7.32	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.47	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
308	1.700	7.33	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	1.47	0.03	0.00	0.47	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
309	1.600	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	1.47	0.03	0.00	0.46	0.00	0.00	0.00	2.44	0.00	0.00	0.00	0.00
310	1.500	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	1.46	0.03	0.00	0.46	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00
311	1.400	7.35	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	1.46	0.03	0.00	0.46	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
312	1.300	7.36	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.45	1.45	1.45	0.03	0.00	0.45	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
313	1.200	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	1.44	0.03	0.00	0.45	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
314	1.100	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	1.44	0.03	0.00	0.45	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
315	1.000	7.38	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.03	0.00	0.44	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00
316	0.900	7.39	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.03	0.00	0.44	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
317	0.800	7.40	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.42	1.42	1.42	0.03	0.00	0.44	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
318	0.700	7.40	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.42	1.42	1.42	0.02	0.00	0.43	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
319	0.600	7.41	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.02	0.00	0.43	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
320	0.500	7.42	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.02	0.00	0.43	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00
321	0.400	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.02	0.00	0.42	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00
322	0.300	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.02	0.00	0.42	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
323	0.200	7.44	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.02	0.00	0.42	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00
324	0.100	7.45	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.02	0.00	0.41	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
325	0.000	7.46	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.02	0.00	0.41	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.38	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/m²/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/m³	PHOS #/100mL	CHL A	MACRO	COLI	NCM
297	2.800	32.44	0.00	0.00	0.00	5.25	14.49	0.00	14.49	0.00	1.89	0.10	0.00	1.99	0.00	48.34	0.00	0.	0.00
298	2.700	32.38	0.00	0.00	0.00	5.23	14.43	0.00	14.43	0.00	1.89	0.10	0.00	1.99	0.00	46.69	0.00	0.	0.00
299	2.600	32.32	0.00	0.00	0.00	5.21	14.38	0.00	14.38	0.00	1.89	0.10	0.00	1.98	0.00	45.03	0.00	0.	0.00
300	2.500	32.27	0.00	0.00	0.00	5.19	14.33	0.00	14.33	0.00	1.88	0.10	0.00	1.98	0.00	43.38	0.00	0.	0.00
301	2.400	32.21	0.00	0.00	0.00	5.16	14.28	0.00	14.28	0.00	1.88	0.10	0.00	1.98	0.00	41.72	0.00	0.	0.00
302	2.300	32.15	0.00	0.00	0.00	5.13	14.23	0.00	14.23	0.00	1.88	0.10	0.00	1.98	0.00	40.07	0.00	0.	0.00
303	2.200	32.09	0.00	0.00	0.00	5.11	14.18	0.00	14.18	0.00	1.88	0.10	0.00	1.98	0.00	38.41	0.00	0.	0.00
304	2.100	32.03	0.00	0.00	0.00	5.07	14.13	0.00	14.13	0.00	1.88	0.10	0.00	1.98	0.00	36.76	0.00	0.	0.00
305	2.000	31.97	0.00	0.00	0.00	5.04	14.08	0.00	14.08	0.00	1.88	0.10	0.00	1.98	0.00	35.10	0.00	0.	0.00
306	1.900	31.91	0.00	0.00	0.00	5.01	14.03	0.00	14.03	0.00	1.88	0.10	0.00	1.98	0.00	33.45	0.00	0.	0.00
307	1.800	31.86	0.00	0.00	0.00	4.97	13.98	0.00	13.98	0.00	1.88	0.10	0.00	1.98	0.00	31.79	0.00	0.	0.00
308	1.700	31.80	0.00	0.00	0.00	4.93	13.94	0.00	13.94	0.00	1.88	0.10	0.00	1.98	0.00	30.14	0.00	0.	0.00
309	1.600	31.74	0.00	0.00	0.00	4.89	13.89	0.00	13.89	0.00	1.88	0.10	0.00	1.98	0.00	28.48	0.00	0.	0.00
310	1.500	31.68	0.00	0.00	0.00	4.85	13.84	0.00	13.84	0.00	1.88	0.10	0.00	1.97	0.00	26.83	0.00	0.	0.00
311	1.400	31.62	0.00	0.00	0.00	4.81	13.80	0.00	13.80	0.00	1.87	0.10	0.00	1.97	0.00	25.17	0.00	0.	0.00
312	1.300	31.56	0.00	0.00	0.00	4.76	13.75	0.00	13.75	0.00	1.87	0.10	0.00	1.97	0.00	23.52	0.00	0.	0.00
313	1.200	31.50	0.00	0.00	0.00	4.71	13.71	0.00	13.71	0.00	1.87	0.10	0.00	1.97	0.00	21.86	0.00	0.	0.00
314	1.100	31.44	0.00	0.00	0.00	4.66	13.66	0.00	13.66	0.00	1.87	0.10	0.00	1.97	0.00	20.21	0.00	0.	0.00
315	1.000	31.39	0.00	0.00	0.00	4.61	13.62	0.00	13.62	0.00	1.87	0.10	0.00	1.97	0.00	18.55	0.00	0.	0.00
316	0.900	31.33	0.00	0.00	0.00	4.56	13.58	0.00	13.58	0.00	1.87	0.10	0.00	1.97	0.00	16.90	0.00	0.	0.00
317	0.800	31.27	0.00	0.00	0.00	4.51	13.53	0.00	13.53	0.00	1.87	0.10	0.00	1.97	0.00	15.24	0.00	0.	0.00
318	0.700	31.21	0.00	0.00	0.00	4.45	13.49	0.00	13.49	0.00	1.87	0.10	0.00	1.97	0.00	13.59	0.00	0.	0.00
319	0.600	31.15	0.00	0.00	0.00	4.39	13.45	0.00	13.45	0.00	1.87	0.10	0.00	1.97	0.00	11.93	0.00	0.	0.00
320	0.500	31.09	0.00	0.00	0.00	4.34	13.41	0.00	13.41	0.00	1.87	0.10	0.00	1.97	0.00	10.28	0.00	0.	0.00
321	0.400	31.03	0.00	0.00	0.00	4.28	13.37	0.00	13.37	0.00	1.87	0.10	0.00	1.97	0.00	8.62	0.00	0.	0.00
322	0.300	30.98	0.00	0.00	0.00	4.21	13.33	0.00	13.33	0.00	1.86	0.10	0.00	1.96	0.00	6.97	0.00	0.	0.00
323	0.200	30.92	0.00	0.00	0.00	4.15	13.28	0.00	13.28	0.00	1.86	0.10	0.00	1.96	0.00	5.31	0.00	0.	0.00
324	0.100	30.86	0.00	0.00	0.00	4.09	13.14	0.00	13.14	0.00	1.84	0.10	0.00	1.94	0.00	3.66	0.00	0.	0.00
325	0.000	30.80	0.00	0.00	0.00	4.09	11.74	0.00	11.74	0.00	1.60	0.10	0.00	1.70	0.00	2.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

Grassy Lake Calibration Simulation for Lake Verret and Grassy Lake model

TRAVEL TIME = 16.47 DAYS
MAXIMUM EFFLUENT = 33.16 PERCENT
FLOW = 51.90000 TO 90.81256 m³/s
DISPERSION = 0.2000 TO 0.5000 m²/s
VELOCITY = 0.01042 TO 0.15893 m/s
DEPTH = 1.01 TO 5.24 m
WIDTH = 87.00 TO ****** m
BOD DECAY = 0.28 TO 0.40 per day
NH3 DECAY = 0.41 TO 0.59 per day
SOD = 1.38 TO 7.18 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.17 TO 0.95 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 = 30.80 TO 33.90 deg C
DISSOLVED OXYGEN = 3.55 TO 6.91 mg/L

FINAL REPORT Fourmile Bayou Oxbow LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 3 Fourmile Bayou Oxbow Calibration Simulation for Lake Verret and Grassy Lake 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
56	HDWTR	8.80000	33.90	0.00	0.00	0.00	6.80	25.50	0.00	25.50	0.00	1.70	0.10	0.04	0.00	95.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL AREA m³	TIDAL PRISM m/s	DISPRSN m²/s	MEAN VELO m/s	TIDAL VELO
56	4.20	4.10	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
57	4.10	4.00	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
58	4.00	3.90	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
59	3.90	3.80	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
60	3.80	3.70	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
61	3.70	3.60	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
62	3.60	3.50	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
63	3.50	3.40	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
64	3.40	3.30	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
65	3.30	3.20	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
66	3.20	3.10	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
67	3.10	3.00	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
68	3.00	2.90	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
69	2.90	2.80	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
70	2.80	2.70	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
71	2.70	2.60	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
72	2.60	2.50	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
73	2.50	2.40	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
74	2.40	2.30	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
75	2.30	2.20	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
76	2.20	2.10	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
77	2.10	2.00	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
78	2.00	1.90	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
79	1.90	1.80	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
80	1.80	1.70	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
81	1.70	1.60	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
82	1.60	1.50	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
83	1.50	1.40	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
84	1.40	1.30	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
85	1.30	1.20	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
86	1.20	1.10	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
87	1.10	1.00	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
88	1.00	0.90	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
89	0.90	0.80	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
90	0.80	0.70	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
91	0.70	0.60	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
92	0.60	0.50	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
93	0.50	0.40	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
94	0.40	0.30	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	
95	0.30	0.20	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040	

96	0.20	0.10	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040										
97	0.10	0.00	8.80000	0.0	0.04046	0.03	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.300	0.040										
TOT					1.20			913500.00	365400.00																
AVG				0.0405			2.50	87.00			217.50														
CUM					1.20																				

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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			
56	4.100	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.19	7.19	7.19	0.03	0.00	0.59	0.00	0.00	0.00	8.84	0.00	0.00	0.00	0.00	
57	4.000	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.18	7.18	7.18	0.03	0.00	0.58	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00	
58	3.900	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.17	7.17	7.17	0.03	0.00	0.58	0.00	0.00	0.00	8.53	0.00	0.00	0.00	0.00	
59	3.800	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.16	7.16	7.16	0.03	0.00	0.58	0.00	0.00	0.00	8.37	0.00	0.00	0.00	0.00	
60	3.700	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.15	7.15	7.15	0.03	0.00	0.57	0.00	0.00	0.00	8.22	0.00	0.00	0.00	0.00	
61	3.600	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.13	7.13	7.13	0.03	0.00	0.57	0.00	0.00	0.00	8.06	0.00	0.00	0.00	0.00	
62	3.500	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.12	7.12	7.12	0.03	0.00	0.57	0.00	0.00	0.00	7.91	0.00	0.00	0.00	0.00	
63	3.400	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.11	7.11	7.11	0.03	0.00	0.56	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00	
64	3.300	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.10	7.10	7.10	0.03	0.00	0.56	0.00	0.00	0.00	7.60	0.00	0.00	0.00	0.00	
65	3.200	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.09	7.09	7.09	0.03	0.00	0.55	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00	
66	3.100	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.08	7.08	7.08	0.03	0.00	0.55	0.00	0.00	0.00	7.29	0.00	0.00	0.00	0.00	
67	3.000	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.07	7.07	7.07	0.03	0.00	0.55	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00	
68	2.900	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.06	7.06	7.06	0.03	0.00	0.54	0.00	0.00	0.00	6.99	0.00	0.00	0.00	0.00	
69	2.800	7.12	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.05	7.05	7.05	0.03	0.00	0.53	0.00	0.00	0.00	6.84	0.00	0.00	0.00	0.00	
70	2.700	7.12	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.04	7.04	7.04	0.03	0.00	0.53	0.00	0.00	0.00	6.69	0.00	0.00	0.00	0.00	
71	2.600	7.12	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.03	7.03	7.03	0.03	0.00	0.52	0.00	0.00	0.00	6.53	0.00	0.00	0.00	0.00	
72	2.500	7.12	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.02	7.02	7.02	0.03	0.00	0.52	0.00	0.00	0.00	6.38	0.00	0.00	0.00	0.00	
73	2.400	7.13	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.01	7.01	7.01	0.03	0.00	0.51	0.00	0.00	0.00	6.23	0.00	0.00	0.00	0.00	
74	2.300	7.13	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.00	7.00	7.00	0.03	0.00	0.50	0.00	0.00	0.00	6.08	0.00	0.00	0.00	0.00	
75	2.200	7.13	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.99	6.99	6.99	0.03	0.00	0.50	0.00	0.00	0.00	5.93	0.00	0.00	0.00	0.00	
76	2.100	7.14	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.98	6.98	6.98	0.03	0.00	0.49	0.00	0.00	0.00	5.78	0.00	0.00	0.00	0.00	
77	2.000	7.14	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.97	6.97	6.97	0.03	0.00	0.48	0.00	0.00	0.00	5.63	0.00	0.00	0.00	0.00	
78	1.900	7.14	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.96	6.96	6.96	0.03	0.00	0.47	0.00	0.00	0.00	5.48	0.00	0.00	0.00	0.00	
79	1.800	7.14	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.94	6.94	6.94	0.03	0.00	0.46	0.00	0.00	0.00	5.34	0.00	0.00	0.00	0.00	
80	1.700	7.15	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.93	6.93	6.93	0.03	0.00	0.45	0.00	0.00	0.00	5.19	0.00	0.00	0.00	0.00	
81	1.600	7.15	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.92	6.92	6.92	0.03	0.00	0.44	0.00	0.00	0.00	5.04	0.00	0.00	0.00	0.00	
82	1.500	7.15	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.03	0.00	0.43	0.00	0.00	0.00	4.89	0.00	0.00	0.00	0.00	
83	1.400	7.15	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.90	6.90	6.90	0.03	0.00	0.42	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00	
84	1.300	7.16	0.36	0.39	0.00	0.00	0.00	0.00	0.00	6.89	6.89	6.89	0.03	0.00	0.40	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00	
85	1.200	7.16	0.36	0.38	0.00	0.00	0.00	0.00	0.00	6.88	6.88	6.86	0.03	0.00	0.39	0.00	0.00	0.00	4.45	0.00	0.00	0.00	0.00	
86	1.100	7.16	0.36	0.35	0.00	0.00	0.00	0.00	0.00	6.87	6.87	6.30	0.03	0.00	0.29	0.00	0.00	0.00	4.30	0.00	0.00	0.00	0.00	
87	1.000	7.17	0.36	0.33	0.00	0.00	0.00	0.00	0.00	6.86	6.86	5.81	0.03	0.00	0.21	0.00	0.00	0.00	4.16	0.00	0.00	0.00	0.00	
88	0.900	7.17	0.36	0.30	0.00	0.00	0.00	0.00	0.00	6.85	6.85	5.40	0.03	0.00	0.16	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00	
89	0.800	7.17	0.35	0.28	0.00	0.00	0.00	0.00	0.00	6.84	6.84	5.03	0.03	0.00	0.12	0.00	0.00	0.00	3.87	0.00	0.00	0.00	0.00	
90	0.700	7.18	0.35	0.26	0.00	0.00	0.00	0.00	0.00	6.83	6.83	4.72	0.03	0.00	0.10	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00	
91	0.600	7.18	0.35	0.25	0.00	0.00	0.00	0.00	0.00	6.82	6.82	4.44	0.03	0.00	0.08	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00	
92	0.500	7.18	0.35	0.23	0.00	0.00	0.00	0.00	0.00	6.81	6.81	4.19	0.03	0.00	0.06	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00	
93	0.400	7.18	0.35	0.22	0.00	0.00	0.00	0.00	0.00	6.80	6.80	3.97	0.03	0.00	0.05	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00	
94	0.300	7.19	0.35	0.21	0.00	0.00	0.00	0.00	0.00	6.79	6.79	3.77	0.03	0.00	0.04	0.00	0.00	0.00	3.14	0.00	0.00	0.00	0.00	
95	0.200	7.19	0.35	0.20	0.00	0.00	0.00	0.00	0.00	6.78	6.78	3.60	0.03	0.00	0.04	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	
96	0.100	7.19	0.35	0.20	0.00	0.00	0.00	0.00	0.00	6.77	6.77	3.49	0.03	0.00	0.03	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00	

97	0.000	7.20	0.35	0.25	0.00	0.00	0.00	0.00	0.00	6.76	6.76	4.36	0.03	0.00	0.08	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE				0.28	0.21	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/m²/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/m³	PHOS #/100mL	CHL A	MACRO	COLI	NCM
56	4.100	33.88	0.00	0.00	0.00	6.67	25.52	0.00	25.52	0.00	1.73	0.10	0.03	1.85	0.00	93.45	0.00	0.	0.00
57	4.000	33.85	0.00	0.00	0.00	6.54	25.55	0.00	25.55	0.00	1.75	0.10	0.02	1.87	0.00	91.90	0.00	0.	0.00
58	3.900	33.83	0.00	0.00	0.00	6.41	25.57	0.00	25.57	0.00	1.77	0.10	0.01	1.88	0.00	90.36	0.00	0.	0.00
59	3.800	33.80	0.00	0.00	0.00	6.28	25.59	0.00	25.59	0.00	1.80	0.10	0.00	1.90	0.00	88.81	0.00	0.	0.00
60	3.700	33.78	0.00	0.00	0.00	6.15	25.62	0.00	25.62	0.00	1.82	0.10	0.00	1.92	0.00	87.26	0.00	0.	0.00
61	3.600	33.76	0.00	0.00	0.00	6.01	25.64	0.00	25.64	0.00	1.84	0.10	0.00	1.94	0.00	85.71	0.00	0.	0.00
62	3.500	33.73	0.00	0.00	0.00	5.87	25.66	0.00	25.66	0.00	1.87	0.10	0.00	1.97	0.00	84.17	0.00	0.	0.00
63	3.400	33.71	0.00	0.00	0.00	5.73	25.69	0.00	25.69	0.00	1.89	0.10	0.00	1.99	0.00	82.62	0.00	0.	0.00
64	3.300	33.69	0.00	0.00	0.00	5.59	25.71	0.00	25.71	0.00	1.91	0.10	0.00	2.01	0.00	81.07	0.00	0.	0.00
65	3.200	33.66	0.00	0.00	0.00	5.44	25.74	0.00	25.74	0.00	1.94	0.10	0.00	2.04	0.00	79.52	0.00	0.	0.00
66	3.100	33.64	0.00	0.00	0.00	5.29	25.76	0.00	25.76	0.00	1.96	0.10	0.00	2.06	0.00	77.98	0.00	0.	0.00
67	3.000	33.61	0.00	0.00	0.00	5.14	25.78	0.00	25.78	0.00	1.99	0.10	0.00	2.08	0.00	76.43	0.00	0.	0.00
68	2.900	33.59	0.00	0.00	0.00	4.98	25.81	0.00	25.81	0.00	2.01	0.10	0.00	2.11	0.00	74.88	0.00	0.	0.00
69	2.800	33.57	0.00	0.00	0.00	4.82	25.83	0.00	25.83	0.00	2.03	0.10	0.00	2.13	0.00	73.33	0.00	0.	0.00
70	2.700	33.54	0.00	0.00	0.00	4.66	25.85	0.00	25.85	0.00	2.06	0.10	0.00	2.15	0.00	71.79	0.00	0.	0.00
71	2.600	33.52	0.00	0.00	0.00	4.50	25.88	0.00	25.88	0.00	2.08	0.10	0.00	2.18	0.00	70.24	0.00	0.	0.00
72	2.500	33.50	0.00	0.00	0.00	4.34	25.90	0.00	25.90	0.00	2.10	0.10	0.00	2.20	0.00	68.69	0.00	0.	0.00
73	2.400	33.47	0.00	0.00	0.00	4.17	25.93	0.00	25.93	0.00	2.13	0.10	0.00	2.22	0.00	67.14	0.00	0.	0.00
74	2.300	33.45	0.00	0.00	0.00	4.00	25.95	0.00	25.95	0.00	2.15	0.10	0.00	2.25	0.00	65.60	0.00	0.	0.00
75	2.200	33.42	0.00	0.00	0.00	3.83	25.97	0.00	25.97	0.00	2.17	0.10	0.00	2.27	0.00	64.05	0.00	0.	0.00
76	2.100	33.40	0.00	0.00	0.00	3.65	26.00	0.00	26.00	0.00	2.20	0.10	0.00	2.30	0.00	62.50	0.00	0.	0.00
77	2.000	33.38	0.00	0.00	0.00	3.48	26.02	0.00	26.02	0.00	2.22	0.10	0.00	2.32	0.00	60.95	0.00	0.	0.00
78	1.900	33.35	0.00	0.00	0.00	3.30	26.05	0.00	26.05	0.00	2.24	0.10	0.00	2.34	0.00	59.40	0.00	0.	0.00
79	1.800	33.33	0.00	0.00	0.00	3.12	26.07	0.00	26.07	0.00	2.27	0.10	0.00	2.37	0.00	57.86	0.00	0.	0.00
80	1.700	33.30	0.00	0.00	0.00	2.93	26.10	0.00	26.10	0.00	2.29	0.10	0.00	2.39	0.00	56.31	0.00	0.	0.00
81	1.600	33.28	0.00	0.00	0.00	2.75	26.12	0.00	26.12	0.00	2.31	0.10	0.00	2.41	0.00	54.76	0.00	0.	0.00
82	1.500	33.26	0.00	0.00	0.00	2.56	26.14	0.00	26.14	0.00	2.34	0.10	0.00	2.44	0.00	53.21	0.00	0.	0.00
83	1.400	33.23	0.00	0.00	0.00	2.37	26.17	0.00	26.17	0.00	2.36	0.10	0.00	2.46	0.00	51.67	0.00	0.	0.00
84	1.300	33.21	0.00	0.00	0.00	2.18	26.19	0.00	26.19	0.00	2.38	0.10	0.00	2.49	0.00	50.12	0.00	0.	0.00
85	1.200	33.19	0.00	0.00	0.00	1.99	26.22	0.00	26.22	0.00	2.41	0.10	0.00	2.51	0.00	48.57	0.00	0.	0.00
86	1.100	33.16	0.00	0.00	0.00	1.83	26.27	0.00	26.27	0.00	2.43	0.10	0.00	2.53	0.00	47.02	0.00	0.	0.00
87	1.000	33.14	0.00	0.00	0.00	1.69	26.34	0.00	26.34	0.00	2.45	0.11	0.00	2.56	0.00	45.48	0.00	0.	0.00
88	0.900	33.11	0.00	0.00	0.00	1.58	26.43	0.00	26.43	0.00	2.48	0.11	0.00	2.58	0.00	43.93	0.00	0.	0.00
89	0.800	33.09	0.00	0.00	0.00	1.47	26.53	0.00	26.53	0.00	2.50	0.11	0.00	2.61	0.00	42.38	0.00	0.	0.00
90	0.700	33.07	0.00	0.00	0.00	1.38	26.64	0.00	26.64	0.00	2.52	0.11	0.00	2.63	0.00	40.83	0.00	0.	0.00
91	0.600	33.04	0.00	0.00	0.00	1.30	26.76	0.00	26.76	0.00	2.55	0.11	0.00	2.66	0.00	39.29	0.00	0.	0.00
92	0.500	33.02	0.00	0.00	0.00	1.23	26.89	0.00	26.89	0.00	2.57	0.11	0.00	2.68	0.00	37.74	0.00	0.	0.00
93	0.400	33.00	0.00	0.00	0.00	1.17	27.04	0.00	27.04	0.00	2.59	0.11	0.00	2.71	0.00	36.19	0.00	0.	0.00
94	0.300	32.97	0.00	0.00	0.00	1.11	27.19	0.00	27.19	0.00	2.62	0.12	0.00	2.73	0.00	34.64	0.00	0.	0.00
95	0.200	32.95	0.00	0.00	0.00	1.06	27.34	0.00	27.34	0.00	2.64	0.12	0.00	2.76	0.00	33.10	0.00	0.	0.00
96	0.100	32.92	0.00	0.00	0.00	1.03	27.47	0.00	27.47	0.00	2.66	0.12	0.00	2.78	0.00	31.55	0.00	0.	0.00
97	0.000	32.90	0.00	0.00	0.00	1.29	27.28	0.00	27.28	0.00	2.62	0.12	0.00	2.73	0.00	30.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

Fourmile Bayou Oxbow Calibration Simulation for Lake Verret and Grassy Lake model

TRAVEL TIME = 1.20 DAYS
MAXIMUM EFFLUENT = 0.00 PERCENT
FLOW = 8.80000 TO 8.80000 m³/s
DISPERSION = 0.3000 TO 0.3000 m²/s
VELOCITY = 0.04046 TO 0.04046 m/s
DEPTH = 2.50 TO 2.50 m
WIDTH = 87.00 TO 87.00 m
BOD DECAY = 0.20 TO 0.40 per day
NH3 DECAY = 0.03 TO 0.59 per day
SOD = 3.49 TO 7.19 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.35 TO 0.36 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.03 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 32.90 TO 33.88 deg C
DISSOLVED OXYGEN = 1.03 TO 6.67 mg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model
REACH SUMMARY REPORT FOR Grassy Lake

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
1	Grassy Lake	28.30	24.80	3.50	0.95	51.90000	0.04268	1.010	1343.00	1832.589	0.140	3.314	4406.38
2	Fourmile Bayou 1	24.80	22.80	2.00	0.25	51.90000	0.09257	5.240	107.00	1832.589	0.304	17.192	351.07
4	Fourmile Bayou 2	22.80	19.40	3.40	0.25	60.70000	0.15893	4.390	87.00	2143.317	0.521	14.404	285.45
5	Lake Verret 1	19.40	14.50	4.90	1.58	90.80202	0.03582	1.340	1892.00	3206.219	0.118	4.397	6207.65
6	Lake Verret 2	14.50	2.90	11.60	12.89	90.81248	0.01042	2.130	4092.00	3206.589	0.034	6.98913	425.85
7	Lake Verret 3	2.90	0.00	2.90	0.55	90.81256	0.06072	1.950	767.00	3206.592	0.199	6.398	2516.53

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model
REACH SUMMARY REPORT FOR Fourmile Bayou Oxbow

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
3	Fourmile Bayou Oxbow	4.20	0.00	4.20	1.20	8.80000	0.04046	2.500	87.00	310.728	0.133	8.202	285.45

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE IN	DECA IN	DECA OUT	DECA IN	BOD1 OUT	NH3-N BKGD	ORG-N BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	SOD PHOT	ALG OUT	ALG IN	MAC	TOT	TOT
1	35138.	0.	-35139.	0.	0.	0.	0.	0.	0.	0.	60.	-1049.	-32.	0.	0.	-215.	0.	0.	0.	1237.	0.	0.	-36435.2	36435.2	-0.01			
2	35139.	0.	-35138.	0.	0.	0.	0.	0.	0.	0.	59.	-1050.	-32.	0.	0.	-215.	0.	0.	0.	1237.	0.	0.	-36435.7	36435.7	0.00			
3	35138.	0.	-35134.	0.	0.	-1.	0.	0.	0.	0.	0.	59.	-1051.	-32.	0.	0.	-215.	0.	0.	0.	1236.	0.	0.	-36433.8	36433.8	0.00			
4	35134.	0.	-35128.	1.	0.	-1.	0.	0.	0.	0.	0.	59.	-1053.	-32.	0.	0.	-216.	0.	0.	0.	1236.	0.	0.	-36429.7	36429.7	0.00			
5	35128.	0.	-35120.	1.	0.	-1.	0.	0.	0.	0.	0.	59.	-1054.	-32.	0.	0.	-216.	0.	0.	0.	1235.	0.	0.	-36423.2	36423.2	0.00			
6	35120.	0.	-35109.	1.	0.	-1.	0.	0.	0.	0.	0.	59.	-1056.	-32.	0.	0.	-216.	0.	0.	0.	1235.	0.	0.	-36414.6	36414.6	-0.01			
7	35109.	0.	-35096.	1.	0.	-2.	0.	0.	0.	0.	0.	59.	-1057.	-32.	0.	0.	-217.	0.	0.	0.	1235.	0.	0.	-36403.9	36403.9	-0.01			
8	35096.	0.	-35082.	2.	0.	-2.	0.	0.	0.	0.	0.	59.	-1058.	-32.	0.	0.	-217.	0.	0.	0.	1234.	0.	0.	-36391.1	36391.1	0.00			
9	35082.	0.	-35065.	2.	0.	-2.	0.	0.	0.	0.	0.	59.	-1060.	-32.	0.	0.	-217.	0.	0.	0.	1234.	0.	0.	-36376.2	36376.2	0.00			
10	35065.	0.	-35047.	2.	0.	-2.	0.	0.	0.	0.	0.	59.	-1061.	-32.	0.	0.	-218.	0.	0.	0.	1233.	0.	0.	-36359.4	36359.4	0.00			

11	35047.	0.	-35026.	2.	0.	-2.	0.	0.	0.	0.	0.	59.	-1062.	-32.	0.	0.	-218.	0.	0.	0.	1233.	0.	0.	-36340.7	36340.7	-0.01
12	35026.	0.	-35004.	2.	0.	-3.	0.	0.	0.	0.	0.	60.	-1064.	-32.	0.	0.	-218.	0.	0.	0.	1232.	0.	0.	-36320.2	36320.2	0.00
13	35004.	0.	-34980.	3.	0.	-3.	0.	0.	0.	0.	0.	60.	-1065.	-32.	0.	0.	-219.	0.	0.	0.	1232.	0.	0.	-36297.8	36297.8	0.00
14	34980.	0.	-34954.	3.	0.	-3.	0.	0.	0.	0.	0.	60.	-1066.	-32.	0.	0.	-219.	0.	0.	0.	1231.	0.	0.	-36273.7	36273.7	-0.01
15	34954.	0.	-34926.	3.	0.	-3.	0.	0.	0.	0.	0.	60.	-1067.	-32.	0.	0.	-219.	0.	0.	0.	1231.	0.	0.	-36247.8	36247.8	0.00
16	34926.	0.	-34897.	3.	0.	-3.	0.	0.	0.	0.	0.	61.	-1069.	-32.	0.	0.	-220.	0.	0.	0.	1230.	0.	0.	-36220.3	36220.3	0.00
17	34897.	0.	-34866.	3.	0.	-4.	0.	0.	0.	0.	0.	61.	-1070.	-32.	0.	0.	-220.	0.	0.	0.	1230.	0.	0.	-36191.1	36191.1	-0.01
18	34866.	0.	-34834.	4.	0.	-4.	0.	0.	0.	0.	0.	62.	-1071.	-32.	0.	0.	-220.	0.	0.	0.	1229.	0.	0.	-36160.4	36160.4	0.00
19	34834.	0.	-34800.	4.	0.	-4.	0.	0.	0.	0.	0.	62.	-1072.	-32.	0.	0.	-220.	0.	0.	0.	1229.	0.	0.	-36128.1	36128.1	-0.01
20	34800.	0.	-34764.	4.	0.	-4.	0.	0.	0.	0.	0.	63.	-1074.	-32.	0.	0.	-221.	0.	0.	0.	1228.	0.	0.	-36094.4	36094.4	-0.01
21	34764.	0.	-34727.	4.	0.	-4.	0.	0.	0.	0.	0.	63.	-1075.	-32.	0.	0.	-221.	0.	0.	0.	1227.	0.	0.	-36059.2	36059.2	0.00
22	34727.	0.	-34689.	4.	0.	-4.	0.	0.	0.	0.	0.	64.	-1076.	-32.	0.	0.	-221.	0.	0.	0.	1227.	0.	0.	-36022.6	36022.6	0.00
23	34689.	0.	-34649.	4.	0.	-5.	0.	0.	0.	0.	0.	65.	-1077.	-32.	0.	0.	-222.	0.	0.	0.	1226.	0.	0.	-35984.6	35984.6	0.00
24	34649.	0.	-34609.	5.	0.	-5.	0.	0.	0.	0.	0.	65.	-1078.	-31.	0.	0.	-222.	0.	0.	0.	1226.	0.	0.	-35945.3	35945.3	-0.01
25	34609.	0.	-34566.	5.	0.	-5.	0.	0.	0.	0.	0.	66.	-1080.	-31.	0.	0.	-222.	0.	0.	0.	1225.	0.	0.	-35904.7	35904.7	-0.01
26	34566.	0.	-29517.	5.	0.	-6.	0.	0.	0.	0.	-5005.	67.	-1081.	-31.	0.	0.	-223.	0.	0.	0.	1225.	0.	0.	-35862.8	35862.8	0.00
27	29517.	0.	-29473.	6.	0.	-6.	0.	0.	0.	0.	0.	68.	-1082.	-31.	0.	0.	-223.	0.	0.	0.	1224.	0.	0.	-30815.1	30815.1	0.00
28	29473.	0.	-29427.	6.	0.	-6.	0.	0.	0.	0.	0.	69.	-1083.	-31.	0.	0.	-223.	0.	0.	0.	1224.	0.	0.	-30771.1	30771.1	0.00
29	29427.	0.	-29381.	6.	0.	-6.	0.	0.	0.	0.	0.	70.	-1084.	-31.	0.	0.	-224.	0.	0.	0.	1223.	0.	0.	-30726.3	30726.3	-0.01
30	29381.	0.	-29333.	6.	0.	-6.	0.	0.	0.	0.	0.	71.	-1085.	-31.	0.	0.	-224.	0.	0.	0.	1223.	0.	0.	-30680.5	30680.5	0.00
31	29333.	0.	-29285.	6.	0.	-6.	0.	0.	0.	0.	0.	72.	-1087.	-31.	0.	0.	-224.	0.	0.	0.	1222.	0.	0.	-30633.7	30633.7	0.00
32	29285.	0.	-29236.	6.	0.	-7.	0.	0.	0.	0.	0.	73.	-1088.	-31.	0.	0.	-225.	0.	0.	0.	1222.	0.	0.	-30586.2	30586.2	-0.01
33	29236.	0.	-29186.	7.	0.	-7.	0.	0.	0.	0.	0.	74.	-1089.	-31.	0.	0.	-225.	0.	0.	0.	1221.	0.	0.	-30537.7	30537.7	0.00
34	29186.	0.	-29135.	7.	0.	-7.	0.	0.	0.	0.	0.	75.	-1090.	-31.	0.	0.	-225.	0.	0.	0.	1221.	0.	0.	-30488.5	30488.5	0.00
35	29135.	0.	-29081.	7.	0.	-10.	0.	0.	0.	0.	0.	76.	-1091.	-31.	0.	0.	-226.	0.	0.	0.	1220.	0.	0.	-30438.5	30438.5	-0.01
36	29081.	0.	-28963.	10.	0.	-5.	0.	0.	0.	0.	0.	6.	-525.	-13.	0.	0.	-77.	0.	0.	0.	486.	0.	0.	-29582.6	29582.6	0.00
37	28963.	0.	-28823.	5.	0.	-5.	0.	0.	0.	0.	0.	6.	-524.	-13.	0.	0.	-77.	0.	0.	0.	468.	0.	0.	-29441.6	29441.6	0.00
38	28823.	0.	-28666.	5.	0.	-6.	0.	0.	0.	0.	0.	7.	-524.	-13.	0.	0.	-76.	0.	0.	0.	449.	0.	0.	-29284.0	29284.0	0.00
39	28666.	0.	-28492.	6.	0.	-6.	0.	0.	0.	0.	0.	7.	-523.	-13.	0.	0.	-76.	0.	0.	0.	431.	0.	0.	-29109.8	29109.8	-0.01
40	28492.	0.	-28302.	6.	0.	-7.	0.	0.	0.	0.	0.	8.	-522.	-13.	0.	0.	-76.	0.	0.	0.	413.	0.	0.	-28919.2	28919.2	-0.01
41	28302.	0.	-28096.	7.	0.	-7.	0.	0.	0.	0.	0.	8.	-521.	-12.	0.	0.	-76.	0.	0.	0.	395.	0.	0.	-28712.2	28712.2	0.00
42	28096.	0.	-27873.	7.	0.	-8.	0.	0.	0.	0.	0.	9.	-520.	-12.	0.	0.	-75.	0.	0.	0.	377.	0.	0.	-28489.0	28489.0	-0.01
43	27873.	0.	-27634.	8.	0.	-8.	0.	0.	0.	0.	0.	9.	-520.	-12.	0.	0.	-75.	0.	0.	0.	360.	0.	0.	-28249.7	28249.7	0.00
44	27634.	0.	-27380.	8.	0.	-9.	0.	0.	0.	0.	0.	10.	-519.	-12.	0.	0.	-75.	0.	0.	0.	342.	0.	0.	-27994.3	27994.3	0.00
45	27380.	0.	-27109.	9.	0.	-9.	0.	0.	0.	0.	0.	10.	-518.	-12.	0.	0.	-75.	0.	0.	0.	324.	0.	0.	-27723.1	27723.0	-0.01
46	27109.	0.	-26822.	9.	0.	-10.	0.	0.	0.	0.	0.	11.	-517.	-12.	0.	0.	-74.	0.	0.	0.	307.	0.	0.	-27436.0	27436.0	0.00
47	26822.	0.	-26520.	10.	0.	-10.	0.	0.	0.	0.	0.	12.	-516.	-12.	0.	0.	-74.	0.	0.	0.	289.	0.	0.	-27133.2	27133.2	0.00
48	26520.	0.	-26203.	10.	0.	-11.	0.	0.	0.	0.	0.	12.	-516.	-12.	0.	0.	-74.	0.	0.	0.	272.	0.	0.	-26814.8	26814.8	0.00
49	26203.	0.	-25869.	11.	0.	-11.	0.	0.	0.	0.	0.	13.	-515.	-12.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-26481.0	26481.0	0.00
50	25869.	0.	-25521.	11.	0.	-12.	0.	0.	0.	0.	0.	14.	-514.	-12.	0.	0.	-73.	0.	0.	0.	237.	0.	0.	-26131.8	26131.8	0.00
51	25521.	0.	-25157.	12.	0.	-12.	0.	0.	0.	0.	0.	15.	-513.	-12.	0.	0.	-73.	0.	0.	0.	220.	0.	0.	-25767.2	25767.2	0.00
52	25157.	0.	-24778.	12.	0.	-13.	0.	0.	0.	0.	0.	16.	-513.	-12.	0.	0.	-73.	0.	0.	0.	203.	0.	0.	-25387.6	25387.6	0.00
53	24778.	0.	-24383.	13.	0.	-13.	0.	0.	0.	0.	0.	17.	-512.	-11.	0.	0.	-73.	0.	0.	0.	186.	0.	0.	-24992.8	24992.8	0.00
54	24383.	0.	-23973.	13.	0.	-16.	0.	0.	0.	0.	0.	17.	-511.	-11.	0.	0.	-73.	0.	0.	0.	169.	0.	0.	-24583.1	24583.1	0.00
55	23973.	0.	-23494.	16.	0.	-71.	0.	0.	0.	0.	0.	19.	-511.	-11.	0.	0.	-72.	0.	0.	0.	152.	0.	0.	-24158.6	24158.6	0.00
98	23494.	982.	-23962.	71.	-291.	-4.	0.	0.	0.	0.	0.	22.	-355.	-8.	0.	0.	-59.	0.	0.	0.	111.	0.	0.	-24678.3	24678.3	0.00
99	23962.	0.	-23679.	4.	0.	-3.	0.	0.	0.	0.	0.	22.	-355.	-8.	0.	0.	-59.	0.	0.	0.	118.	0.	0.	-24104.9	24104.9	0.00
100	23679.	0.	-23405.	3.	0.	-3.	0.	0.	0.	0.	0.	22.	-355.	-8.	0.	0.	-59.	0.	0.	0.	125.	0.	0.	-23830.3	23830.3	0.00
101	23405.	0.	-23138.	3.	0.	-3.	0.	0.	0.	0.	0.	23.	-355.	-8.	0.	0.	-59.	0.	0.	0.	132.	0.	0.	-23563.2	23563.2	0.01

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

IOR	UPMN ADV	UPTR ADV	LOWR DISP	UPMN DISP	UPTR DISP	LOWR IN	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
102	23138.	0.	-22879.	3.	0.	-3.	0.	0.	0.	0.	23.	-355.	-8.	0.	0.	-59.	0.	0.	0.	139.	0.	0.	-23303.7	23303.7	0.00	
103	22879.	0.	-22627.	3.	0.	-3.	0.	0.	0.	0.	0.	24.	-355.	-8.	0.	0.	-59.	0.	0.	0.	146.	0.	0.	-23051.6	23051.6	0.00
104	22627.	0.	-22382.	3.	0.	-3.	0.	0.	0.	0.	0.	24.	-355.	-8.	0.	0.	-59.	0.	0.	0.	153.	0.	0.	-22807.0	22807.0	0.00
105	22382.	0.	-22145.	3.	0.	-3.	0.	0.	0.	0.	0.	24.	-356.	-8.	0.	0.	-59.	0.	0.	0.	160.	0.	0.	-22569.8	22569.8	0.00
106	22145.	0.	-21915.	3.	0.	-3.	0.	0.	0.	0.	0.	25.	-356.	-8.	0.	0.	-59.	0.	0.	0.	167.	0.	0.	-22340.1	22340.1	0.00
107	21915.	0.	-21693.	3.	0.	-3.	0.	0.	0.	0.	0.	25.	-356.	-8.	0.	0.	-59.	0.	0.	0.	174.	0.	0.	-22117.8	22117.8	0.00
108	21693.	0.	-21478.	3.	0.	-3.	0.	0.	0.	0.	0.	26.	-356.	-8.	0.	0.	-59.	0.	0.	0.	182.	0.	0.	-21903.0	21903.0	0.00
109	21478.	0.	-21271.	3.	0.	-3.	0.	0.	0.	0.	0.	26.	-356.	-8.	0.	0.	-59.	0.	0.	0.	189.	0.	0.	-21695.5	21695.5	0.00
110	21271.	0.	-21071.	3.	0.	-2.	0.	0.	0.	0.	0.	26.	-356.	-8.	0.	0.	-59.	0.	0.	0.	196.	0.	0.	-21495.4	21495.4	0.00
111	21071.	0.	-20878.	2.	0.	-2.	0.	0.	0.	0.	0.	26.	-356.	-8.	0.	0.	-59.	0.	0.	0.	203.	0.	0.	-21302.7	21302.7	0.00
112	20878.	0.	-20693.	2.	0.	-2.	0.	0.	0.	0.	0.	27.	-356.	-8.	0.	0.	-59.	0.	0.	0.	210.	0.	0.	-21117.4	21117.4	0.01
113	20693.	0.	-20515.	2.	0.	-2.	0.	0.	0.	0.	0.	27.	-356.	-8.	0.	0.	-59.	0.	0.	0.	217.	0.	0.	-20939.4	20939.4	0.00
114	20515.	0.	-20345.	2.	0.	-2.	0.	0.	0.	0.	0.	27.	-356.	-8.	0.	0.	-59.	0.	0.	0.	224.	0.	0.	-20768.8	20768.8	0.00
115	20345.	0.	-20182.	2.	0.	-2.	0.	0.	0.	0.	0.	28.	-356.	-8.	0.	0.	-59.	0.	0.	0.	231.	0.	0.	-20605.4	20605.4	0.01
116	20182.	0.	-20026.	2.	0.	-2.	0.	0.	0.	0.	0.	28.	-356.	-8.	0.	0.	-59.	0.	0.	0.	238.	0.	0.	-20449.4	20449.4	0.00
117	20026.	0.	-19877.	2.	0.	-2.	0.	0.	0.	0.	0.	28.	-356.	-8.	0.	0.	-59.	0.	0.	0.	245.	0.	0.	-20300.7	20300.7	0.00
118	19877.	0.	-19736.	2.	0.	-2.	0.	0.	0.	0.	0.	28.	-356.	-7.	0.	0.	-59.	0.	0.	0.	252.	0.	0.	-20159.2	20159.2	0.00
119	19736.	0.	-19602.	2.	0.	-2.	0.	0.	0.	0.	0.	28.	-356.	-7.	0.	0.	-59.	0.	0.	0.	259.	0.	0.	-20025.0	20025.0	0.00
120	19602.	0.	-19475.	2.	0.	-2.	0.	0.	0.	0.	0.	29.	-356.	-7.	0.	0.	-59.	0.	0.	0.	266.	0.	0.	-19898.1	19898.1	0.00
121	19475.	0.	-19355.	2.	0.	-1.	0.	0.	0.	0.	0.	29.	-356.	-7.	0.	0.	-59.	0.	0.	0.	273.	0.	0.	-19778.4	19778.4	0.01
122	19355.	0.	-19243.	1.	0.	-1.	0.	0.	0.	0.	0.	29.	-356.	-7.	0.	0.	-59.	0.	0.	0.	280.	0.	0.	-19665.9	19665.9	0.00
123	19243.	0.	-19137.	1.	0.	-1.	0.	0.	0.	0.	0.	29.	-356.	-7.	0.	0.	-59.	0.	0.	0.	287.	0.	0.	-19560.6	19560.6	0.01
124	19137.	0.	-19039.	1.	0.	-1.	0.	0.	0.	0.	0.	29.	-356.	-7.	0.	0.	-59.	0.	0.	0.	295.	0.	0.	-19462.5	19462.5	0.01
125	19039.	0.	-18949.	1.	0.	-1.	0.	0.	0.	0.	0.	30.	-356.	-7.	0.	0.	-59.	0.	0.	0.	302.	0.	0.	-19371.6	19371.6	0.00
126	18949.	0.	-18865.	1.	0.	-1.	0.	0.	0.	0.	0.	30.	-356.	-7.	0.	0.	-58.	0.	0.	0.	309.	0.	0.	-19287.9	19287.9	0.00
127	18865.	0.	-18788.	1.	0.	-1.	0.	0.	0.	0.	0.	30.	-356.	-7.	0.	0.	-58.	0.	0.	0.	316.	0.	0.	-19211.3	19211.3	0.00
128	18788.	0.	-18719.	1.	0.	-1.	0.	0.	0.	0.	0.	30.	-356.	-7.	0.	0.	-58.	0.	0.	0.	323.	0.	0.	-19141.8	19141.8	0.00
129	18719.	0.	-18657.	1.	0.	-1.	0.	0.	0.	0.	0.	30.	-356.	-7.	0.	0.	-58.	0.	0.	0.	330.	0.	0.	-19079.5	19079.5	0.00
130	18657.	0.	-18609.	1.	0.	7.	0.	0.	0.	0.	0.	30.	-356.	-7.	0.	0.	-58.	0.	0.	0.	337.	0.	0.	-19031.2	19031.2	0.00
131	18609.	0.	-19160.	-7.	0.	604.	0.	0.	0.	0.	0.	29.	-354.	-8.	0.	0.	-58.	0.	0.	0.	344.	0.	0.	-19586.1	19586.1	0.00
132	19160.	0.	-38718.	-604.	0.	36.	0.	0.	0.	19765.	0.	407.	-1640.	-55.	0.	0.	-635.	0.	0.	0.	2284.	0.	0.	-41651.5	41651.5	0.00
133	38718.	0.	-39043.	-36.	0.	33.	0.	0.	0.	0.	0.	399.	-1666.	-55.	0.	0.	-635.	0.	0.	0.	2286.	0.	0.	-41435.7	41435.7	0.00
134	39043.	0.	-39338.	-33.	0.	30.	0.	0.	0.	0.	0.	393.	-1692.	-55.	0.	0.	-635.	0.	0.	0.	2288.	0.	0.	-41753.3	41753.3	0.00
135	39338.	0.	-39604.	-30.	0.	26.	0.	0.	0.	0.	0.	387.	-1717.	-56.	0.	0.	-635.	0.	0.	0.	2290.	0.	0.	-42041.1	42041.2	0.00
136	39604.	0.	-39841.	-26.	0.	23.	0.	0.	0.	0.	0.	381.	-1742.	-56.	0.	0.	-635.	0.	0.	0.	2291.	0.	0.	-42300.3	42300.3	-0.01
137	39841.	0.	-40050.	-23.	0.	20.	0.	0.	0.	0.	0.	377.	-1767.	-56.	0.	0.	-634.	0.	0.	0.	2293.	0.	0.	-42531.5	42531.5	-0.01
138	40050.	0.	-40233.	-20.	0.	17.	0.	0.	0.	0.	0.	373.	-1792.	-56.	0.	0.	-634.	0.	0.	0.	2295.	0.	0.	-42735.6	42735.6	0.01
139	40233.	0.	-40389.	-17.	0.	15.	0.	0.	0.	0.	0.	369.	-1816.	-56.	0.	0.	-634.	0.	0.	0.	2297.	0.	0.	-42913.6	42913.6	0.00
140	40389.	0.	-40521.	-15.	0.	12.	0.	0.	0.	1.	0.	366.	-1841.	-57.	0.	0.	-634.	0.	0.	0.	2299.	0.	0.	-43066.8	43066.8	0.00
141	40521.	0.	-40627.	-12.	0.	9.	0.	0.	0.	0.	0.	364.	-1865.	-57.	0.	0.	-634.	0.	0.	0.	2301.	0.	0.	-43194.7	43194.7	-0.01
142	40627.	0.	-40710.	-9.	0.	7.	0.	0.	0.	0.	0.	362.	-1889.	-57.	0.	0.	-634.	0.	0.	0.	2303.	0.	0.	-43298.8	43298.8	0.00
143	40710.	0.	-40770.	-7.	0.	4.	0.	0.	0.	0.	0.	361.	-1912.	-57.	0.	0.	-634.	0.	0.	0.	2305.	0.	0.	-43379.8	43379.8	-0.01
144	40770.	0.	-40808.	-4.	0.	2.	0.	0.	0.	0.	0.	360.	-1935.	-57.	0.	0.	-633.	0.	0.	0.	2307.	0.	0.	-43438.6	43438.6	0.00
145	40808.	0.	-40825.	-2.	0.	0.	0.	0.	0.	0.	0.	360.	-1959.	-58.	0.	0.	-633.	0.	0.	0.	2309.	0.	0.	-43476.2	43476.2	0.00
146	40825.	0.	-40820.	0.	0.	-3.	0.	0.	0.	0.	0.	360.	-1981.	-58.	0.	0.	-633.	0.	0.	0.	2310.	0.	0.	-43495.1	43495.1	-0.01
147	40820.	0.	-40796.	3.	0.	-5.	0.	0.	0.	0.	0.	360.	-2004.	-58.	0.	0.	-633.	0.	0.	0.	2312.	0.	0.	-43495.5	43495.5	0.00
148	40796.	0.	-40752.	5.	0.	-7.	0.	0.	0.	0.	0.	361.	-2027.	-58.	0.	0.	-633.	0.	0.	0.	2314.	0.	0.	-43476.2	43476.2	0.00
149	40752.	0.	-40689.	7.	0.	-9.	0.	0.	0.	0.	0.	363.	-2049.	-58.	0.	0.	-633.	0.	0.	0.	2316.	0.	0.	-43438.0	43438.0	0.00

150	40689.	0.	-40609.	9.	0.	-11.	0.	0.	0.	0.	0.	365.	-2071.	-58.	0.	0.	-632.	0.	0.	0.	2318.	0.	0.	-43381.2	43381.2	0.00
151	40609.	0.	-40510.	11.	0.	-13.	0.	0.	0.	0.	0.	367.	-2093.	-58.	0.	0.	-632.	0.	0.	0.	2320.	0.	0.	-43306.5	43306.5	0.00
152	40510.	0.	-40395.	13.	0.	-15.	0.	0.	0.	0.	0.	370.	-2114.	-59.	0.	0.	-632.	0.	0.	0.	2322.	0.	0.	-43214.7	43214.7	0.00
153	40395.	0.	-40264.	15.	0.	-16.	0.	0.	0.	0.	0.	373.	-2136.	-59.	0.	0.	-632.	0.	0.	0.	2324.	0.	0.	-43106.2	43106.2	0.00
154	40264.	0.	-40116.	16.	0.	-18.	0.	0.	0.	0.	0.	376.	-2157.	-59.	0.	0.	-632.	0.	0.	0.	2325.	0.	0.	-42981.7	42981.7	0.00
155	40116.	0.	-39954.	18.	0.	-20.	0.	0.	0.	0.	0.	380.	-2178.	-59.	0.	0.	-632.	0.	0.	0.	2327.	0.	0.	-42841.7	42841.6	-0.01
156	39954.	0.	-39776.	20.	0.	-21.	0.	0.	0.	0.	0.	384.	-2199.	-59.	0.	0.	-631.	0.	0.	0.	2329.	0.	0.	-42686.7	42686.7	0.00
157	39776.	0.	-39585.	21.	0.	-23.	0.	0.	0.	0.	0.	389.	-2219.	-59.	0.	0.	-631.	0.	0.	0.	2331.	0.	0.	-42517.3	42517.3	0.00
158	39585.	0.	-39380.	23.	0.	-24.	0.	0.	0.	0.	0.	393.	-2240.	-59.	0.	0.	-631.	0.	0.	0.	2333.	0.	0.	-42333.9	42333.9	0.01
159	39380.	0.	-39161.	24.	0.	-26.	0.	0.	0.	0.	0.	398.	-2260.	-59.	0.	0.	-631.	0.	0.	0.	2335.	0.	0.	-42137.2	42137.2	0.00
160	39161.	0.	-38930.	26.	0.	-27.	0.	0.	0.	0.	0.	404.	-2280.	-59.	0.	0.	-631.	0.	0.	0.	2337.	0.	0.	-41927.5	41927.5	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WSLD OUT	WITH IN	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
161	38930.	0.	-38687.	27.	0.	-28.	0.	0.	0.	0.	0.	409.	-2300.	-59.	0.	0.	-631.	0.	0.	0.	2339.	0.	0.	-41705.3	41705.3	-0.01
162	38687.	0.	-38432.	28.	0.	-30.	0.	0.	0.	0.	0.	415.	-2319.	-59.	0.	0.	-630.	0.	0.	0.	2341.	0.	0.	-41471.2	41471.2	0.01
163	38432.	0.	-38166.	30.	0.	-31.	0.	0.	0.	0.	0.	421.	-2339.	-60.	0.	0.	-630.	0.	0.	0.	2342.	0.	0.	-41225.5	41225.5	0.00
164	38166.	0.	-37889.	31.	0.	-32.	0.	0.	0.	0.	0.	428.	-2358.	-60.	0.	0.	-630.	0.	0.	0.	2344.	0.	0.	-40968.7	40968.7	0.00
165	37889.	0.	-37601.	32.	0.	-33.	0.	0.	0.	0.	0.	434.	-2377.	-60.	0.	0.	-630.	0.	0.	0.	2346.	0.	0.	-40701.2	40701.2	0.01
166	37601.	0.	-37304.	33.	0.	-34.	0.	0.	0.	0.	0.	441.	-2396.	-60.	0.	0.	-630.	0.	0.	0.	2348.	0.	0.	-40423.5	40423.5	0.00
167	37304.	0.	-36996.	34.	0.	-35.	0.	0.	0.	0.	0.	448.	-2415.	-60.	0.	0.	-630.	0.	0.	0.	2350.	0.	0.	-40135.9	40135.9	0.00
168	36996.	0.	-36680.	35.	0.	-36.	0.	0.	0.	0.	0.	455.	-2433.	-60.	0.	0.	-629.	0.	0.	0.	2352.	0.	0.	-39838.8	39838.8	0.01
169	36680.	0.	-36354.	36.	0.	-37.	0.	0.	0.	0.	0.	463.	-2452.	-60.	0.	0.	-629.	0.	0.	0.	2354.	0.	0.	-39532.6	39532.6	0.00
170	36354.	0.	-36021.	37.	0.	-38.	0.	0.	0.	0.	0.	470.	-2470.	-60.	0.	0.	-629.	0.	0.	0.	2356.	0.	0.	-39217.7	39217.7	0.00
171	36021.	0.	-35679.	38.	0.	-39.	0.	0.	0.	0.	0.	478.	-2488.	-60.	0.	0.	-629.	0.	0.	0.	2357.	0.	0.	-38894.5	38894.5	0.00
172	35679.	0.	-35329.	39.	0.	-40.	0.	0.	0.	0.	0.	486.	-2506.	-60.	0.	0.	-629.	0.	0.	0.	2359.	0.	0.	-38563.2	38563.2	0.00
173	35329.	0.	-34972.	40.	0.	-41.	0.	0.	0.	0.	0.	494.	-2523.	-60.	0.	0.	-629.	0.	0.	0.	2361.	0.	0.	-38224.3	38224.3	0.00
174	34972.	0.	-34607.	41.	0.	-41.	0.	0.	0.	0.	0.	503.	-2541.	-60.	0.	0.	-628.	0.	0.	0.	2363.	0.	0.	-37878.1	37878.1	0.00
175	34607.	0.	-34236.	41.	0.	-42.	0.	0.	0.	0.	0.	511.	-2558.	-60.	0.	0.	-628.	0.	0.	0.	2365.	0.	0.	-37524.8	37524.8	0.01
176	34236.	0.	-33858.	42.	0.	-43.	0.	0.	0.	0.	0.	520.	-2575.	-60.	0.	0.	-628.	0.	0.	0.	2367.	0.	0.	-37164.9	37164.9	0.00
177	33858.	0.	-33475.	43.	0.	-44.	0.	0.	0.	0.	0.	529.	-2592.	-60.	0.	0.	-628.	0.	0.	0.	2369.	0.	0.	-36798.6	36798.6	0.00
178	33475.	0.	-33083.	44.	0.	-46.	0.	0.	0.	0.	0.	538.	-2609.	-60.	0.	0.	-628.	0.	0.	0.	2370.	0.	0.	-36426.3	36426.3	0.00
179	33083.	0.	-32672.	46.	0.	-65.	0.	0.	0.	0.	0.	547.	-2624.	-60.	0.	0.	-628.	0.	0.	0.	2372.	0.	0.	-36048.7	36048.7	0.00
180	32672.	0.	-32093.	65.	0.	-263.	0.	0.	0.	0.	0.	560.	-2627.	-60.	0.	0.	-628.	0.	0.	0.	2374.	0.	0.	-35671.1	35671.1	0.01
181	32093.	0.	-31031.	263.	0.	-306.	0.	0.	0.	0.	0.	1264.	-8844.	-207.	0.	0.	-1357.	0.	0.	0.	8125.	0.	0.	-41745.3	41745.3	0.01
182	31031.	0.	-30234.	306.	0.	-249.	0.	0.	0.	0.	0.	1303.	-8680.	-208.	0.	0.	-1357.	0.	0.	0.	8088.	0.	0.	-40727.8	40727.8	0.03
183	30234.	0.	-29586.	249.	0.	-196.	0.	0.	0.	0.	0.	1335.	-8521.	-209.	0.	0.	-1357.	0.	0.	0.	8051.	0.	0.	-39868.7	39868.7	0.03
184	29586.	0.	-29076.	196.	0.	-147.	0.	0.	0.	0.	0.	1360.	-8366.	-210.	0.	0.	-1357.	0.	0.	0.	8013.	0.	0.	-39156.0	39156.1	0.03
185	29076.	0.	-28692.	147.	0.	-103.	0.	0.	0.	0.	0.	1379.	-8216.	-211.	0.	0.	-1357.	0.	0.	0.	7976.	0.	0.	-38578.7	38578.7	0.03
186	28692.	0.	-28424.	103.	0.	-62.	0.	0.	0.	0.	0.	1392.	-8071.	-212.	0.	0.	-1357.	0.	0.	0.	7939.	0.	0.	-38126.0	38126.0	0.03
187	28424.	0.	-28263.	62.	0.	-24.	0.	0.	0.	0.	0.	1400.	-7930.	-213.	0.	0.	-1357.	0.	0.	0.	7902.	0.	0.	-37788.2	37788.2	0.04
188	28263.	0.	-28200.	24.	0.	10.	0.	0.	0.	0.	0.	1403.	-7794.	-215.	0.	0.	-1357.	0.	0.	0.	7865.	0.	0.	-37565.9	37565.9	0.04
189	28200.	0.	-28227.	-10.	0.	41.	0.	0.	0.	0.	0.	1402.	-7662.	-216.	0.	0.	-1357.	0.	0.	0.	7828.	0.	0.	-37471.5	37471.5	0.04
190	28227.	0.	-28335.	-41.	0.	70.	0.	0.	0.	0.	0.	1397.	-7533.	-218.	0.	0.	-1356.	0.	0.	0.	7790.	0.	0.	-37483.9	37483.9	0.03
191	28335.	0.	-28516.	-70.	0.	96.	0.	0.	0.	0.	0.	1388.	-7409.	-220.	0.	0.	-1356.	0.	0.	0.	7753.	0.	0.	-37571.4	37571.4	0.04
192	28516.	0.	-28765.	-96.	0.	119.	0.	0.	0.	0.	0.	1376.	-7288.	-221.	0.	0.	-1356.	0.	0.	0.	7716.	0.	0.	-37727.1	37727.1	0.03
193	28765.	0.	-29075.	-119.	0.	140.	0.	0.	0.	0.	0.	1361.	-7172.	-223.	0.	0.	-1356.	0.	0.	0.	7679.	0.	0.	-37944.7	37944.7	0.03
194	29075.	0.	-29439.	-140.	0.	159.	0.	0.	0.	0.	0.	1343.	-7058.	-225.	0.	0.	-1356.	0.	0.	0.	7642.	0.	0.	-38217.9	38218.0	0.03
195	29439.	0.	-29852.	-159.	0.	175.	0.	0.	0.	0.	0.	1322.	-6948.	-227.	0.	0.	-1356.	0.	0.	0.	7605.	0.	0.	-38541.3	38541.3	0.03
196	29852.	0.	-30308.	-175.	0.	190.	0.	0.	0.	0.	0.	1300.	-6842.	-228.	0.	0.	-1356.	0.	0.	0.	7568.	0.	0.	-38909.4	38909.5	0.02

197	30308.	0.	-30803.	-190.	0.	203.	0.	0.	0.	0.	0.	1276.	-6738.	-230.	0.	0.-1356.	0.	0.	0.	7530.	0.	0.	-39317.5	39317.5	0.03
198	30803.	0.	-31332.	-203.	0.	214.	0.	0.	0.	0.	0.	1250.	-6638.	-231.	0.	0.-1356.	0.	0.	0.	7493.	0.	0.	-39760.7	39760.7	0.02
199	31332.	0.	-31891.	-214.	0.	224.	0.	0.	0.	0.	0.	1222.	-6541.	-233.	0.	0.-1356.	0.	0.	0.	7456.	0.	0.	-40234.9	40234.9	0.02
200	31891.	0.	-32475.	-224.	0.	233.	0.	0.	0.	0.	0.	1193.	-6447.	-234.	0.	0.-1356.	0.	0.	0.	7419.	0.	0.	-40736.0	40736.0	0.02
201	32475.	0.	-33081.	-233.	0.	240.	0.	0.	0.	0.	0.	1164.	-6356.	-235.	0.	0.-1356.	0.	0.	0.	7382.	0.	0.	-41260.4	41260.4	0.01
202	33081.	0.	-33705.	-240.	0.	246.	0.	0.	0.	0.	0.	1133.	-6267.	-237.	0.	0.-1356.	0.	0.	0.	7345.	0.	0.	-41804.3	41804.4	0.02
203	33705.	0.	-34345.	-246.	0.	250.	0.	0.	0.	0.	0.	1102.	-6181.	-238.	0.	0.-1355.	0.	0.	0.	7308.	0.	0.	-42364.8	42364.8	0.01
204	34345.	0.	-34996.	-250.	0.	254.	0.	0.	0.	0.	0.	1070.	-6098.	-239.	0.	0.-1355.	0.	0.	0.	7271.	0.	0.	-42938.7	42938.7	0.00
205	34996.	0.	-35657.	-254.	0.	256.	0.	0.	0.	0.	0.	1037.	-6017.	-240.	0.	0.-1355.	0.	0.	0.	7234.	0.	0.	-43523.2	43523.3	0.01
206	35657.	0.	-36325.	-256.	0.	258.	0.	0.	0.	0.	0.	1004.	-5939.	-240.	0.	0.-1355.	0.	0.	0.	7196.	0.	0.	-44115.8	44115.8	0.01
207	36325.	0.	-36996.	-258.	0.	259.	0.	0.	0.	0.	0.	971.	-5863.	-241.	0.	0.-1355.	0.	0.	0.	7159.	0.	0.	-44713.9	44714.0	0.01
208	36996.	0.	-37670.	-259.	0.	259.	0.	0.	0.	1.	0.	938.	-5790.	-242.	0.	0.-1355.	0.	0.	0.	7122.	0.	0.	-45315.9	45315.9	0.01
209	37670.	0.	-38344.	-259.	0.	258.	0.	0.	0.	0.	0.	905.	-5719.	-242.	0.	0.-1355.	0.	0.	0.	7085.	0.	0.	-45918.6	45918.6	0.00
210	38344.	0.	-39016.	-258.	0.	256.	0.	0.	0.	0.	0.	872.	-5649.	-243.	0.	0.-1355.	0.	0.	0.	7048.	0.	0.	-46520.7	46520.7	0.00
211	39016.	0.	-39684.	-256.	0.	254.	0.	0.	0.	0.	0.	839.	-5582.	-243.	0.	0.-1355.	0.	0.	0.	7011.	0.	0.	-47120.4	47120.4	0.00
212	39684.	0.	-40346.	-254.	0.	252.	0.	0.	0.	0.	0.	807.	-5517.	-243.	0.	0.-1355.	0.	0.	0.	6974.	0.	0.	-47716.0	47716.0	-0.01
213	40346.	0.	-41002.	-252.	0.	249.	0.	0.	0.	0.	0.	775.	-5454.	-243.	0.	0.-1355.	0.	0.	0.	6937.	0.	0.	-48306.1	48306.1	0.00
214	41002.	0.	-41649.	-249.	0.	245.	0.	0.	0.	0.	0.	743.	-5393.	-244.	0.	0.-1355.	0.	0.	0.	6900.	0.	0.	-48889.1	48889.1	-0.01
215	41649.	0.	-42287.	-245.	0.	241.	0.	0.	0.	0.	0.	712.	-5334.	-244.	0.	0.-1355.	0.	0.	0.	6863.	0.	0.	-49463.9	49463.9	-0.01
216	42287.	0.	-42914.	-241.	0.	236.	0.	0.	0.	0.	0.	681.	-5277.	-244.	0.	0.-1355.	0.	0.	0.	6826.	0.	0.	-50029.3	50029.3	0.00
217	42914.	0.	-43529.	-236.	0.	231.	0.	0.	0.	0.	0.	651.	-5221.	-243.	0.	0.-1354.	0.	0.	0.	6788.	0.	0.	-50584.2	50584.2	-0.01
218	43529.	0.	-44132.	-231.	0.	226.	0.	0.	0.	0.	0.	621.	-5167.	-243.	0.	0.-1354.	0.	0.	0.	6751.	0.	0.	-51127.6	51127.6	0.00
219	44132.	0.	-44721.	-226.	0.	221.	0.	0.	0.	0.	0.	592.	-5115.	-243.	0.	0.-1354.	0.	0.	0.	6714.	0.	0.	-51658.6	51658.6	-0.01

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

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 BKGD	NCM BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
220	44721.	0.	-45295.	-221.	0.	215.	0.	0.	0.	0.	0.	564.	-5064.	-243.	0.	0.-1354.	0.	0.	0.	6677.	0.	0.	-52176.5	52176.5	-0.01
221	45295.	0.	-45855.	-215.	0.	209.	0.	0.	0.	0.	0.	536.	-5015.	-242.	0.	0.-1354.	0.	0.	0.	6640.	0.	0.	-52680.4	52680.4	-0.01
222	45855.	0.	-46398.	-209.	0.	202.	0.	0.	0.	0.	0.	510.	-4967.	-242.	0.	0.-1354.	0.	0.	0.	6603.	0.	0.	-53169.8	53169.8	-0.01
223	46398.	0.	-46925.	-202.	0.	196.	0.	0.	0.	0.	0.	484.	-4921.	-241.	0.	0.-1354.	0.	0.	0.	6566.	0.	0.	-53644.0	53644.0	-0.02
224	46925.	0.	-47436.	-196.	0.	189.	0.	0.	0.	0.	0.	459.	-4876.	-241.	0.	0.-1354.	0.	0.	0.	6529.	0.	0.	-54102.5	54102.5	-0.01
225	47436.	0.	-47929.	-189.	0.	183.	0.	0.	0.	0.	0.	435.	-4832.	-240.	0.	0.-1354.	0.	0.	0.	6492.	0.	0.	-54544.8	54544.8	-0.02
226	47929.	0.	-48404.	-183.	0.	176.	0.	0.	0.	0.	0.	411.	-4790.	-240.	0.	0.-1354.	0.	0.	0.	6455.	0.	0.	-54970.5	54970.5	-0.02
227	48404.	0.	-48861.	-176.	0.	169.	0.	0.	0.	0.	0.	389.	-4749.	-239.	0.	0.-1354.	0.	0.	0.	6418.	0.	0.	-55379.4	55379.4	-0.02
228	48861.	0.	-49300.	-169.	0.	161.	0.	0.	0.	0.	0.	367.	-4710.	-239.	0.	0.-1354.	0.	0.	0.	6381.	0.	0.	-55771.0	55770.9	-0.02
229	49300.	0.	-49721.	-161.	0.	154.	0.	0.	0.	0.	0.	347.	-4671.	-238.	0.	0.-1354.	0.	0.	0.	6344.	0.	0.	-56145.1	56145.1	-0.01
230	49721.	0.	-50122.	-154.	0.	147.	0.	0.	0.	0.	0.	327.	-4634.	-237.	0.	0.-1353.	0.	0.	0.	6307.	0.	0.	-56501.4	56501.4	-0.03
231	50122.	0.	-50505.	-147.	0.	140.	0.	0.	0.	0.	0.	308.	-4598.	-237.	0.	0.-1353.	0.	0.	0.	6270.	0.	0.	-56839.8	56839.8	-0.01
232	50505.	0.	-50869.	-140.	0.	132.	0.	0.	0.	0.	0.	290.	-4563.	-236.	0.	0.-1353.	0.	0.	0.	6233.	0.	0.	-57160.2	57160.2	-0.02
233	50869.	0.	-51213.	-132.	0.	125.	0.	0.	0.	0.	0.	273.	-4529.	-235.	0.	0.-1353.	0.	0.	0.	6196.	0.	0.	-57462.5	57462.4	-0.02
234	51213.	0.	-51538.	-125.	0.	117.	0.	0.	0.	0.	0.	257.	-4496.	-235.	0.	0.-1353.	0.	0.	0.	6159.	0.	0.	-57746.5	57746.4	-0.04
235	51538.	0.	-51844.	-117.	0.	110.	0.	0.	0.	0.	0.	242.	-4464.	-234.	0.	0.-1353.	0.	0.	0.	6122.	0.	0.	-58012.2	58012.2	-0.02
236	51844.	0.	-52131.	-110.	0.	103.	0.	0.	0.	0.	0.	228.	-4433.	-233.	0.	0.-1353.	0.	0.	0.	6085.	0.	0.	-58259.7	58259.6	-0.02
237	52131.	0.	-52398.	-103.	0.	95.	0.	0.	0.	0.	0.	215.	-4403.	-232.	0.	0.-1353.	0.	0.	0.	6048.	0.	0.	-58488.7	58488.7	-0.03
238	52398.	0.	-52646.	-95.	0.	88.	0.	0.	0.	0.	0.	203.	-4374.	-232.	0.	0.-1353.	0.	0.	0.	6011.	0.	0.	-58699.6	58699.6	-0.02
239	52646.	0.	-52875.	-88.	0.	81.	0.	0.	0.	0.	0.	192.	-4346.	-231.	0.	0.-1353.	0.	0.	0.	5974.	0.	0.	-58892.3	58892.3	-0.02
240	52875.	0.	-53085.	-81.	0.	73.	0.	0.	0.	0.	0.	182.	-4318.	-230.	0.	0.-1353.	0.	0.	0.	5937.	0.	0.	-59066.9	59066.8	-0.02
241	53085.	0.	-53277.	-73.	0.	66.	0.	0.	0.	0.	0.	172.	-4292.	-229.	0.	0.-1353.	0.	0.	0.	5900.	0.	0.	-59223.4	59223.4	-0.02
242	53277.	0.	-53449.	-66.	0.	59.	0.	0.	0.	0.	0.	164.	-4266.	-228.	0.	0.-1353.	0.	0.	0.	5863.	0.	0.	-59362.0	59362.0	-0.02
243	53449.	0.	-53603.	-59.	0.	52.	0.	0.	0.	0.	0.	156.	-4241.	-228.	0.	0.-1353.	0.	0.	0.	5826.	0.	0.	-59482.8	59482.8	-0.02

244	53603.	0.	-53738.	-52.	0.	45.	0.	0.	0.	0.	0.	150.	-4217.	-227.	0.	0.	-1352.	0.	0.	0.	5789.	0.	0.	-59586.0	59586.0	-0.02
245	53738.	0.	-53855.	-45.	0.	38.	0.	0.	0.	0.	0.	144.	-4193.	-226.	0.	0.	-1352.	0.	0.	0.	5752.	0.	0.	-59671.7	59671.6	-0.02
246	53855.	0.	-53954.	-38.	0.	31.	0.	0.	0.	0.	0.	139.	-4171.	-225.	0.	0.	-1352.	0.	0.	0.	5715.	0.	0.	-59740.0	59740.0	-0.02
247	53954.	0.	-54035.	-31.	0.	24.	0.	0.	0.	0.	0.	135.	-4149.	-224.	0.	0.	-1352.	0.	0.	0.	5678.	0.	0.	-59791.3	59791.2	-0.02
248	54035.	0.	-54098.	-24.	0.	18.	0.	0.	0.	0.	0.	132.	-4127.	-223.	0.	0.	-1352.	0.	0.	0.	5641.	0.	0.	-59825.6	59825.5	-0.03
249	54098.	0.	-54144.	-18.	0.	11.	0.	0.	0.	0.	0.	130.	-4106.	-223.	0.	0.	-1352.	0.	0.	0.	5604.	0.	0.	-59843.1	59843.1	-0.02
250	54144.	0.	-54173.	-11.	0.	4.	0.	0.	0.	0.	0.	129.	-4086.	-222.	0.	0.	-1352.	0.	0.	0.	5567.	0.	0.	-59844.1	59844.1	-0.03
251	54173.	0.	-54185.	-4.	0.	-2.	0.	0.	0.	0.	0.	128.	-4067.	-221.	0.	0.	-1352.	0.	0.	0.	5530.	0.	0.	-59830.7	59830.7	-0.02
252	54185.	0.	-54179.	2.	0.	-8.	0.	0.	0.	0.	0.	128.	-4048.	-220.	0.	0.	-1352.	0.	0.	0.	5493.	0.	0.	-59807.6	59807.6	-0.03
253	54179.	0.	-54158.	8.	0.	-15.	0.	0.	0.	0.	0.	129.	-4030.	-219.	0.	0.	-1352.	0.	0.	0.	5456.	0.	0.	-59772.9	59772.9	-0.02
254	54158.	0.	-54119.	15.	0.	-21.	0.	0.	0.	0.	0.	131.	-4012.	-219.	0.	0.	-1352.	0.	0.	0.	5419.	0.	0.	-59722.3	59722.3	-0.02
255	54119.	0.	-54065.	21.	0.	-27.	0.	0.	0.	0.	0.	134.	-3995.	-218.	0.	0.	-1352.	0.	0.	0.	5382.	0.	0.	-59656.2	59656.1	-0.02
256	54065.	0.	-53995.	27.	0.	-33.	0.	0.	0.	0.	0.	138.	-3978.	-217.	0.	0.	-1352.	0.	0.	0.	5345.	0.	0.	-59574.6	59574.6	-0.02
257	53995.	0.	-53910.	33.	0.	-39.	0.	0.	0.	0.	0.	142.	-3962.	-216.	0.	0.	-1352.	0.	0.	0.	5308.	0.	0.	-59477.9	59477.9	-0.03
258	53910.	0.	-53809.	39.	0.	-44.	0.	0.	0.	0.	0.	147.	-3946.	-215.	0.	0.	-1351.	0.	0.	0.	5271.	0.	0.	-59366.3	59366.3	-0.02
259	53809.	0.	-53693.	44.	0.	-50.	0.	0.	0.	0.	0.	152.	-3931.	-215.	0.	0.	-1351.	0.	0.	0.	5234.	0.	0.	-59240.1	59240.1	-0.04
260	53693.	0.	-53563.	50.	0.	-56.	0.	0.	0.	0.	0.	159.	-3916.	-214.	0.	0.	-1351.	0.	0.	0.	5197.	0.	0.	-59099.5	59099.5	-0.02
261	53563.	0.	-53418.	56.	0.	-61.	0.	0.	0.	0.	0.	166.	-3902.	-213.	0.	0.	-1351.	0.	0.	0.	5160.	0.	0.	-58944.8	58944.8	-0.03
262	53418.	0.	-53258.	61.	0.	-67.	0.	0.	0.	0.	0.	174.	-3888.	-212.	0.	0.	-1351.	0.	0.	0.	5123.	0.	0.	-58776.2	58776.2	-0.03
263	53258.	0.	-53084.	67.	0.	-73.	0.	0.	0.	0.	0.	183.	-3874.	-212.	0.	0.	-1351.	0.	0.	0.	5086.	0.	0.	-58593.8	58593.8	-0.02
264	53084.	0.	-52901.	73.	0.	-77.	0.	0.	0.	4.	0.	192.	-3862.	-212.	0.	0.	-1351.	0.	0.	0.	5049.	0.	0.	-58401.9	58401.9	-0.01
265	52901.	0.	-52699.	77.	0.	-82.	0.	0.	0.	0.	0.	202.	-3849.	-211.	0.	0.	-1351.	0.	0.	0.	5012.	0.	0.	-58192.0	58192.0	-0.03
266	52699.	0.	-52485.	82.	0.	-87.	0.	0.	0.	0.	0.	212.	-3837.	-210.	0.	0.	-1351.	0.	0.	0.	4975.	0.	0.	-57969.4	57969.3	-0.02
267	52485.	0.	-52258.	87.	0.	-92.	0.	0.	0.	0.	0.	224.	-3825.	-209.	0.	0.	-1351.	0.	0.	0.	4939.	0.	0.	-57734.1	57734.1	-0.03
268	52258.	0.	-52018.	92.	0.	-97.	0.	0.	0.	0.	0.	235.	-3813.	-208.	0.	0.	-1351.	0.	0.	0.	4902.	0.	0.	-57486.6	57486.6	-0.02
269	52018.	0.	-51766.	97.	0.	-101.	0.	0.	0.	0.	0.	248.	-3802.	-207.	0.	0.	-1351.	0.	0.	0.	4865.	0.	0.	-57227.0	57227.0	-0.01
270	51766.	0.	-51501.	101.	0.	-106.	0.	0.	0.	0.	0.	261.	-3791.	-207.	0.	0.	-1351.	0.	0.	0.	4828.	0.	0.	-56955.6	56955.6	-0.01
271	51501.	0.	-51225.	106.	0.	-110.	0.	0.	0.	0.	0.	274.	-3781.	-206.	0.	0.	-1350.	0.	0.	0.	4791.	0.	0.	-56672.6	56672.6	-0.02
272	51225.	0.	-50938.	110.	0.	-115.	0.	0.	0.	0.	0.	289.	-3770.	-205.	0.	0.	-1350.	0.	0.	0.	4754.	0.	0.	-56378.3	56378.2	-0.01
273	50938.	0.	-50639.	115.	0.	-119.	0.	0.	0.	0.	0.	303.	-3760.	-204.	0.	0.	-1350.	0.	0.	0.	4717.	0.	0.	-56072.8	56072.8	-0.02
274	50639.	0.	-50329.	119.	0.	-123.	0.	0.	0.	0.	0.	319.	-3751.	-203.	0.	0.	-1350.	0.	0.	0.	4680.	0.	0.	-55756.5	55756.5	-0.02
275	50329.	0.	-50008.	123.	0.	-127.	0.	0.	0.	0.	0.	334.	-3742.	-203.	0.	0.	-1350.	0.	0.	0.	4643.	0.	0.	-55429.5	55429.5	-0.02
276	50008.	0.	-49676.	127.	0.	-131.	0.	0.	0.	0.	0.	351.	-3733.	-202.	0.	0.	-1350.	0.	0.	0.	4606.	0.	0.	-55092.1	55092.1	-0.02
277	49676.	0.	-49334.	131.	0.	-135.	0.	0.	0.	0.	0.	368.	-3724.	-201.	0.	0.	-1350.	0.	0.	0.	4569.	0.	0.	-54744.6	54744.5	-0.02
278	49334.	0.	-48982.	135.	0.	-139.	0.	0.	0.	0.	0.	385.	-3715.	-200.	0.	0.	-1350.	0.	0.	0.	4533.	0.	0.	-54387.0	54387.0	-0.01

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

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
279	48982.	0.	-48621.	139.	0.	-143.	0.	0.	0.	0.	0.	403.	-3707.	-200.	0.	0.	-1350.	0.	0.	0.	4496.	0.	0.	-54019.7	54019.7	-0.02
280	48621.	0.	-48249.	143.	0.	-146.	0.	0.	0.	0.	0.	421.	-3699.	-199.	0.	0.	-1350.	0.	0.	0.	4459.	0.	0.	-53642.8	53642.8	-0.01
281	48249.	0.	-47868.	146.	0.	-150.	0.	0.	0.	0.	0.	440.	-3691.	-198.	0.	0.	-1350.	0.	0.	0.	4422.	0.	0.	-53256.7	53256.7	-0.02
282	47868.	0.	-47477.	150.	0.	-153.	0.	0.	0.	0.	0.	459.	-3684.	-197.	0.	0.	-1350.	0.	0.	0.	4385.	0.	0.	-52861.4	52861.4	-0.01
283	47477.	0.	-47078.	153.	0.	-157.	0.	0.	0.	0.	0.	479.	-3677.	-196.	0.	0.	-1350.	0.	0.	0.	4348.	0.	0.	-52457.3	52457.3	-0.01
284	47078.	0.	-46670.	157.	0.	-160.	0.	0.	0.	0.	0.	499.	-3670.	-196.	0.	0.	-1350.	0.	0.	0.	4311.	0.	0.	-52044.4	52044.4	-0.01
285	46670.	0.	-46253.	160.	0.	-163.	0.	0.	0.	0.	0.	519.	-3663.	-195.	0.	0.	-1349.	0.	0.	0.	4274.	0.	0.	-51623.1	51623.1	-0.02
286	46253.	0.	-45827.	163.	0.	-166.	0.	0.	0.	0.	0.	540.	-3656.	-194.	0.	0.	-1349.	0.	0.	0.	4237.	0.	0.	-51193.5	51193.5	-0.01
287	45827.	0.	-45394.	166.	0.	-170.	0.	0.	0.	0.	0.	561.	-3650.	-193.	0.	0.	-1349.	0.	0.	0.	4201.	0.	0.	-50755.8	50755.8	-0.02
288	45394.	0.	-44952.	170.	0.	-173.	0.	0.	0.	0.	0.	583.	-3643.	-193.	0.	0.	-1349.	0.	0.	0.	4164.	0.	0.	-50310.2	50310.2	0.00
289	44952.	0.	-44503.	173.	0.	-175.	0.	0.	0.	0.	0.	605.	-3637.	-192.	0.	0.	-1349.	0.	0.	0.	4127.	0.	0.	-49856.9	49856.9	-0.01
290	44503.	0.	-44046.	175.	0.	-178.	0.	0.	0.	0.	0.	628.	-3632.	-191.	0.	0.	-1349.	0.	0.	0.	4090.	0.	0.	-49396.1	49396.1	0.00

291	44046.	0.	-43582.	178.	0.	-181.	0.	0.	0.	0.	0.	650.	-3626.	-190.	0.	0.	-1349.	0.	0.	0.	4053.	0.	0.	-48927.9	48927.9	-0.02
292	43582.	0.	-43111.	181.	0.	-183.	0.	0.	0.	0.	0.	674.	-3620.	-190.	0.	0.	-1349.	0.	0.	0.	4016.	0.	0.	-48452.5	48452.5	-0.01
293	43111.	0.	-42634.	183.	0.	-183.	0.	0.	0.	0.	0.	697.	-3615.	-189.	0.	0.	-1349.	0.	0.	0.	3979.	0.	0.	-47970.1	47970.1	0.00
294	42634.	0.	-42157.	183.	0.	-177.	0.	0.	0.	0.	0.	721.	-3610.	-188.	0.	0.	-1349.	0.	0.	0.	3943.	0.	0.	-47480.5	47480.5	-0.01
295	42157.	0.	-41695.	177.	0.	-147.	0.	0.	0.	0.	0.	743.	-3605.	-187.	0.	0.	-1349.	0.	0.	0.	3906.	0.	0.	-46982.8	46982.8	-0.01
296	41695.	0.	-41311.	147.	0.	-27.	0.	0.	0.	0.	0.	762.	-3599.	-187.	0.	0.	-1349.	0.	0.	0.	3869.	0.	0.	-46473.1	46473.1	0.00
297	41311.	0.	-41194.	27.	0.	-12.	0.	0.	0.	0.	0.	144.	-767.	-32.	0.	0.	-118.	0.	0.	0.	640.	0.	0.	-42123.1	42123.1	0.00
298	41194.	0.	-41044.	12.	0.	-14.	0.	0.	0.	0.	0.	146.	-763.	-32.	0.	0.	-117.	0.	0.	0.	617.	0.	0.	-41968.9	41968.9	0.00
299	41044.	0.	-40878.	14.	0.	-15.	0.	0.	0.	0.	0.	148.	-758.	-32.	0.	0.	-117.	0.	0.	0.	593.	0.	0.	-41798.7	41798.7	0.00
300	40878.	0.	-40696.	15.	0.	-16.	0.	0.	0.	0.	0.	150.	-753.	-31.	0.	0.	-116.	0.	0.	0.	570.	0.	0.	-41612.6	41612.6	0.00
301	40696.	0.	-40498.	16.	0.	-18.	0.	0.	0.	0.	0.	152.	-748.	-31.	0.	0.	-116.	0.	0.	0.	547.	0.	0.	-41410.8	41410.8	0.00
302	40498.	0.	-40285.	18.	0.	-19.	0.	0.	0.	0.	0.	154.	-744.	-31.	0.	0.	-115.	0.	0.	0.	524.	0.	0.	-41193.6	41193.6	0.00
303	40285.	0.	-40056.	19.	0.	-20.	0.	0.	0.	0.	0.	157.	-739.	-31.	0.	0.	-115.	0.	0.	0.	501.	0.	0.	-40961.1	40961.1	0.00
304	40056.	0.	-39813.	20.	0.	-21.	0.	0.	0.	0.	0.	160.	-734.	-31.	0.	0.	-115.	0.	0.	0.	478.	0.	0.	-40713.6	40713.6	0.01
305	39813.	0.	-39554.	21.	0.	-22.	0.	0.	0.	0.	0.	162.	-730.	-30.	0.	0.	-114.	0.	0.	0.	455.	0.	0.	-40451.3	40451.3	-0.01
306	39554.	0.	-39281.	22.	0.	-24.	0.	0.	0.	0.	0.	165.	-725.	-30.	0.	0.	-114.	0.	0.	0.	432.	0.	0.	-40174.3	40174.3	0.00
307	39281.	0.	-38994.	24.	0.	-25.	0.	0.	0.	0.	0.	168.	-721.	-30.	0.	0.	-113.	0.	0.	0.	410.	0.	0.	-39882.8	39882.8	0.00
308	38994.	0.	-38692.	25.	0.	-26.	0.	0.	0.	0.	0.	171.	-717.	-30.	0.	0.	-113.	0.	0.	0.	387.	0.	0.	-39577.1	39577.1	0.00
309	38692.	0.	-38376.	26.	0.	-27.	0.	0.	0.	0.	0.	174.	-712.	-30.	0.	0.	-112.	0.	0.	0.	365.	0.	0.	-39257.3	39257.3	0.00
310	38376.	0.	-38046.	27.	0.	-28.	0.	0.	0.	0.	0.	178.	-708.	-29.	0.	0.	-112.	0.	0.	0.	343.	0.	0.	-38923.7	38923.7	0.00
311	38046.	0.	-37702.	28.	0.	-29.	0.	0.	0.	0.	0.	181.	-704.	-29.	0.	0.	-112.	0.	0.	0.	321.	0.	0.	-38576.3	38576.3	0.00
312	37702.	0.	-37345.	29.	0.	-31.	0.	0.	0.	0.	0.	185.	-700.	-29.	0.	0.	-111.	0.	0.	0.	299.	0.	0.	-38215.5	38215.5	0.00
313	37345.	0.	-36975.	31.	0.	-32.	0.	0.	0.	0.	0.	188.	-695.	-29.	0.	0.	-111.	0.	0.	0.	277.	0.	0.	-37841.4	37841.3	-0.01
314	36975.	0.	-36591.	32.	0.	-33.	0.	0.	0.	0.	0.	192.	-691.	-29.	0.	0.	-110.	0.	0.	0.	256.	0.	0.	-37454.1	37454.1	0.00
315	36591.	0.	-36194.	33.	0.	-34.	0.	0.	0.	0.	0.	196.	-687.	-29.	0.	0.	-110.	0.	0.	0.	234.	0.	0.	-37053.8	37053.8	0.01
316	36194.	0.	-35785.	34.	0.	-35.	0.	0.	0.	0.	0.	200.	-683.	-28.	0.	0.	-110.	0.	0.	0.	213.	0.	0.	-36640.8	36640.8	0.00
317	35785.	0.	-35363.	35.	0.	-36.	0.	0.	0.	0.	0.	204.	-679.	-28.	0.	0.	-109.	0.	0.	0.	191.	0.	0.	-36215.2	36215.2	-0.01
318	35363.	0.	-34928.	36.	0.	-37.	0.	0.	0.	0.	0.	209.	-675.	-28.	0.	0.	-109.	0.	0.	0.	170.	0.	0.	-35777.2	35777.2	0.01
319	34928.	0.	-34482.	37.	0.	-38.	0.	0.	0.	0.	0.	213.	-671.	-28.	0.	0.	-108.	0.	0.	0.	149.	0.	0.	-35326.9	35326.9	-0.01
320	34482.	0.	-34023.	38.	0.	-39.	0.	0.	0.	0.	0.	217.	-668.	-28.	0.	0.	-108.	0.	0.	0.	128.	0.	0.	-34864.6	34864.6	0.00
321	34023.	0.	-33552.	39.	0.	-40.	0.	0.	0.	0.	0.	222.	-664.	-27.	0.	0.	-108.	0.	0.	0.	107.	0.	0.	-34390.3	34390.3	0.01
322	33552.	0.	-33070.	40.	0.	-40.	0.	0.	0.	0.	0.	226.	-660.	-27.	0.	0.	-107.	0.	0.	0.	86.	0.	0.	-33904.3	33904.3	0.00
323	33070.	0.	-32579.	40.	0.	-38.	0.	0.	0.	0.	0.	231.	-656.	-27.	0.	0.	-107.	0.	0.	0.	66.	0.	0.	-33406.8	33406.8	0.00
324	32579.	0.	-32114.	38.	0.	-3.	0.	0.	0.	0.	0.	236.	-647.	-27.	0.	0.	-106.	0.	0.	0.	45.	0.	0.	-32897.8	32897.8	0.00
325	32114.	0.	-32073.	3.	0.	404.	0.	0.	0.	0.	0.	236.	-577.	-27.	0.	0.	-106.	0.	0.	0.	25.	0.	0.	-32782.1	32782.1	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Fourmile Bayou Oxbow

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
56	5170.	0.	-5070.	0.	0.	-7.	0.	0.	0.	0.	0.	3.	-221.	-6.	0.	0.	-63.	0.	0.	0.	192.	0.	0.	-5365.6	5365.6	0.00
57	5070.	0.	-4974.	7.	0.	-7.	0.	0.	0.	0.	0.	4.	-220.	-5.	0.	0.	-62.	0.	0.	0.	189.	0.	0.	-5270.1	5270.1	0.00
58	4974.	0.	-4877.	7.	0.	-7.	0.	0.	0.	0.	0.	5.	-220.	-5.	0.	0.	-62.	0.	0.	0.	185.	0.	0.	-5172.4	5172.4	0.00
59	4877.	0.	-4777.	7.	0.	-8.	0.	0.	0.	0.	0.	6.	-220.	-5.	0.	0.	-62.	0.	0.	0.	182.	0.	0.	-5072.6	5072.6	0.00
60	4777.	0.	-4675.	8.	0.	-8.	0.	0.	0.	0.	0.	7.	-220.	-5.	0.	0.	-62.	0.	0.	0.	179.	0.	0.	-4970.6	4970.6	0.00
61	4675.	0.	-4571.	8.	0.	-8.	0.	0.	0.	0.	0.	8.	-220.	-5.	0.	0.	-62.	0.	0.	0.	175.	0.	0.	-4866.6	4866.6	0.00
62	4571.	0.	-4465.	8.	0.	-8.	0.	0.	0.	0.	0.	10.	-220.	-5.	0.	0.	-62.	0.	0.	0.	172.	0.	0.	-4760.4	4760.4	0.00
63	4465.	0.	-4357.	8.	0.	-8.	0.	0.	0.	0.	0.	11.	-220.	-5.	0.	0.	-62.	0.	0.	0.	169.	0.	0.	-4652.3	4652.3	0.00
64	4357.	0.	-4247.	8.	0.	-8.	0.	0.	0.	0.	0.	12.	-220.	-5.	0.	0.	-62.	0.	0.	0.	165.	0.	0.	-4542.1	4542.1	0.00
65	4247.	0.	-4135.	8.	0.	-8.	0.	0.	0.	0.	0.	13.	-220.	-5.	0.	0.	-62.	0.	0.	0.	162.	0.	0.	-4429.9	4429.9	0.00
66	4135.	0.	-4020.	8.	0.	-9.	0.	0.	0.	0.	0.	14.	-220.	-5.	0.	0.	-62.	0.	0.	0.	159.	0.	0.	-4315.8	4315.8	0.00
67	4020.	0.	-3904.	9.	0.	-9.	0.	0.	0.	0.	0.	15.	-220.	-5.	0.	0.	-62.	0.	0.	0.	155.	0.	0.	-4199.7	4199.7	0.00

68	3904.	0.	-3786.	9.	0.	-9.	0.	0.	0.	0.	0.	17.	-220.	-5.	0.	0.	-61.	0.	0.	0.	152.	0.	0.	-4081.8	4081.8	0.00
69	3786.	0.	-3667.	9.	0.	-9.	0.	0.	0.	0.	0.	18.	-220.	-5.	0.	0.	-61.	0.	0.	0.	149.	0.	0.	-3961.9	3961.9	0.00
70	3667.	0.	-3545.	9.	0.	-9.	0.	0.	0.	0.	0.	19.	-220.	-5.	0.	0.	-61.	0.	0.	0.	145.	0.	0.	-3840.2	3840.2	0.00
71	3545.	0.	-3421.	9.	0.	-9.	0.	0.	0.	0.	0.	20.	-220.	-5.	0.	0.	-61.	0.	0.	0.	142.	0.	0.	-3716.6	3716.6	0.00
72	3421.	0.	-3296.	9.	0.	-9.	0.	0.	0.	0.	0.	22.	-220.	-5.	0.	0.	-61.	0.	0.	0.	139.	0.	0.	-3591.2	3591.2	0.00
73	3296.	0.	-3169.	9.	0.	-10.	0.	0.	0.	0.	0.	23.	-220.	-5.	0.	0.	-61.	0.	0.	0.	136.	0.	0.	-3464.0	3464.0	0.00
74	3169.	0.	-3040.	10.	0.	-10.	0.	0.	0.	0.	0.	24.	-220.	-5.	0.	0.	-61.	0.	0.	0.	132.	0.	0.	-3335.1	3335.1	0.00
75	3040.	0.	-2909.	10.	0.	-10.	0.	0.	0.	0.	0.	26.	-220.	-5.	0.	0.	-61.	0.	0.	0.	129.	0.	0.	-3204.5	3204.5	0.00
76	2909.	0.	-2777.	10.	0.	-10.	0.	0.	0.	0.	0.	27.	-220.	-5.	0.	0.	-61.	0.	0.	0.	126.	0.	0.	-3072.1	3072.1	0.00
77	2777.	0.	-2643.	10.	0.	-10.	0.	0.	0.	0.	0.	28.	-220.	-4.	0.	0.	-61.	0.	0.	0.	123.	0.	0.	-2938.0	2938.0	0.00
78	2643.	0.	-2508.	10.	0.	-10.	0.	0.	0.	0.	0.	30.	-220.	-4.	0.	0.	-61.	0.	0.	0.	119.	0.	0.	-2802.3	2802.3	0.00
79	2508.	0.	-2370.	10.	0.	-10.	0.	0.	0.	0.	0.	31.	-220.	-4.	0.	0.	-60.	0.	0.	0.	116.	0.	0.	-2665.0	2665.0	0.00
80	2370.	0.	-2231.	10.	0.	-10.	0.	0.	0.	0.	0.	33.	-220.	-4.	0.	0.	-60.	0.	0.	0.	113.	0.	0.	-2526.0	2526.0	0.00
81	2231.	0.	-2091.	10.	0.	-11.	0.	0.	0.	0.	0.	34.	-220.	-4.	0.	0.	-60.	0.	0.	0.	110.	0.	0.	-2385.5	2385.5	0.00
82	2091.	0.	-1949.	11.	0.	-11.	0.	0.	0.	0.	0.	36.	-220.	-4.	0.	0.	-60.	0.	0.	0.	106.	0.	0.	-2243.4	2243.4	0.00
83	1949.	0.	-1806.	11.	0.	-11.	0.	0.	0.	0.	0.	37.	-219.	-4.	0.	0.	-60.	0.	0.	0.	103.	0.	0.	-2099.8	2099.8	0.00
84	1806.	0.	-1661.	11.	0.	-11.	0.	0.	0.	0.	0.	38.	-219.	-4.	0.	0.	-60.	0.	0.	0.	100.	0.	0.	-1954.7	1954.7	0.00
85	1661.	0.	-1517.	11.	0.	-9.	0.	0.	0.	0.	0.	40.	-219.	-4.	0.	0.	-60.	0.	0.	0.	97.	0.	0.	-1808.2	1808.2	-0.01
86	1517.	0.	-1394.	9.	0.	-8.	0.	0.	0.	0.	0.	41.	-201.	-3.	0.	0.	-55.	0.	0.	0.	94.	0.	0.	-1660.6	1660.7	0.01
87	1394.	0.	-1289.	8.	0.	-7.	0.	0.	0.	0.	0.	42.	-186.	-2.	0.	0.	-51.	0.	0.	0.	90.	0.	0.	-1534.4	1534.4	0.01
88	1289.	0.	-1198.	7.	0.	-6.	0.	0.	0.	0.	0.	43.	-174.	-2.	0.	0.	-47.	0.	0.	0.	87.	0.	0.	-1425.7	1425.7	0.00
89	1198.	0.	-1119.	6.	0.	-5.	0.	0.	0.	0.	0.	44.	-163.	-1.	0.	0.	-44.	0.	0.	0.	84.	0.	0.	-1331.7	1331.6	-0.02
90	1119.	0.	-1050.	5.	0.	-4.	0.	0.	0.	0.	0.	45.	-153.	-1.	0.	0.	-41.	0.	0.	0.	81.	0.	0.	-1249.7	1249.6	-0.03
91	1050.	0.	-990.	4.	0.	-4.	0.	0.	0.	0.	0.	45.	-145.	-1.	0.	0.	-39.	0.	0.	0.	78.	0.	0.	-1177.7	1177.6	-0.04
92	990.	0.	-936.	4.	0.	-4.	0.	0.	0.	0.	0.	46.	-137.	-1.	0.	0.	-36.	0.	0.	0.	75.	0.	0.	-1114.1	1114.0	-0.04
93	936.	0.	-888.	4.	0.	-3.	0.	0.	0.	0.	0.	46.	-131.	-1.	0.	0.	-35.	0.	0.	0.	71.	0.	0.	-1057.4	1057.3	-0.03
94	888.	0.	-845.	3.	0.	-3.	0.	0.	0.	0.	0.	47.	-125.	0.	0.	0.	-33.	0.	0.	0.	68.	0.	0.	-1006.5	1006.5	-0.02
95	845.	0.	-807.	3.	0.	-2.	0.	0.	0.	0.	0.	47.	-120.	0.	0.	0.	-31.	0.	0.	0.	65.	0.	0.	-960.4	960.4	0.00
96	807.	0.	-785.	2.	0.	15.	0.	0.	0.	0.	0.	47.	-117.	0.	0.	0.	-30.	0.	0.	0.	62.	0.	0.	-932.7	932.8	0.04
97	785.	0.	-982.	-15.	0.	291.	0.	0.	0.	0.	0.	45.	-145.	-1.	0.	0.	-38.	0.	0.	0.	59.	0.	0.	-1180.4	1180.4	-0.06

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model
INPUT/OUTPUT LOADING SUMMARY

	FLOW	DO	BOD#1	BOD#2	ORG-N	NH3-N	NO3-N	PHOS	CHL A	NCM
	m^3/s	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d		
HEADWATER FLOW	69.500	40308.2	142633.4	0.0	9683.7	600.5	240.2	0.0	0.0	0.0
INCREMENTAL INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	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	30.113	19770.3	43730.1	0.0	6243.7	265.1	522.3	0.0	0.0	0.0
WITHDRAWLS	-8.800	-5004.8	-17944.8	0.0	-1302.5	-70.4	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	-90.813	-32072.7	-92134.0	0.0	-12547.8	-782.6	0.0	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		403.6	-11620.5	0.0	-2066.6	0.3	1421.5	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	702998.5	0.0	7150.0					0.0
NATURAL REAERATION		98789.0								
DAM REAERATION		0.0								
BACKGROUND SOD		-204613.5								
BOD#1 DECAY		-767664.4	-767664.4							
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			-7160.5	7160.5				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-31061.3				-7173.5	7173.5			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		881144.9				0.0	-44057.3	0.0	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	99.613	1040415.9	889362.0	0.0	23077.4	8026.3	9357.5	0.0	0.0	0.0
TOTAL OUTPUTS	-99.613	-1040416.6	-889363.7	0.0	-23077.4	-8026.5	-44057.3	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-0.7	-1.7	0.0	0.0	-0.2	-34699.8	0.0	0.0	0.0

.....EXECUTION COMPLETED

Calibration output file for subsegment 120604

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LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\0608 MT\0608 MT - Blue\Cal\Blue_Calib_0608.txt
Output produced at 09:48 on 06/22/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL calibration for Bayou Blue
TITLE02        FTN Field Survey calibration
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                    <Warning: legacy control - line ignored>
ENDATA01
$$$ DATA TYPE 2 (MODEL OPTIONS) $$$
CARD TYPE      MODEL OPTION
MODOPT01   NO   TEMP
MODOPT02   NO   SALI
MODOPT03   NO   CONSERVATIVE MATERIAL
MODOPT04   NO   CONSERVATIVE MATERIAL II
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07  YES   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12   NO   NONC
ENDATA02
$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        MAXIMUM ITERATION LIMIT           =      500.00000
PROGRAM        ALGAE OXYGEN PROD                 =        0.02600 mg O/ug chl a/day
PROGRAM        WIND                              =        1.30000 meters/sec
PROGRAM        TIDE  HEIGHT                      =        0.80000 meters
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
ENDATA03
$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
 CARD TYPE    RATE CODE     THETA VALUE
THETA       NH3 DECA       1.07000
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
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$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA07
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                        BEGIN       END    ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                          km         km      km      km            NUM    NUM
REACH ID     1   BB  BayouBlue#1                    20.20  TO   3.70  0.1000   16.50    165      1   165
REACH ID     2   IC  ICWWtoBlue                     1.40  TO   0.00  0.1000    1.40     14    166   179
REACH ID     3   BB  BayouBlue#2                    3.70  TO   0.00  0.1000    3.70     37    180   216
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID      WIDTH      WIDTH      WIDTH      DEPTH      DEPTH      DEPTH     SLOPE   MANNINGS
                  "A"       "B"       "C"       "D"       "E"       "F"              "N"
HYDR-1       1   BB      0.000      0.000     10.000      0.000      0.000      0.500    0.00000   0.000
HYDR-1       2   IC      0.000      0.000     44.000      0.000      0.000      1.400    0.00000   0.000
HYDR-1       3   BB      0.000      0.000     65.500      0.000      0.000      0.900    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"
HYDR         1   BB     0.00       0.500        0.000        0.000        0.000
HYDR         2   IC     0.00       0.500        0.000        0.000        0.000
HYDR         3   BB     0.00       0.500        0.000        0.000        0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE     REACH  ID       TEMP     SALIN       DO      NH3     NO3+2     PHOS     CHL A     MACRO
INITIAL         1   BB      31.20      0.00     3.00     0.10      0.00      0.00     20.00      0.00
INITIAL         2   IC      32.00      0.00     3.00     0.11      0.00      0.00     20.00      0.00
INITIAL         3   BB      32.00      0.00     3.00     0.11      0.00      0.00     20.00      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/m²/d   per day     m/d          per day   per day     m/d          per day
COEFF-1   1   BB   3 OCONNER-DOBB   0.000    0.000    0.000    0.500    0.150    0.000    1.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   2   IC   3 OCONNER-DOBB   0.000    0.000    0.000    0.700    0.150    0.000    1.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3   BB   3 OCONNER-DOBB   0.000    0.000    0.000    0.500    0.150    0.000    1.000    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   BB     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2         2   IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2         3   BB     0.020    0.000    1.000    0.130    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
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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  BB      0.00000    0.05000    30.90     0.00     0.00     0.00  0.00303  0.00000
INCR-1          2  IC      0.00000    0.00000    30.90     0.00     0.00     0.00  0.00000  0.00000
INCR-1          3  BB      0.00000    0.00000    30.90     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  BB      4.32     4.90     1.20     0.11     0.00     0.00
INCR-2          2  IC      4.32     4.90     1.20     0.11     0.00     0.00
INCR-2          3  BB      4.32     4.90     1.20     0.11     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  BB     240.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        2  IC     240.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        3  BB     700.00     0.00     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
                                          m³/s     cfs   deg C     ppt
HDWTR-1        1    BayouBlue#1          0  0.39600  13.983  31.20     0.00    0.000    0.000   0.00
HDWTR-1      166    ICWWtoBlue           0  0.39600  13.983  32.00     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    BayouBlue#1             4.32     4.90     1.20     0.11     0.00     0.00
HDWTR-2      166    ICWWtoBlue              3.33     3.93     1.14     0.12     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   UPSTRM    RIVER     NAME
         ELEMENT  ELEMENT    KILOM
JUNCTION      180     165      3.70    ICWWtoBlue
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT    RKILO  NAME                FLOW     FLOW     FLOW    TEMP    SALIN     CM-I    CM-II
                                            m³/s      cfs     MGD   deg C     ppt
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WSTLD-1      63     14.00  toICWW            -0.39638  -13.99647   -9.047   31.20     0.00     0.000     0.000
WSTLD-1     119      8.40  LAG541539           0.00020    0.00706    0.005   31.20     0.00     0.000     0.000
WSTLD-1     119      8.40  LA0084077           0.00017    0.00600    0.004   31.20     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       63    toICWW                 0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
WSTLD-2      119    LAG541539              5.00    69.00     0.00     1.40     1.50     0.00     0.00     0.00
WSTLD-2      119    LA0084077              5.00   103.50     0.00     1.40     1.50     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
                                        mg/L     mg/L     mg/L     mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                  CONCENTRATION
LOWER BC     TEMPERATURE                        31.400     deg C
LOWER BC     SALINITY                        0.000     ppt
LOWER BC     CONSERVATIVE MATERIAL I                0.000
LOWER BC     CONSERVATIVE MATERIAL II               0.000
LOWER BC     DISSOLVED OXYGEN                     4.850     mg/L
LOWER BC     BIOCHEMICAL OXYGEN DEMAND                4.030     mg/L
LOWER BC     ORGANIC NITROGEN                     0.000     mg/L
LOWER BC     AMMONIA NITROGEN                     0.100     mg/L
LOWER BC     NITRATE + NITRITE                    0.320     mg/L
LOWER BC     PHOSPHORUS                           0.000     mg/L
LOWER BC     CHLOROPHYLL A                       20.000     µg/L
LOWER BC     COLIFORM                         0.000     #/100 mL
LOWER BC     NONCONSERVATIVE MATERIAL               0.000
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 =  2
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH  1  3
NUMBER OF REACHES IN PLOT 2 =   1
PLOT RCH  2
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 Blue.ovl                    :BayouBlue (120604)
OVERLAY 2 ICWWtoBlue.ovl              :ICWWtoBlue
ENDATA31
    .....NO ERRORS DETECTED IN INPUT DATA
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    .....HYDRAULIC CALCULATIONS COMPLETED
    .....TRIDIAGONAL MATRIX TERMS INITIALIZED
    .....OXYGEN DEPENDENT RATES CONVERGENT IN   8 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
INTERMEDIATE REPORT
 Dissolved Oxygen                          LA-QUAL calibration for Bayou Blue
   mg/L                                    FTN Field Survey calibration
 ID  RCH  ELEM      +0      +1      +2      +3      +4      +5      +6      +7      +8      +9
 BB   1    1      4.46    4.58    4.69    4.80    4.90    5.00    5.09    5.18    5.26    5.34
 BB   1   11      5.41    5.48    5.54    5.60    5.66    5.72    5.77    5.82    5.86    5.91
 BB   1   21      5.95    5.99    6.02    6.06    6.09    6.12    6.15    6.18    6.20    6.23
 BB   1   31      6.25    6.27    6.29    6.31    6.33    6.35    6.36    6.38    6.39    6.41
 BB   1   41      6.42    6.43    6.44    6.45    6.46    6.47    6.48    6.49    6.49    6.50
 BB   1   51      6.51    6.51    6.52    6.52    6.53    6.53    6.54    6.54    6.55    6.55
 BB   1   61      6.55    6.55    6.52    6.25    6.05    5.90    5.78    5.68    5.61    5.55
 BB   1   71      5.50    5.45    5.42    5.39    5.36    5.34    5.31    5.29    5.28    5.26
 BB   1   81      5.25    5.23    5.22    5.21    5.20    5.19    5.18    5.17    5.16    5.16
 BB   1   91      5.15    5.14    5.14    5.13    5.13    5.12    5.12    5.11    5.11    5.10
 BB   1  101      5.10    5.10    5.09    5.09    5.09    5.08    5.08    5.08    5.08    5.07
 BB   1  111      5.07    5.07    5.07    5.06    5.06    5.06    5.05    5.04    5.02    5.00
 BB   1  121      4.99    4.98    4.98    4.97    4.97    4.97    4.97    4.97    4.97    4.97
 BB   1  131      4.97    4.97    4.97    4.97    4.97    4.97    4.97    4.98    4.98    4.98
 BB   1  141      4.98    4.98    4.98    4.98    4.98    4.98    4.98    4.98    4.98    4.98
 BB   1  151      4.98    4.98    4.99    4.99    4.99    4.99    4.99    4.99    4.99    4.99
 BB   1  161      4.98    4.98    4.95    4.85    4.47
 BB   3  180      4.24    4.30    4.35    4.39    4.42    4.44    4.46    4.46    4.47    4.47
 BB   3  190      4.47    4.46    4.45    4.44    4.43    4.42    4.40    4.39    4.37    4.35
 BB   3  200      4.34    4.32    4.30    4.29    4.27    4.25    4.24    4.22    4.21    4.19
 BB   3  210      4.18    4.17    4.16    4.17    4.22    4.33    4.58
 IC   2  166      3.58    3.69    3.79    3.86    3.92    3.97    4.00    4.02    4.04    4.04
 IC   2  176      4.04    4.04    4.06    4.11
INTERMEDIATE REPORT
 Effective BOD                             LA-QUAL calibration for Bayou Blue
   mg/L                                    FTN Field Survey calibration
 ID  RCH  ELEM      +0      +1      +2      +3      +4      +5      +6      +7      +8      +9
 BB   1    1      4.93    4.95    4.97    5.00    5.02    5.05    5.07    5.09    5.12    5.14
 BB   1   11      5.16    5.19    5.21    5.23    5.25    5.28    5.30    5.32    5.34    5.37
 BB   1   21      5.39    5.41    5.43    5.45    5.47    5.50    5.52    5.54    5.56    5.58
 BB   1   31      5.60    5.62    5.64    5.66    5.68    5.70    5.72    5.74    5.76    5.78
 BB   1   41      5.80    5.82    5.84    5.86    5.88    5.90    5.92    5.94    5.96    5.98
 BB   1   51      6.00    6.01    6.03    6.05    6.07    6.09    6.11    6.12    6.14    6.16
 BB   1   61      6.18    6.20    6.23    6.55    6.84    7.11    7.35    7.57    7.77    7.95
 BB   1   71      8.12    8.28    8.42    8.55    8.67    8.78    8.88    8.98    9.06    9.14
 BB   1   81      9.22    9.29    9.35    9.41    9.46    9.51    9.56    9.60    9.64    9.68
 BB   1   91      9.71    9.74    9.77    9.80    9.83    9.85    9.87    9.89    9.91    9.93
 BB   1  101      9.95    9.96    9.98    9.99   10.01   10.02   10.03   10.04   10.05   10.06
 BB   1  111     10.07   10.07   10.08   10.09   10.11   10.14   10.22   10.39   10.81   10.78
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BB	1	121	10.76	10.73	10.71	10.69	10.66	10.64	10.62	10.61	10.59	10.57
BB	1	131	10.56	10.54	10.52	10.51	10.50	10.48	10.47	10.46	10.45	10.44
BB	1	141	10.43	10.42	10.41	10.40	10.39	10.38	10.37	10.36	10.35	10.35
BB	1	151	10.34	10.33	10.33	10.32	10.31	10.31	10.30	10.29	10.29	10.28
BB	1	161	10.26	10.21	10.06	9.64	8.34					
BB	3	180	7.71	7.88	8.05	8.21	8.37	8.52	8.66	8.80	8.93	9.06
BB	3	190	9.19	9.31	9.43	9.54	9.65	9.75	9.85	9.95	10.05	10.14
BB	3	200	10.23	10.31	10.39	10.47	10.55	10.62	10.70	10.76	10.83	10.89
BB	3	210	10.95	10.99	10.99	10.91	10.60	9.70	7.26			
IC	2	166	4.43	4.71	4.97	5.21	5.45	5.68	5.90	6.11	6.31	6.50
IC	2	176	6.69	6.89	7.11	7.39						

INTERMEDIATE REPORT

Biochemical Oxygen Demand — LA-QUAL calibration for Bayou Blue

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	4.93	4.95	4.97	5.00	5.02	5.05	5.07	5.09	5.12	5.14
BB	1	11	5.16	5.19	5.21	5.23	5.25	5.28	5.30	5.32	5.34	5.37
BB	1	21	5.39	5.41	5.43	5.45	5.47	5.50	5.52	5.54	5.56	5.58
BB	1	31	5.60	5.62	5.64	5.66	5.68	5.70	5.72	5.74	5.76	5.78
BB	1	41	5.80	5.82	5.84	5.86	5.88	5.90	5.92	5.94	5.96	5.98
BB	1	51	6.00	6.01	6.03	6.05	6.07	6.09	6.11	6.12	6.14	6.16
BB	1	61	6.18	6.20	6.23	6.55	6.84	7.11	7.35	7.57	7.77	7.95
BB	1	71	8.12	8.28	8.42	8.55	8.67	8.78	8.88	8.98	9.06	9.14
BB	1	81	9.22	9.29	9.35	9.41	9.46	9.51	9.56	9.60	9.64	9.68
BB	1	91	9.71	9.74	9.77	9.80	9.83	9.85	9.87	9.89	9.91	9.93
BB	1	101	9.95	9.96	9.98	9.99	10.01	10.02	10.03	10.04	10.05	10.06
BB	1	111	10.07	10.07	10.08	10.09	10.11	10.14	10.22	10.39	10.81	10.78
BB	1	121	10.76	10.73	10.71	10.69	10.66	10.64	10.62	10.61	10.59	10.57
BB	1	131	10.56	10.54	10.52	10.51	10.50	10.48	10.47	10.46	10.45	10.44
BB	1	141	10.43	10.42	10.41	10.40	10.39	10.38	10.37	10.36	10.35	10.35
BB	1	151	10.34	10.33	10.33	10.32	10.31	10.31	10.30	10.29	10.29	10.28
BB	1	161	10.26	10.21	10.06	9.64	8.34					
BB	3	180	7.71	7.88	8.05	8.21	8.37	8.52	8.66	8.80	8.93	9.06
BB	3	190	9.19	9.31	9.43	9.54	9.65	9.75	9.85	9.95	10.05	10.14
BB	3	200	10.23	10.31	10.39	10.47	10.55	10.62	10.70	10.76	10.83	10.89
BB	3	210	10.95	10.99	10.99	10.91	10.60	9.70	7.26			
IC	2	166	4.43	4.71	4.97	5.21	5.45	5.68	5.90	6.11	6.31	6.50
IC	2	176	6.69	6.89	7.11	7.39						

INTERMEDIATE REPORT

Organic Nitrogen — LA-QUAL calibration for Bayou Blue

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
BB	1	11	1.20	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
BB	1	21	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
BB	1	31	1.19	1.19	1.19	1.19	1.19	1.18	1.18	1.18	1.18	1.18
BB	1	41	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
BB	1	51	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
BB	1	61	1.17	1.17	1.17	1.17	1.16	1.15	1.14	1.14	1.13	1.12
BB	1	71	1.12	1.11	1.10	1.10	1.09	1.09	1.08	1.08	1.07	1.07

BB	1	81	1.06	1.06	1.05	1.05	1.05	1.04	1.04	1.03	1.03	1.03
BB	1	91	1.02	1.02	1.02	1.01	1.01	1.01	1.00	1.00	1.00	1.00
BB	1	101	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.97	0.97
BB	1	111	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.96	0.96
BB	1	121	0.95	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94
BB	1	131	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93
BB	1	141	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
BB	1	151	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
BB	1	161	0.91	0.91	0.92	0.94	1.01					
BB	3	180	1.04	1.04	1.04	1.03	1.03	1.02	1.02	1.02	1.01	1.01
BB	3	190	1.00	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.97	0.97
BB	3	200	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
BB	3	210	0.93	0.92	0.91	0.89	0.84	0.71	0.39			
IC	2	166	1.13	1.13	1.12	1.12	1.11	1.11	1.10	1.10	1.09	1.09
IC	2	176	1.08	1.07	1.07	1.06						

INTERMEDIATE REPORT

Ammonia Nitrogen — LA-QUAL calibration for Bayou Blue

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	21	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	31	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	41	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	51	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	61	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	71	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	81	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	91	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
BB	1	101	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
BB	1	111	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11
BB	1	121	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	131	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
BB	1	141	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
BB	1	151	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
BB	1	161	0.10	0.10	0.10	0.10	0.11					
BB	3	180	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	3	190	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	3	200	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
BB	3	210	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
IC	2	166	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	2	176	0.12	0.12	0.12	0.11						

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — LA-QUAL calibration for Bayou Blue

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

BB	1	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	161	0.00	0.00	0.00	0.00	0.00					
BB	3	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	210	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IC	2	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	176	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL calibration for Bayou Blue

mg/L — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
BB	1	11	1.31	1.31	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
BB	1	21	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
BB	1	31	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.29	1.29
BB	1	41	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
BB	1	51	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
BB	1	61	1.29	1.28	1.28	1.28	1.27	1.26	1.25	1.25	1.24	1.23
BB	1	71	1.23	1.22	1.21	1.21	1.20	1.20	1.19	1.19	1.18	1.18
BB	1	81	1.17	1.17	1.16	1.16	1.15	1.15	1.14	1.14	1.14	1.13
BB	1	91	1.13	1.12	1.12	1.12	1.11	1.11	1.11	1.10	1.10	1.10
BB	1	101	1.10	1.09	1.09	1.09	1.08	1.08	1.08	1.08	1.07	1.07
BB	1	111	1.07	1.07	1.07	1.06	1.06	1.06	1.06	1.06	1.07	1.07
BB	1	121	1.07	1.06	1.06	1.06	1.06	1.05	1.05	1.05	1.05	1.05
BB	1	131	1.04	1.04	1.04	1.04	1.04	1.03	1.03	1.03	1.03	1.03
BB	1	141	1.03	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.01	1.01
BB	1	151	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.00	1.00	1.00
BB	1	161	1.00	1.00	1.01	1.04	1.12					
BB	3	180	1.16	1.15	1.15	1.14	1.14	1.14	1.13	1.13	1.12	1.12
BB	3	190	1.11	1.11	1.11	1.10	1.10	1.09	1.09	1.08	1.08	1.08
BB	3	200	1.07	1.07	1.06	1.06	1.06	1.05	1.05	1.04	1.04	1.04
BB	3	210	1.03	1.02	1.01	0.99	0.94	0.81	0.49			
IC	2	166	1.25	1.25	1.24	1.23	1.23	1.22	1.22	1.21	1.21	1.20
IC	2	176	1.20	1.19	1.18	1.17						

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL calibration for Bayou Blue

µg/L — FTN Field Survey calibration

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

BB	1	1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	11	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	21	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	31	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	41	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	51	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	61	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	71	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	81	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	91	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	101	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	111	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	121	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	131	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	141	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	151	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	161	20.00	20.00	20.00	20.00	20.00					
BB	3	180	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	3	190	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	3	200	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	3	210	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
IC	2	166	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	176	20.00	20.00	20.00	20.00						

INTERMEDIATE REPORT

Temperature — LA-QUAL calibration for Bayou Blue

deg C — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	31.20	31.21	31.21	31.22	31.22	31.23	31.23	31.24	31.24	31.25
BB	1	11	31.25	31.26	31.26	31.27	31.27	31.28	31.28	31.29	31.29	31.30
BB	1	21	31.30	31.31	31.31	31.32	31.32	31.33	31.33	31.34	31.34	31.35
BB	1	31	31.35	31.36	31.36	31.36	31.37	31.37	31.38	31.38	31.39	31.39
BB	1	41	31.40	31.40	31.41	31.41	31.42	31.42	31.43	31.43	31.44	31.44
BB	1	51	31.45	31.45	31.46	31.46	31.47	31.47	31.48	31.48	31.49	31.49
BB	1	61	31.50	31.50	31.51	31.51	31.52	31.52	31.52	31.53	31.53	31.54
BB	1	71	31.54	31.55	31.55	31.56	31.56	31.57	31.57	31.58	31.58	31.59
BB	1	81	31.59	31.60	31.60	31.61	31.61	31.62	31.62	31.63	31.63	31.64
BB	1	91	31.64	31.65	31.65	31.66	31.66	31.67	31.67	31.68	31.68	31.68
BB	1	101	31.69	31.69	31.70	31.70	31.71	31.71	31.72	31.72	31.73	31.73
BB	1	111	31.74	31.74	31.75	31.75	31.76	31.76	31.77	31.77	31.78	31.78
BB	1	121	31.79	31.79	31.80	31.80	31.81	31.81	31.82	31.82	31.83	31.83
BB	1	131	31.84	31.84	31.84	31.85	31.85	31.86	31.86	31.87	31.87	31.88
BB	1	141	31.88	31.89	31.89	31.90	31.90	31.91	31.91	31.92	31.92	31.93
BB	1	151	31.93	31.94	31.94	31.95	31.95	31.96	31.96	31.97	31.97	31.98
BB	1	161	31.98	31.99	31.99	32.00	32.00					
BB	3	180	31.98	31.97	31.95	31.94	31.92	31.90	31.89	31.87	31.85	31.84
BB	3	190	31.82	31.81	31.79	31.77	31.76	31.74	31.72	31.71	31.69	31.68
BB	3	200	31.66	31.64	31.63	31.61	31.59	31.58	31.56	31.55	31.53	31.51
BB	3	210	31.50	31.48	31.46	31.45	31.43	31.42	31.40			
IC	2	166	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
IC	2	176	32.00	32.00	32.00	32.00						

INTERMEDIATE REPORT

Salinity — LA-QUAL calibration for Bayou Blue
ppt — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	161	0.00	0.00	0.00	0.00	0.00					
BB	3	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	210	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IC	2	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	176	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Reaeration Rate — LA-QUAL calibration for Bayou Blue
per day — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	3.845	3.847	3.849	3.850	3.852	3.854	3.856	3.857	3.859	3.861
BB	1	11	3.863	3.865	3.866	3.868	3.870	3.872	3.873	3.875	3.877	3.879
BB	1	21	3.881	3.882	3.884	3.886	3.888	3.889	3.891	3.893	3.895	3.897
BB	1	31	3.898	3.900	3.902	3.904	3.906	3.907	3.909	3.911	3.913	3.914
BB	1	41	3.916	3.918	3.920	3.922	3.923	3.925	3.927	3.929	3.930	3.932
BB	1	51	3.934	3.936	3.937	3.939	3.941	3.943	3.945	3.946	3.948	3.950
BB	1	61	3.952	3.953	1.728	1.728	1.728	1.728	1.729	1.729	1.729	1.729
BB	1	71	1.729	1.729	1.729	1.730	1.730	1.730	1.730	1.730	1.730	1.730
BB	1	81	1.731	1.731	1.731	1.731	1.731	1.731	1.731	1.732	1.732	1.732
BB	1	91	1.732	1.732	1.732	1.732	1.733	1.733	1.733	1.733	1.733	1.733
BB	1	101	1.733	1.734	1.734	1.734	1.734	1.734	1.734	1.734	1.735	1.735
BB	1	111	1.735	1.735	1.735	1.735	1.735	1.736	1.736	1.736	1.736	1.736
BB	1	121	1.736	1.736	1.737	1.737	1.737	1.737	1.737	1.737	1.737	1.738
BB	1	131	1.738	1.738	1.738	1.738	1.738	1.738	1.739	1.739	1.739	1.739
BB	1	141	1.739	1.739	1.739	1.740	1.740	1.740	1.740	1.740	1.740	1.740
BB	1	151	1.741	1.741	1.741	1.741	1.741	1.741	1.741	1.742	1.742	1.742
BB	1	161	1.742	1.742	1.742	1.742	1.743					
BB	3	180	0.968	0.968	0.967	0.967	0.967	0.966	0.966	0.966	0.966	0.965
BB	3	190	0.965	0.965	0.965	0.964	0.964	0.964	0.964	0.963	0.963	0.963

BB	3	200	0.963	0.962	0.962	0.962	0.961	0.961	0.961	0.961	0.960	0.960
BB	3	210	0.960	0.960	0.959	0.959	0.959	0.959	0.958			
IC	2	166	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622
IC	2	176	0.622	0.622	0.622	0.622						

INTERMEDIATE REPORT

BOD Decay Rate — LA-QUAL calibration for Bayou Blue
per day — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	11	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	21	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	31	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	41	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	51	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	61	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	71	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	81	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	91	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	101	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	111	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	121	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	131	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	141	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	151	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	161	0.26	0.26	0.26	0.26	0.26					
BB	3	180	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	3	190	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	3	200	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25
BB	3	210	0.25	0.25	0.25	0.25	0.25	0.25	0.25			
IC	2	166	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	176	0.26	0.26	0.26	0.26						

INTERMEDIATE REPORT

BOD Settling Rate — LA-QUAL calibration for Bayou Blue
per day — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

BB	1	151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	161	0.00	0.00	0.00	0.00	0.00					
BB	3	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	210	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IC	2	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	176	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Ammonia Decay Rate — LA-QUAL calibration for Bayou Blue

per day — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26
BB	1	11	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	21	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27
BB	1	31	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	1	41	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	1	51	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	1	61	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26
BB	1	71	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	81	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	91	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	101	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	111	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	121	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	131	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	141	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	151	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	161	0.26	0.26	0.26	0.26	0.26					
BB	3	180	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	3	190	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25
BB	3	200	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	3	210	0.25	0.25	0.25	0.25	0.25	0.25	0.25			
IC	2	166	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	2	176	0.25	0.25	0.25	0.25						

INTERMEDIATE REPORT

Sediment Oxygen Demand — LA-QUAL calibration for Bayou Blue

$g/m^2/d$ — FTN Field Survey calibration

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.02
BB	1	11	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
BB	1	21	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
BB	1	31	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
BB	1	41	1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
BB	1	51	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
BB	1	61	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
BB	1	71	1.03	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	1	81	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	1	91	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	1	101	1.04	1.04	1.04	1.04	1.05	1.05	1.05	1.05	1.05	1.05

BB	1	111	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
BB	1	121	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
BB	1	131	1.05	1.05	1.05	1.05	1.05	1.06	1.06	1.06	1.06	1.06
BB	1	141	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
BB	1	151	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
BB	1	161	1.06	1.06	1.06	1.06	1.06					
BB	3	180	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.05	1.05
BB	3	190	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.04	1.04
BB	3	200	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.03	1.03	1.03
BB	3	210	1.03	1.03	1.03	1.03	1.03	1.03	1.03			
IC	2	166	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	2	176	1.49	1.49	1.49	1.49						

EXPANDED CAPSULE SUMMARY FOR BayouBlue#1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
		HDWTR	0.396	31.2	0.0	4.3	4.9	0.0	1.2	0.1	20.0													
1	BB 1	20.10	0.396	31.2	0.0	4.5	4.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.079	0.079	7.4	3.845	0.25	0.00	0.00	0.00	0.24	1.01
2	BB 1	20.00	0.397	31.2	0.0	4.6	5.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.079	0.079	7.4	3.847	0.25	0.00	0.00	0.00	0.25	1.01
3	BB 1	19.90	0.397	31.2	0.0	4.7	5.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.079	0.079	7.4	3.849	0.25	0.00	0.00	0.00	0.25	1.01
4	BB 1	19.80	0.397	31.2	0.0	4.8	5.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.079	0.079	7.4	3.850	0.25	0.00	0.00	0.00	0.25	1.01
5	BB 1	19.70	0.398	31.2	0.0	4.9	5.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.852	0.25	0.00	0.00	0.00	0.25	1.01
6	BB 1	19.60	0.398	31.2	0.0	5.0	5.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.854	0.25	0.00	0.00	0.00	0.25	1.01
7	BB 1	19.50	0.398	31.2	0.0	5.1	5.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.856	0.25	0.00	0.00	0.00	0.25	1.01
8	BB 1	19.40	0.398	31.2	0.0	5.2	5.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.857	0.25	0.00	0.00	0.00	0.25	1.01
9	BB 1	19.30	0.399	31.2	0.0	5.3	5.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.859	0.25	0.00	0.00	0.00	0.25	1.02
10	BB 1	19.20	0.399	31.2	0.0	5.3	5.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.861	0.25	0.00	0.00	0.00	0.26	1.02
11	BB 1	19.10	0.399	31.3	0.0	5.4	5.2	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.863	0.25	0.00	0.00	0.00	0.26	1.02
12	BB 1	19.00	0.400	31.3	0.0	5.5	5.2	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.865	0.25	0.00	0.00	0.00	0.26	1.02
13	BB 1	18.90	0.400	31.3	0.0	5.5	5.2	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.866	0.25	0.00	0.00	0.00	0.26	1.02
14	BB 1	18.80	0.400	31.3	0.0	5.6	5.2	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.868	0.25	0.00	0.00	0.00	0.26	1.02
15	BB 1	18.70	0.401	31.3	0.0	5.7	5.3	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.870	0.25	0.00	0.00	0.00	0.26	1.02
16	BB 1	18.60	0.401	31.3	0.0	5.7	5.3	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.872	0.25	0.00	0.00	0.00	0.26	1.02
17	BB 1	18.50	0.401	31.3	0.0	5.8	5.3	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.873	0.25	0.00	0.00	0.00	0.26	1.02
18	BB 1	18.40	0.401	31.3	0.0	5.8	5.3	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.875	0.25	0.00	0.00	0.00	0.26	1.02
19	BB 1	18.30	0.402	31.3	0.0	5.9	5.3	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.877	0.25	0.00	0.00	0.00	0.26	1.02
20	BB 1	18.20	0.402	31.3	0.0	5.9	5.4	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.879	0.25	0.00	0.00	0.00	0.26	1.02
21	BB 1	18.10	0.402	31.3	0.0	5.9	5.4	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.080	0.080	7.4	3.881	0.25	0.00	0.00	0.00	0.26	1.02
22	BB 1	18.00	0.403	31.3	0.0	6.0	5.4	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.882	0.25	0.00	0.00	0.00	0.26	1.02
23	BB 1	17.90	0.403	31.3	0.0	6.0	5.4	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.884	0.25	0.00	0.00	0.00	0.26	1.02
24	BB 1	17.80	0.403	31.3	0.0	6.1	5.5	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.886	0.25	0.00	0.00	0.00	0.26	1.02
25	BB 1	17.70	0.404	31.3	0.0	6.1	5.5	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.888	0.25	0.00	0.00	0.00	0.26	1.02
26	BB 1	17.60	0.404	31.3	0.0	6.1	5.5	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.889	0.25	0.00	0.00	0.00	0.26	1.02
27	BB 1	17.50	0.404	31.3	0.0	6.2	5.5	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.891	0.25	0.00	0.00	0.00	0.26	1.02
28	BB 1	17.40	0.404	31.3	0.0	6.2	5.5	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.893	0.25	0.00	0.00	0.00	0.27	1.02
29	BB 1	17.30	0.405	31.3	0.0	6.2	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.895	0.25	0.00	0.00	0.00	0.27	1.02
30	BB 1	17.20	0.405	31.3	0.0	6.2	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.897	0.25	0.00	0.00	0.00	0.27	1.02
31	BB 1	17.10	0.405	31.4	0.0	6.3	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.898	0.25	0.00	0.00	0.00	0.27	1.02
32	BB 1	17.00	0.406	31.4	0.0	6.3	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.900	0.25	0.00	0.00	0.00	0.27	1.02
33	BB 1	16.90	0.406	31.4	0.0	6.3	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.902	0.25	0.00	0.00	0.00	0.27	1.02

34	BB	1	16.80	0.406	31.4	0.0	6.3	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.904	0.25	0.00	0.00	0.00	0.27	1.02
35	BB	1	16.70	0.407	31.4	0.0	6.3	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.906	0.25	0.00	0.00	0.00	0.27	1.02
36	BB	1	16.60	0.407	31.4	0.0	6.3	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.907	0.25	0.00	0.00	0.00	0.27	1.02
37	BB	1	16.50	0.407	31.4	0.0	6.4	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.081	0.081	7.4	3.909	0.25	0.00	0.00	0.00	0.27	1.02
38	BB	1	16.40	0.408	31.4	0.0	6.4	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.911	0.25	0.00	0.00	0.00	0.27	1.02
39	BB	1	16.30	0.408	31.4	0.0	6.4	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.913	0.25	0.00	0.00	0.00	0.27	1.02
40	BB	1	16.20	0.408	31.4	0.0	6.4	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.914	0.25	0.00	0.00	0.00	0.27	1.02
41	BB	1	16.10	0.408	31.4	0.0	6.4	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.916	0.25	0.00	0.00	0.00	0.27	1.02
42	BB	1	16.00	0.409	31.4	0.0	6.4	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.918	0.25	0.00	0.00	0.00	0.27	1.03
43	BB	1	15.90	0.409	31.4	0.0	6.4	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.920	0.25	0.00	0.00	0.00	0.27	1.03
44	BB	1	15.80	0.409	31.4	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.922	0.25	0.00	0.00	0.00	0.27	1.03
45	BB	1	15.70	0.410	31.4	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.923	0.25	0.00	0.00	0.00	0.27	1.03
46	BB	1	15.60	0.410	31.4	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.925	0.25	0.00	0.00	0.00	0.27	1.03
47	BB	1	15.50	0.410	31.4	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.927	0.25	0.00	0.00	0.00	0.27	1.03
48	BB	1	15.40	0.411	31.4	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.929	0.25	0.00	0.00	0.00	0.27	1.03
49	BB	1	15.30	0.411	31.4	0.0	6.5	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.930	0.25	0.00	0.00	0.00	0.27	1.03
50	BB	1	15.20	0.411	31.4	0.0	6.5	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.932	0.25	0.00	0.00	0.00	0.27	1.03
51	BB	1	15.10	0.411	31.4	0.0	6.5	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.934	0.25	0.00	0.00	0.00	0.27	1.03
52	BB	1	15.00	0.412	31.5	0.0	6.5	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.936	0.25	0.00	0.00	0.00	0.27	1.03
53	BB	1	14.90	0.412	31.5	0.0	6.5	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.937	0.25	0.00	0.00	0.00	0.27	1.03
54	BB	1	14.80	0.412	31.5	0.0	6.5	6.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.082	0.082	7.4	3.939	0.25	0.00	0.00	0.00	0.27	1.03
55	BB	1	14.70	0.413	31.5	0.0	6.5	6.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.083	0.083	7.4	3.941	0.25	0.00	0.00	0.00	0.27	1.03
56	BB	1	14.60	0.413	31.5	0.0	6.5	6.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.083	0.083	7.4	3.943	0.25	0.00	0.00	0.00	0.27	1.03
57	BB	1	14.50	0.413	31.5	0.0	6.5	6.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.083	0.083	7.4	3.945	0.25	0.00	0.00	0.00	0.27	1.03
58	BB	1	14.40	0.414	31.5	0.0	6.5	6.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.083	0.083	7.4	3.946	0.25	0.00	0.00	0.00	0.27	1.03
59	BB	1	14.30	0.414	31.5	0.0	6.5	6.1	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.083	0.083	7.4	3.948	0.25	0.00	0.00	0.00	0.27	1.03
60	BB	1	14.20	0.414	31.5	0.0	6.5	6.2	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.083	0.083	7.4	3.950	0.25	0.00	0.00	0.00	0.27	1.03
61	BB	1	14.10	0.414	31.5	0.0	6.6	6.2	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.083	0.083	7.4	3.952	0.25	0.00	0.00	0.00	0.27	1.03
62	BB	1	14.00	0.415	31.5	0.0	6.6	6.2	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.083	0.083	7.4	3.953	0.25	0.00	0.00	0.00	0.27	1.03
DIVERSION # 063 (toICWW) LEAVES HERE																									
63	BB	1	13.90	0.019	31.5	0.0	6.5	6.2	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.728	0.25	0.00	0.00	0.00	0.27	1.03
64	BB	1	13.80	0.019	31.5	0.0	6.3	6.5	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.728	0.25	0.00	0.00	0.00	0.27	1.03
65	BB	1	13.70	0.019	31.5	0.0	6.0	6.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.728	0.25	0.00	0.00	0.00	0.27	1.03
66	BB	1	13.60	0.020	31.5	0.0	5.9	7.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.728	0.25	0.00	0.00	0.00	0.27	1.03
67	BB	1	13.50	0.020	31.5	0.0	5.8	7.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.729	0.25	0.00	0.00	0.00	0.26	1.03
68	BB	1	13.40	0.020	31.5	0.0	5.7	7.6	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.729	0.25	0.00	0.00	0.00	0.26	1.03
69	BB	1	13.30	0.021	31.5	0.0	5.6	7.8	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.729	0.25	0.00	0.00	0.00	0.26	1.03
70	BB	1	13.20	0.021	31.5	0.0	5.5	8.0	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.729	0.25	0.00	0.00	0.00	0.26	1.03
71	BB	1	13.10	0.021	31.5	0.0	5.5	8.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.729	0.25	0.00	0.00	0.00	0.26	1.03
72	BB	1	13.00	0.021	31.5	0.0	5.5	8.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.729	0.25	0.00	0.00	0.00	0.26	1.03

EXPANDED CAPSULE SUMMARY FOR BayouBlue#1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	ADVEC DEPTH	MEAN WIDTH	DO VELO	REAER VELO	SAT	BOD1 RATE	BOD1 DECA	BOD2 SETT	BOD2 DECA	NH3 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
73	BB	1	12.90	0.022	31.6	0.0	5.4	8.4	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.729	0.26	0.00	0.00	0.00	0.26	1.04
74	BB	1	12.80	0.022	31.6	0.0	5.4	8.6	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.730	0.26	0.00	0.00	0.00	0.26	1.04
75	BB	1	12.70	0.022	31.6	0.0	5.4	8.7	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.004	0.004	7.4	1.730	0.26	0.00	0.00	0.00	0.26	1.04
76	BB	1	12.60	0.023	31.6	0.0	5.3	8.8	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.730	0.26	0.00	0.00	0.00	0.26	1.04
77	BB	1	12.50	0.023	31.6	0.0	5.3	8.9	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.730	0.26	0.00	0.00	0.00	0.26	1.04
78	BB	1	12.40	0.023	31.6	0.0	5.3	9.0	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.730	0.26	0.00	0.00	0.00	0.26	1.04

79	BB	1	12.30	0.024	31.6	0.0	5.3	9.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.730	0.26	0.00	0.00	0.00	0.26	1.04
80	BB	1	12.20	0.024	31.6	0.0	5.3	9.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.730	0.26	0.00	0.00	0.00	0.26	1.04
81	BB	1	12.10	0.024	31.6	0.0	5.2	9.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.731	0.26	0.00	0.00	0.00	0.26	1.04
82	BB	1	12.00	0.024	31.6	0.0	5.2	9.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.731	0.26	0.00	0.00	0.00	0.26	1.04
83	BB	1	11.90	0.025	31.6	0.0	5.2	9.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.731	0.26	0.00	0.00	0.00	0.26	1.04
84	BB	1	11.80	0.025	31.6	0.0	5.2	9.4	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.731	0.26	0.00	0.00	0.00	0.26	1.04
85	BB	1	11.70	0.025	31.6	0.0	5.2	9.5	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.731	0.26	0.00	0.00	0.00	0.26	1.04
86	BB	1	11.60	0.026	31.6	0.0	5.2	9.5	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.731	0.26	0.00	0.00	0.00	0.26	1.04
87	BB	1	11.50	0.026	31.6	0.0	5.2	9.6	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.731	0.26	0.00	0.00	0.00	0.26	1.04
88	BB	1	11.40	0.026	31.6	0.0	5.2	9.6	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.732	0.26	0.00	0.00	0.00	0.26	1.04
89	BB	1	11.30	0.027	31.6	0.0	5.2	9.6	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.4	1.732	0.26	0.00	0.00	0.00	0.26	1.04
90	BB	1	11.20	0.027	31.6	0.0	5.2	9.7	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.3	1.732	0.26	0.00	0.00	0.00	0.26	1.04
91	BB	1	11.10	0.027	31.6	0.0	5.2	9.7	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.3	1.732	0.26	0.00	0.00	0.00	0.26	1.04
92	BB	1	11.00	0.027	31.6	0.0	5.1	9.7	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.005	0.005	7.3	1.732	0.26	0.00	0.00	0.00	0.26	1.04
93	BB	1	10.90	0.028	31.7	0.0	5.1	9.8	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.732	0.26	0.00	0.00	0.00	0.26	1.04
94	BB	1	10.80	0.028	31.7	0.0	5.1	9.8	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.732	0.26	0.00	0.00	0.00	0.26	1.04
95	BB	1	10.70	0.028	31.7	0.0	5.1	9.8	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.733	0.26	0.00	0.00	0.00	0.26	1.04
96	BB	1	10.60	0.029	31.7	0.0	5.1	9.9	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.733	0.26	0.00	0.00	0.00	0.26	1.04
97	BB	1	10.50	0.029	31.7	0.0	5.1	9.9	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.733	0.26	0.00	0.00	0.00	0.26	1.04
98	BB	1	10.40	0.029	31.7	0.0	5.1	9.9	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.733	0.26	0.00	0.00	0.00	0.26	1.04
99	BB	1	10.30	0.030	31.7	0.0	5.1	9.9	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.733	0.26	0.00	0.00	0.00	0.26	1.04
100	BB	1	10.20	0.030	31.7	0.0	5.1	9.9	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.733	0.26	0.00	0.00	0.00	0.26	1.04
101	BB	1	10.10	0.030	31.7	0.0	5.1	9.9	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.733	0.26	0.00	0.00	0.00	0.26	1.04
102	BB	1	10.00	0.031	31.7	0.0	5.1	10.0	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.734	0.26	0.00	0.00	0.00	0.26	1.04
103	BB	1	9.90	0.031	31.7	0.0	5.1	10.0	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.734	0.26	0.00	0.00	0.00	0.26	1.04
104	BB	1	9.80	0.031	31.7	0.0	5.1	10.0	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.734	0.26	0.00	0.00	0.00	0.26	1.04
105	BB	1	9.70	0.031	31.7	0.0	5.1	10.0	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.734	0.26	0.00	0.00	0.00	0.26	1.05
106	BB	1	9.60	0.032	31.7	0.0	5.1	10.0	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.734	0.26	0.00	0.00	0.00	0.26	1.05
107	BB	1	9.50	0.032	31.7	0.0	5.1	10.0	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.734	0.26	0.00	0.00	0.00	0.26	1.05
108	BB	1	9.40	0.032	31.7	0.0	5.1	10.0	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.006	0.006	7.3	1.734	0.26	0.00	0.00	0.00	0.26	1.05
109	BB	1	9.30	0.033	31.7	0.0	5.1	10.0	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.735	0.26	0.00	0.00	0.00	0.26	1.05
110	BB	1	9.20	0.033	31.7	0.0	5.1	10.1	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.735	0.26	0.00	0.00	0.00	0.26	1.05
111	BB	1	9.10	0.033	31.7	0.0	5.1	10.1	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.735	0.26	0.00	0.00	0.00	0.26	1.05
112	BB	1	9.00	0.034	31.7	0.0	5.1	10.1	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.735	0.26	0.00	0.00	0.00	0.26	1.05
113	BB	1	8.90	0.034	31.7	0.0	5.1	10.1	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.735	0.26	0.00	0.00	0.00	0.26	1.05
114	BB	1	8.80	0.034	31.8	0.0	5.1	10.1	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.735	0.26	0.00	0.00	0.00	0.26	1.05
115	BB	1	8.70	0.034	31.8	0.0	5.1	10.1	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.735	0.26	0.00	0.00	0.00	0.26	1.05
116	BB	1	8.60	0.035	31.8	0.0	5.1	10.1	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.736	0.26	0.00	0.00	0.00	0.26	1.05
117	BB	1	8.50	0.035	31.8	0.0	5.0	10.2	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.736	0.26	0.00	0.00	0.00	0.26	1.05
118	BB	1	8.40	0.035	31.8	0.0	5.0	10.4	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.736	0.26	0.00	0.00	0.00	0.26	1.05
WASTELOAD # 119 (LAG541539) ENTERS HERE																									
WASTELOAD # 119 (LA0084077) ENTERS HERE																									
119	BB	1	8.30	0.036	31.8	0.0	5.0	10.8	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.736	0.26	0.00	0.00	0.00	0.26	1.05
120	BB	1	8.20	0.036	31.8	0.0	5.0	10.8	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.736	0.26	0.00	0.00	0.00	0.26	1.05
121	BB	1	8.10	0.037	31.8	0.0	5.0	10.8	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.736	0.26	0.00	0.00	0.00	0.26	1.05
122	BB	1	8.00	0.037	31.8	0.0	5.0	10.7	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.736	0.26	0.00	0.00	0.00	0.26	1.05
123	BB	1	7.90	0.037	31.8	0.0	5.0	10.7	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.007	0.007	7.3	1.737	0.26	0.00	0.00	0.00	0.26	1.05
124	BB	1	7.80	0.038	31.8	0.0	5.0	10.7	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.737	0.26	0.00	0.00	0.00	0.26	1.05
125	BB	1	7.70	0.038	31.8	0.0	5.0	10.7	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.737	0.26	0.00	0.00	0.00	0.26	1.05
126	BB	1	7.60	0.038	31.8	0.0	5.0	10.6	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.737	0.26	0.00	0.00	0.00	0.26	1.05

127	BB	1	7.50	0.038	31.8	0.0	5.0	10.6	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.737	0.26	0.00	0.00	0.00	0.26	1.05
128	BB	1	7.40	0.039	31.8	0.0	5.0	10.6	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.737	0.26	0.00	0.00	0.00	0.26	1.05
129	BB	1	7.30	0.039	31.8	0.0	5.0	10.6	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.737	0.26	0.00	0.00	0.00	0.26	1.05
130	BB	1	7.20	0.039	31.8	0.0	5.0	10.6	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.738	0.26	0.00	0.00	0.00	0.26	1.05
131	BB	1	7.10	0.040	31.8	0.0	5.0	10.6	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.738	0.26	0.00	0.00	0.00	0.26	1.05
132	BB	1	7.00	0.040	31.8	0.0	5.0	10.5	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.738	0.26	0.00	0.00	0.00	0.26	1.05
133	BB	1	6.90	0.040	31.8	0.0	5.0	10.5	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.738	0.26	0.00	0.00	0.00	0.26	1.05
134	BB	1	6.80	0.041	31.8	0.0	5.0	10.5	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.738	0.26	0.00	0.00	0.00	0.26	1.05
135	BB	1	6.70	0.041	31.9	0.0	5.0	10.5	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.738	0.26	0.00	0.00	0.00	0.26	1.05
136	BB	1	6.60	0.041	31.9	0.0	5.0	10.5	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.738	0.26	0.00	0.00	0.00	0.26	1.06
137	BB	1	6.50	0.042	31.9	0.0	5.0	10.5	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.739	0.26	0.00	0.00	0.00	0.26	1.06
138	BB	1	6.40	0.042	31.9	0.0	5.0	10.5	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.739	0.26	0.00	0.00	0.00	0.26	1.06
139	BB	1	6.30	0.042	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.739	0.26	0.00	0.00	0.00	0.26	1.06
140	BB	1	6.20	0.042	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.008	0.008	7.3	1.739	0.26	0.00	0.00	0.00	0.26	1.06
141	BB	1	6.10	0.043	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.739	0.26	0.00	0.00	0.00	0.26	1.06
142	BB	1	6.00	0.043	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.739	0.26	0.00	0.00	0.00	0.26	1.06
143	BB	1	5.90	0.043	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.739	0.26	0.00	0.00	0.00	0.26	1.06
144	BB	1	5.80	0.044	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.740	0.26	0.00	0.00	0.00	0.26	1.06

EXPANDED CAPSULE SUMMARY FOR BayouBlue#1

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	ADVEC WIDTH	MEAN VELO	DO VELO	REAER SAT	BOD1 RATE	BOD1 DECA	BOD2 SETT	BOD2 DECA	BOD2 SETT	DECA	NH3 SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
145	BB	1	5.70	0.044	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.740	0.26	0.00	0.00	0.00	0.26	1.06
146	BB	1	5.60	0.044	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.740	0.26	0.00	0.00	0.00	0.26	1.06
147	BB	1	5.50	0.045	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.740	0.26	0.00	0.00	0.00	0.26	1.06
148	BB	1	5.40	0.045	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.740	0.26	0.00	0.00	0.00	0.26	1.06
149	BB	1	5.30	0.045	31.9	0.0	5.0	10.4	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.740	0.26	0.00	0.00	0.00	0.26	1.06
150	BB	1	5.20	0.045	31.9	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.740	0.26	0.00	0.00	0.00	0.26	1.06
151	BB	1	5.10	0.046	31.9	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.741	0.26	0.00	0.00	0.00	0.26	1.06
152	BB	1	5.00	0.046	31.9	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.741	0.26	0.00	0.00	0.00	0.26	1.06
153	BB	1	4.90	0.046	31.9	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.741	0.26	0.00	0.00	0.00	0.26	1.06
154	BB	1	4.80	0.047	31.9	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.741	0.26	0.00	0.00	0.00	0.26	1.06
155	BB	1	4.70	0.047	32.0	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.741	0.26	0.00	0.00	0.00	0.26	1.06
156	BB	1	4.60	0.047	32.0	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.009	0.009	7.3	1.741	0.26	0.00	0.00	0.00	0.26	1.06
157	BB	1	4.50	0.048	32.0	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.741	0.26	0.00	0.00	0.00	0.26	1.06
158	BB	1	4.40	0.048	32.0	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.742	0.26	0.00	0.00	0.00	0.26	1.06
159	BB	1	4.30	0.048	32.0	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.742	0.26	0.00	0.00	0.00	0.26	1.06
160	BB	1	4.20	0.048	32.0	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.742	0.26	0.00	0.00	0.00	0.26	1.06
161	BB	1	4.10	0.049	32.0	0.0	5.0	10.3	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.742	0.26	0.00	0.00	0.00	0.26	1.06
162	BB	1	4.00	0.049	32.0	0.0	5.0	10.2	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.742	0.26	0.00	0.00	0.00	0.26	1.06
163	BB	1	3.90	0.049	32.0	0.0	5.0	10.1	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.742	0.26	0.00	0.00	0.00	0.26	1.06
164	BB	1	3.80	0.050	32.0	0.0	4.9	9.6	0.0	0.9	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.742	0.26	0.00	0.00	0.00	0.26	1.06
165	BB	1	3.70	0.050	32.0	0.0	4.5	8.3	0.0	1.0	0.1	20.0	0.5	0.50	10.0	0.010	0.010	7.3	1.743	0.26	0.00	0.00	0.00	0.26	1.06

TRIBUTARY # 166 (ICWWtoBlue) ENTERS HERE

180	BB	3	3.60	0.446	32.0	0.0	4.2	7.7	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.968	0.26	0.00	0.00	0.00	0.25	1.06
181	BB	3	3.50	0.446	32.0	0.0	4.3	7.9	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.968	0.26	0.00	0.00	0.00	0.26	1.06
182	BB	3	3.40	0.446	32.0	0.0	4.3	8.0	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.967	0.26	0.00	0.00	0.00	0.26	1.06
183	BB	3	3.30	0.446	31.9	0.0	4.4	8.2	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.967	0.26	0.00	0.00	0.00	0.26	1.06
184	BB	3	3.20	0.446	31.9	0.0	4.4	8.4	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.967	0.26	0.00	0.00	0.00	0.26	1.06
185	BB	3	3.10	0.446	31.9	0.0	4.4	8.5	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.966	0.26	0.00	0.00	0.00	0.26	1.06

186	BB	3	3.00	0.446	31.9	0.0	4.5	8.7	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.966	0.26	0.00	0.00	0.00	0.26	1.06
187	BB	3	2.90	0.446	31.9	0.0	4.5	8.8	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.966	0.26	0.00	0.00	0.00	0.26	1.06
188	BB	3	2.80	0.446	31.9	0.0	4.5	8.9	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.966	0.26	0.00	0.00	0.00	0.26	1.05
189	BB	3	2.70	0.446	31.8	0.0	4.5	9.1	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.965	0.26	0.00	0.00	0.00	0.26	1.05
190	BB	3	2.60	0.446	31.8	0.0	4.5	9.2	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.965	0.26	0.00	0.00	0.00	0.26	1.05
191	BB	3	2.50	0.446	31.8	0.0	4.5	9.3	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.965	0.26	0.00	0.00	0.00	0.26	1.05
192	BB	3	2.40	0.446	31.8	0.0	4.5	9.4	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.965	0.26	0.00	0.00	0.00	0.26	1.05
193	BB	3	2.30	0.446	31.8	0.0	4.4	9.5	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.964	0.26	0.00	0.00	0.00	0.26	1.05
194	BB	3	2.20	0.446	31.8	0.0	4.4	9.6	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.964	0.26	0.00	0.00	0.00	0.25	1.05
195	BB	3	2.10	0.446	31.7	0.0	4.4	9.8	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.964	0.26	0.00	0.00	0.00	0.25	1.05
196	BB	3	2.00	0.446	31.7	0.0	4.4	9.9	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.964	0.26	0.00	0.00	0.00	0.25	1.05
197	BB	3	1.90	0.446	31.7	0.0	4.4	10.0	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.963	0.26	0.00	0.00	0.00	0.25	1.05
198	BB	3	1.80	0.446	31.7	0.0	4.4	10.0	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.963	0.26	0.00	0.00	0.00	0.25	1.04
199	BB	3	1.70	0.446	31.7	0.0	4.4	10.1	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.963	0.26	0.00	0.00	0.00	0.25	1.04
200	BB	3	1.60	0.446	31.7	0.0	4.3	10.2	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.963	0.26	0.00	0.00	0.00	0.25	1.04
201	BB	3	1.50	0.446	31.6	0.0	4.3	10.3	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.3	0.962	0.26	0.00	0.00	0.00	0.25	1.04
202	BB	3	1.40	0.446	31.6	0.0	4.3	10.4	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.962	0.26	0.00	0.00	0.00	0.25	1.04
203	BB	3	1.30	0.446	31.6	0.0	4.3	10.5	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.962	0.26	0.00	0.00	0.00	0.25	1.04
204	BB	3	1.20	0.446	31.6	0.0	4.3	10.5	0.0	1.0	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.961	0.26	0.00	0.00	0.00	0.25	1.04
205	BB	3	1.10	0.446	31.6	0.0	4.3	10.6	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.961	0.26	0.00	0.00	0.00	0.25	1.04
206	BB	3	1.00	0.446	31.6	0.0	4.2	10.7	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.961	0.26	0.00	0.00	0.00	0.25	1.04
207	BB	3	0.90	0.446	31.5	0.0	4.2	10.8	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.961	0.25	0.00	0.00	0.00	0.25	1.03
208	BB	3	0.80	0.446	31.5	0.0	4.2	10.8	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.960	0.25	0.00	0.00	0.00	0.25	1.03
209	BB	3	0.70	0.446	31.5	0.0	4.2	10.9	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.960	0.25	0.00	0.00	0.00	0.25	1.03
210	BB	3	0.60	0.446	31.5	0.0	4.2	10.9	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.960	0.25	0.00	0.00	0.00	0.25	1.03
211	BB	3	0.50	0.446	31.5	0.0	4.2	11.0	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.960	0.25	0.00	0.00	0.00	0.25	1.03
212	BB	3	0.40	0.446	31.5	0.0	4.2	11.0	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.959	0.25	0.00	0.00	0.00	0.25	1.03
213	BB	3	0.30	0.446	31.4	0.0	4.2	10.9	0.0	0.9	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.959	0.25	0.00	0.00	0.00	0.25	1.03
214	BB	3	0.20	0.446	31.4	0.0	4.2	10.6	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.959	0.25	0.00	0.00	0.00	0.25	1.03
215	BB	3	0.10	0.446	31.4	0.0	4.3	9.7	0.0	0.7	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.959	0.25	0.00	0.00	0.00	0.25	1.03
216	BB	3	0.00	0.446	31.4	0.0	4.6	7.3	0.0	0.4	0.1	20.0	0.5	0.90	65.5	0.008	0.008	7.4	0.958	0.25	0.00	0.00	0.00	0.25	1.03

EXPANDED CAPSULE SUMMARY FOR ICWWtoBlue

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
166	IC	2	1.30	0.396	32.0	0.0	3.6	4.4	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.24	1.49
167	IC	2	1.20	0.396	32.0	0.0	3.7	4.7	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
168	IC	2	1.10	0.396	32.0	0.0	3.8	5.0	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
169	IC	2	1.00	0.396	32.0	0.0	3.9	5.2	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
170	IC	2	0.90	0.396	32.0	0.0	3.9	5.5	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
171	IC	2	0.80	0.396	32.0	0.0	4.0	5.7	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
172	IC	2	0.70	0.396	32.0	0.0	4.0	5.9	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
173	IC	2	0.60	0.396	32.0	0.0	4.0	6.1	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
174	IC	2	0.50	0.396	32.0	0.0	4.0	6.3	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
175	IC	2	0.40	0.396	32.0	0.0	4.0	6.5	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
176	IC	2	0.30	0.396	32.0	0.0	4.0	6.7	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
177	IC	2	0.20	0.396	32.0	0.0	4.0	6.9	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
178	IC	2	0.10	0.396	32.0	0.0	4.1	7.1	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49
179	IC	2	0.00	0.396	32.0	0.0	4.1	7.4	0.0	1.1	0.1	20.0	0.5	1.40	44.0	0.006	0.006	7.3	0.622	0.26	0.00	0.00	0.00	0.25	1.49

SPECIAL REPORT: BayouBlue#1

WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING km	TEMP deg C	TEMP ppt	SALN *	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	MACRO	COLI #/100mL	NCM *
1	20.100	31.20	0.0	0.0	0.0	4.46	4.93	0.00	4.93	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
2	20.000	31.21	0.0	0.0	0.0	4.58	4.95	0.00	4.95	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
3	19.900	31.21	0.0	0.0	0.0	4.69	4.97	0.00	4.97	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
4	19.800	31.22	0.0	0.0	0.0	4.80	5.00	0.00	5.00	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
5	19.700	31.22	0.0	0.0	0.0	4.90	5.02	0.00	5.02	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
6	19.600	31.23	0.0	0.0	0.0	5.00	5.05	0.00	5.05	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
7	19.500	31.23	0.0	0.0	0.0	5.09	5.07	0.00	5.07	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
8	19.400	31.24	0.0	0.0	0.0	5.18	5.09	0.00	5.09	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
9	19.300	31.24	0.0	0.0	0.0	5.26	5.12	0.00	5.12	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
10	19.200	31.25	0.0	0.0	0.0	5.34	5.14	0.00	5.14	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
11	19.100	31.25	0.0	0.0	0.0	5.41	5.16	0.00	5.16	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
12	19.000	31.26	0.0	0.0	0.0	5.48	5.19	0.00	5.19	0.00	1.19	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00	
13	18.900	31.26	0.0	0.0	0.0	5.54	5.21	0.00	5.21	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
14	18.800	31.27	0.0	0.0	0.0	5.60	5.23	0.00	5.23	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
15	18.700	31.27	0.0	0.0	0.0	5.66	5.25	0.00	5.25	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
16	18.600	31.28	0.0	0.0	0.0	5.72	5.28	0.00	5.28	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
17	18.500	31.28	0.0	0.0	0.0	5.77	5.30	0.00	5.30	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
18	18.400	31.29	0.0	0.0	0.0	5.82	5.32	0.00	5.32	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
19	18.300	31.29	0.0	0.0	0.0	5.86	5.34	0.00	5.34	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
20	18.200	31.30	0.0	0.0	0.0	5.91	5.37	0.00	5.37	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
21	18.100	31.30	0.0	0.0	0.0	5.95	5.39	0.00	5.39	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
22	18.000	31.31	0.0	0.0	0.0	5.99	5.41	0.00	5.41	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
23	17.900	31.31	0.0	0.0	0.0	6.02	5.43	0.00	5.43	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
24	17.800	31.32	0.0	0.0	0.0	6.06	5.45	0.00	5.45	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
25	17.700	31.32	0.0	0.0	0.0	6.09	5.47	0.00	5.47	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
26	17.600	31.33	0.0	0.0	0.0	6.12	5.50	0.00	5.50	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
27	17.500	31.33	0.0	0.0	0.0	6.15	5.52	0.00	5.52	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
28	17.400	31.34	0.0	0.0	0.0	6.18	5.54	0.00	5.54	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
29	17.300	31.34	0.0	0.0	0.0	6.20	5.56	0.00	5.56	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
30	17.200	31.35	0.0	0.0	0.0	6.23	5.58	0.00	5.58	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
31	17.100	31.35	0.0	0.0	0.0	6.25	5.60	0.00	5.60	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
32	17.000	31.36	0.0	0.0	0.0	6.27	5.62	0.00	5.62	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
33	16.900	31.36	0.0	0.0	0.0	6.29	5.64	0.00	5.64	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
34	16.800	31.36	0.0	0.0	0.0	6.31	5.66	0.00	5.66	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
35	16.700	31.37	0.0	0.0	0.0	6.33	5.68	0.00	5.68	0.00	1.19	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
36	16.600	31.37	0.0	0.0	0.0	6.35	5.70	0.00	5.70	0.00	1.18	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00	
37	16.500	31.38	0.0	0.0	0.0	6.36	5.72	0.00	5.72	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
38	16.400	31.38	0.0	0.0	0.0	6.38	5.74	0.00	5.74	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
39	16.300	31.39	0.0	0.0	0.0	6.39	5.76	0.00	5.76	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
40	16.200	31.39	0.0	0.0	0.0	6.41	5.78	0.00	5.78	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
41	16.100	31.40	0.0	0.0	0.0	6.42	5.80	0.00	5.80	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
42	16.000	31.40	0.0	0.0	0.0	6.43	5.82	0.00	5.82	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
43	15.900	31.41	0.0	0.0	0.0	6.44	5.84	0.00	5.84	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
44	15.800	31.41	0.0	0.0	0.0	6.45	5.86	0.00	5.86	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
45	15.700	31.42	0.0	0.0	0.0	6.46	5.88	0.00	5.88	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
46	15.600	31.42	0.0	0.0	0.0	6.47	5.90	0.00	5.90	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	
47	15.500	31.43	0.0	0.0	0.0	6.48	5.92	0.00	5.92	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00	

48	15.400	31.43	0.0	0.0	0.0	6.49	5.94	0.00	5.94	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
49	15.300	31.44	0.0	0.0	0.0	6.49	5.96	0.00	5.96	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
50	15.200	31.44	0.0	0.0	0.0	6.50	5.98	0.00	5.98	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
51	15.100	31.45	0.0	0.0	0.0	6.51	6.00	0.00	6.00	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
52	15.000	31.45	0.0	0.0	0.0	6.51	6.01	0.00	6.01	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
53	14.900	31.46	0.0	0.0	0.0	6.52	6.03	0.00	6.03	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
54	14.800	31.46	0.0	0.0	0.0	6.52	6.05	0.00	6.05	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
55	14.700	31.47	0.0	0.0	0.0	6.53	6.07	0.00	6.07	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
56	14.600	31.47	0.0	0.0	0.0	6.53	6.09	0.00	6.09	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
57	14.500	31.48	0.0	0.0	0.0	6.54	6.11	0.00	6.11	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
58	14.400	31.48	0.0	0.0	0.0	6.54	6.12	0.00	6.12	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
59	14.300	31.49	0.0	0.0	0.0	6.55	6.14	0.00	6.14	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
60	14.200	31.49	0.0	0.0	0.0	6.55	6.16	0.00	6.16	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
61	14.100	31.50	0.0	0.0	0.0	6.55	6.18	0.00	6.18	0.00	1.17	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
62	14.000	31.50	0.0	0.0	0.0	6.55	6.20	0.00	6.20	0.00	1.17	0.11	0.00	1.28	0.00	20.0	0.0	0.	0.00
63	13.900	31.51	0.0	0.0	0.0	6.52	6.23	0.00	6.23	0.00	1.17	0.11	0.00	1.28	0.00	20.0	0.0	0.	0.00
64	13.800	31.51	0.0	0.0	0.0	6.25	6.55	0.00	6.55	0.00	1.17	0.11	0.00	1.28	0.00	20.0	0.0	0.	0.00
65	13.700	31.52	0.0	0.0	0.0	6.05	6.84	0.00	6.84	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
66	13.600	31.52	0.0	0.0	0.0	5.90	7.11	0.00	7.11	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
67	13.500	31.52	0.0	0.0	0.0	5.78	7.35	0.00	7.35	0.00	1.14	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
68	13.400	31.53	0.0	0.0	0.0	5.68	7.57	0.00	7.57	0.00	1.14	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
69	13.300	31.53	0.0	0.0	0.0	5.61	7.77	0.00	7.77	0.00	1.13	0.11	0.00	1.24	0.00	20.0	0.0	0.	0.00
70	13.200	31.54	0.0	0.0	0.0	5.55	7.95	0.00	7.95	0.00	1.12	0.11	0.00	1.23	0.00	20.0	0.0	0.	0.00
71	13.100	31.54	0.0	0.0	0.0	5.50	8.12	0.00	8.12	0.00	1.12	0.11	0.00	1.23	0.00	20.0	0.0	0.	0.00
72	13.000	31.55	0.0	0.0	0.0	5.45	8.28	0.00	8.28	0.00	1.11	0.11	0.00	1.22	0.00	20.0	0.0	0.	0.00
73	12.900	31.55	0.0	0.0	0.0	5.42	8.42	0.00	8.42	0.00	1.10	0.11	0.00	1.21	0.00	20.0	0.0	0.	0.00
74	12.800	31.56	0.0	0.0	0.0	5.39	8.55	0.00	8.55	0.00	1.10	0.11	0.00	1.21	0.00	20.0	0.0	0.	0.00
75	12.700	31.56	0.0	0.0	0.0	5.36	8.67	0.00	8.67	0.00	1.09	0.11	0.00	1.20	0.00	20.0	0.0	0.	0.00
76	12.600	31.57	0.0	0.0	0.0	5.34	8.78	0.00	8.78	0.00	1.09	0.11	0.00	1.20	0.00	20.0	0.0	0.	0.00
77	12.500	31.57	0.0	0.0	0.0	5.31	8.88	0.00	8.88	0.00	1.08	0.11	0.00	1.19	0.00	20.0	0.0	0.	0.00
78	12.400	31.58	0.0	0.0	0.0	5.29	8.98	0.00	8.98	0.00	1.08	0.11	0.00	1.19	0.00	20.0	0.0	0.	0.00
79	12.300	31.58	0.0	0.0	0.0	5.28	9.06	0.00	9.06	0.00	1.07	0.11	0.00	1.18	0.00	20.0	0.0	0.	0.00
80	12.200	31.59	0.0	0.0	0.0	5.26	9.14	0.00	9.14	0.00	1.07	0.11	0.00	1.18	0.00	20.0	0.0	0.	0.00
81	12.100	31.59	0.0	0.0	0.0	5.25	9.22	0.00	9.22	0.00	1.06	0.11	0.00	1.17	0.00	20.0	0.0	0.	0.00
82	12.000	31.60	0.0	0.0	0.0	5.23	9.29	0.00	9.29	0.00	1.06	0.11	0.00	1.17	0.00	20.0	0.0	0.	0.00
83	11.900	31.60	0.0	0.0	0.0	5.22	9.35	0.00	9.35	0.00	1.05	0.11	0.00	1.16	0.00	20.0	0.0	0.	0.00
84	11.800	31.61	0.0	0.0	0.0	5.21	9.41	0.00	9.41	0.00	1.05	0.11	0.00	1.16	0.00	20.0	0.0	0.	0.00
85	11.700	31.61	0.0	0.0	0.0	5.20	9.46	0.00	9.46	0.00	1.05	0.11	0.00	1.15	0.00	20.0	0.0	0.	0.00
86	11.600	31.62	0.0	0.0	0.0	5.19	9.51	0.00	9.51	0.00	1.04	0.11	0.00	1.15	0.00	20.0	0.0	0.	0.00
87	11.500	31.62	0.0	0.0	0.0	5.18	9.56	0.00	9.56	0.00	1.04	0.11	0.00	1.14	0.00	20.0	0.0	0.	0.00
88	11.400	31.63	0.0	0.0	0.0	5.17	9.60	0.00	9.60	0.00	1.03	0.11	0.00	1.14	0.00	20.0	0.0	0.	0.00
89	11.300	31.63	0.0	0.0	0.0	5.16	9.64	0.00	9.64	0.00	1.03	0.11	0.00	1.14	0.00	20.0	0.0	0.	0.00
90	11.200	31.64	0.0	0.0	0.0	5.16	9.68	0.00	9.68	0.00	1.03	0.11	0.00	1.13	0.00	20.0	0.0	0.	0.00
91	11.100	31.64	0.0	0.0	0.0	5.15	9.71	0.00	9.71	0.00	1.02	0.10	0.00	1.13	0.00	20.0	0.0	0.	0.00
92	11.000	31.65	0.0	0.0	0.0	5.14	9.74	0.00	9.74	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
93	10.900	31.65	0.0	0.0	0.0	5.14	9.77	0.00	9.77	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
94	10.800	31.66	0.0	0.0	0.0	5.13	9.80	0.00	9.80	0.00	1.01	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
95	10.700	31.66	0.0	0.0	0.0	5.13	9.83	0.00	9.83	0.00	1.01	0.10	0.00	1.11	0.00	20.0	0.0	0.	0.00
96	10.600	31.67	0.0	0.0	0.0	5.12	9.85	0.00	9.85	0.00	1.01	0.10	0.00	1.11	0.00	20.0	0.0	0.	0.00
97	10.500	31.67	0.0	0.0	0.0	5.12	9.87	0.00	9.87	0.00	1.00	0.10	0.00	1.11	0.00	20.0	0.0	0.	0.00

98	10.400	31.68	0.0	0.0	0.0	5.11	9.89	0.00	9.89	0.00	1.00	0.10	0.00	1.10	0.00	20.0	0.0	0.	0.00
99	10.300	31.68	0.0	0.0	0.0	5.11	9.91	0.00	9.91	0.00	1.00	0.10	0.00	1.10	0.00	20.0	0.0	0.	0.00
100	10.200	31.68	0.0	0.0	0.0	5.10	9.93	0.00	9.93	0.00	1.00	0.10	0.00	1.10	0.00	20.0	0.0	0.	0.00
101	10.100	31.69	0.0	0.0	0.0	5.10	9.95	0.00	9.95	0.00	0.99	0.10	0.00	1.10	0.00	20.0	0.0	0.	0.00
102	10.000	31.69	0.0	0.0	0.0	5.10	9.96	0.00	9.96	0.00	0.99	0.10	0.00	1.09	0.00	20.0	0.0	0.	0.00
103	9.900	31.70	0.0	0.0	0.0	5.09	9.98	0.00	9.98	0.00	0.99	0.10	0.00	1.09	0.00	20.0	0.0	0.	0.00
104	9.800	31.70	0.0	0.0	0.0	5.09	9.99	0.00	9.99	0.00	0.99	0.10	0.00	1.09	0.00	20.0	0.0	0.	0.00
105	9.700	31.71	0.0	0.0	0.0	5.09	10.01	0.00	10.01	0.00	0.98	0.10	0.00	1.08	0.00	20.0	0.0	0.	0.00
106	9.600	31.71	0.0	0.0	0.0	5.08	10.02	0.00	10.02	0.00	0.98	0.10	0.00	1.08	0.00	20.0	0.0	0.	0.00
107	9.500	31.72	0.0	0.0	0.0	5.08	10.03	0.00	10.03	0.00	0.98	0.10	0.00	1.08	0.00	20.0	0.0	0.	0.00
108	9.400	31.72	0.0	0.0	0.0	5.08	10.04	0.00	10.04	0.00	0.98	0.10	0.00	1.08	0.00	20.0	0.0	0.	0.00
109	9.300	31.73	0.0	0.0	0.0	5.08	10.05	0.00	10.05	0.00	0.97	0.10	0.00	1.07	0.00	20.0	0.0	0.	0.00
110	9.200	31.73	0.0	0.0	0.0	5.07	10.06	0.00	10.06	0.00	0.97	0.10	0.00	1.07	0.00	20.0	0.0	0.	0.00
111	9.100	31.74	0.0	0.0	0.0	5.07	10.07	0.00	10.07	0.00	0.97	0.10	0.00	1.07	0.00	20.0	0.0	0.	0.00
112	9.000	31.74	0.0	0.0	0.0	5.07	10.07	0.00	10.07	0.00	0.97	0.10	0.00	1.07	0.00	20.0	0.0	0.	0.00
113	8.900	31.75	0.0	0.0	0.0	5.07	10.08	0.00	10.08	0.00	0.97	0.10	0.00	1.07	0.00	20.0	0.0	0.	0.00
114	8.800	31.75	0.0	0.0	0.0	5.06	10.09	0.00	10.09	0.00	0.96	0.10	0.00	1.06	0.00	20.0	0.0	0.	0.00
115	8.700	31.76	0.0	0.0	0.0	5.06	10.11	0.00	10.11	0.00	0.96	0.10	0.00	1.06	0.00	20.0	0.0	0.	0.00
116	8.600	31.76	0.0	0.0	0.0	5.06	10.14	0.00	10.14	0.00	0.96	0.10	0.00	1.06	0.00	20.0	0.0	0.	0.00
117	8.500	31.77	0.0	0.0	0.0	5.05	10.22	0.00	10.22	0.00	0.96	0.10	0.00	1.06	0.00	20.0	0.0	0.	0.00
118	8.400	31.77	0.0	0.0	0.0	5.04	10.39	0.00	10.39	0.00	0.96	0.10	0.00	1.06	0.00	20.0	0.0	0.	0.00
119	8.300	31.78	0.0	0.0	0.0	5.02	10.81	0.00	10.81	0.00	0.96	0.11	0.00	1.07	0.00	20.0	0.0	0.	0.00
120	8.200	31.78	0.0	0.0	0.0	5.00	10.78	0.00	10.78	0.00	0.96	0.11	0.00	1.07	0.00	20.0	0.0	0.	0.00
121	8.100	31.79	0.0	0.0	0.0	4.99	10.76	0.00	10.76	0.00	0.95	0.11	0.00	1.07	0.00	20.0	0.0	0.	0.00
122	8.000	31.79	0.0	0.0	0.0	4.98	10.73	0.00	10.73	0.00	0.95	0.11	0.00	1.06	0.00	20.0	0.0	0.	0.00
123	7.900	31.80	0.0	0.0	0.0	4.98	10.71	0.00	10.71	0.00	0.95	0.11	0.00	1.06	0.00	20.0	0.0	0.	0.00
124	7.800	31.80	0.0	0.0	0.0	4.97	10.69	0.00	10.69	0.00	0.95	0.11	0.00	1.06	0.00	20.0	0.0	0.	0.00
125	7.700	31.81	0.0	0.0	0.0	4.97	10.66	0.00	10.66	0.00	0.95	0.11	0.00	1.06	0.00	20.0	0.0	0.	0.00
126	7.600	31.81	0.0	0.0	0.0	4.97	10.64	0.00	10.64	0.00	0.95	0.11	0.00	1.05	0.00	20.0	0.0	0.	0.00
127	7.500	31.82	0.0	0.0	0.0	4.97	10.62	0.00	10.62	0.00	0.94	0.11	0.00	1.05	0.00	20.0	0.0	0.	0.00
128	7.400	31.82	0.0	0.0	0.0	4.97	10.61	0.00	10.61	0.00	0.94	0.11	0.00	1.05	0.00	20.0	0.0	0.	0.00
129	7.300	31.83	0.0	0.0	0.0	4.97	10.59	0.00	10.59	0.00	0.94	0.11	0.00	1.05	0.00	20.0	0.0	0.	0.00
130	7.200	31.83	0.0	0.0	0.0	4.97	10.57	0.00	10.57	0.00	0.94	0.11	0.00	1.05	0.00	20.0	0.0	0.	0.00
131	7.100	31.84	0.0	0.0	0.0	4.97	10.56	0.00	10.56	0.00	0.94	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
132	7.000	31.84	0.0	0.0	0.0	4.97	10.54	0.00	10.54	0.00	0.94	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
133	6.900	31.84	0.0	0.0	0.0	4.97	10.52	0.00	10.52	0.00	0.94	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
134	6.800	31.85	0.0	0.0	0.0	4.97	10.51	0.00	10.51	0.00	0.93	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
135	6.700	31.85	0.0	0.0	0.0	4.97	10.50	0.00	10.50	0.00	0.93	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
136	6.600	31.86	0.0	0.0	0.0	4.97	10.48	0.00	10.48	0.00	0.93	0.10	0.00	1.03	0.00	20.0	0.0	0.	0.00
137	6.500	31.86	0.0	0.0	0.0	4.97	10.47	0.00	10.47	0.00	0.93	0.10	0.00	1.03	0.00	20.0	0.0	0.	0.00
138	6.400	31.87	0.0	0.0	0.0	4.98	10.46	0.00	10.46	0.00	0.93	0.10	0.00	1.03	0.00	20.0	0.0	0.	0.00
139	6.300	31.87	0.0	0.0	0.0	4.98	10.45	0.00	10.45	0.00	0.93	0.10	0.00	1.03	0.00	20.0	0.0	0.	0.00
140	6.200	31.88	0.0	0.0	0.0	4.98	10.44	0.00	10.44	0.00	0.93	0.10	0.00	1.03	0.00	20.0	0.0	0.	0.00
141	6.100	31.88	0.0	0.0	0.0	4.98	10.43	0.00	10.43	0.00	0.93	0.10	0.00	1.03	0.00	20.0	0.0	0.	0.00
142	6.000	31.89	0.0	0.0	0.0	4.98	10.42	0.00	10.42	0.00	0.92	0.10	0.00	1.02	0.00	20.0	0.0	0.	0.00
143	5.900	31.89	0.0	0.0	0.0	4.98	10.41	0.00	10.41	0.00	0.92	0.10	0.00	1.02	0.00	20.0	0.0	0.	0.00
144	5.800	31.90	0.0	0.0	0.0	4.98	10.40	0.00	10.40	0.00	0.92	0.10	0.00	1.02	0.00	20.0	0.0	0.	0.00
145	5.700	31.90	0.0	0.0	0.0	4.98	10.39	0.00	10.39	0.00	0.92	0.10	0.00	1.02	0.00	20.0	0.0	0.	0.00
146	5.600	31.91	0.0	0.0	0.0	4.98	10.38	0.00	10.38	0.00	0.92	0.10	0.00	1.02	0.00	20.0	0.0	0.	0.00
147	5.500	31.91	0.0	0.0	0.0	4.98	10.37	0.00	10.37	0.00	0.92	0.10	0.00	1.02	0.00	20.0	0.0	0.	0.00

148	5.400	31.92	0.0	0.0	0.0	4.98	10.36	0.00	10.36	0.00	0.92	0.10	0.00	1.02	0.00	20.0	0.0	0.	0.00
149	5.300	31.92	0.0	0.0	0.0	4.98	10.35	0.00	10.35	0.00	0.92	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
150	5.200	31.93	0.0	0.0	0.0	4.98	10.35	0.00	10.35	0.00	0.92	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
151	5.100	31.93	0.0	0.0	0.0	4.98	10.34	0.00	10.34	0.00	0.91	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
152	5.000	31.94	0.0	0.0	0.0	4.98	10.33	0.00	10.33	0.00	0.91	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
153	4.900	31.94	0.0	0.0	0.0	4.99	10.33	0.00	10.33	0.00	0.91	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
154	4.800	31.95	0.0	0.0	0.0	4.99	10.32	0.00	10.32	0.00	0.91	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
155	4.700	31.95	0.0	0.0	0.0	4.99	10.31	0.00	10.31	0.00	0.91	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
156	4.600	31.96	0.0	0.0	0.0	4.99	10.31	0.00	10.31	0.00	0.91	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
157	4.500	31.96	0.0	0.0	0.0	4.99	10.30	0.00	10.30	0.00	0.91	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
158	4.400	31.97	0.0	0.0	0.0	4.99	10.29	0.00	10.29	0.00	0.91	0.10	0.00	1.00	0.00	20.0	0.0	0.	0.00
159	4.300	31.97	0.0	0.0	0.0	4.99	10.29	0.00	10.29	0.00	0.91	0.10	0.00	1.00	0.00	20.0	0.0	0.	0.00
160	4.200	31.98	0.0	0.0	0.0	4.99	10.28	0.00	10.28	0.00	0.91	0.10	0.00	1.00	0.00	20.0	0.0	0.	0.00
161	4.100	31.98	0.0	0.0	0.0	4.98	10.26	0.00	10.26	0.00	0.91	0.10	0.00	1.00	0.00	20.0	0.0	0.	0.00
162	4.000	31.99	0.0	0.0	0.0	4.98	10.21	0.00	10.21	0.00	0.91	0.10	0.00	1.00	0.00	20.0	0.0	0.	0.00
163	3.900	31.99	0.0	0.0	0.0	4.95	10.06	0.00	10.06	0.00	0.92	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
164	3.800	32.00	0.0	0.0	0.0	4.85	9.64	0.00	9.64	0.00	0.94	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
165	3.700	32.00	0.0	0.0	0.0	4.47	8.34	0.00	8.34	0.00	1.01	0.11	0.00	1.12	0.00	20.0	0.0	0.	0.00
180	3.600	31.98	0.0	0.0	0.0	4.24	7.71	0.00	7.71	0.00	1.04	0.11	0.00	1.16	0.00	20.0	0.0	0.	0.00
181	3.500	31.97	0.0	0.0	0.0	4.30	7.88	0.00	7.88	0.00	1.04	0.11	0.00	1.15	0.00	20.0	0.0	0.	0.00
182	3.400	31.95	0.0	0.0	0.0	4.35	8.05	0.00	8.05	0.00	1.04	0.11	0.00	1.15	0.00	20.0	0.0	0.	0.00
183	3.300	31.94	0.0	0.0	0.0	4.39	8.21	0.00	8.21	0.00	1.03	0.11	0.00	1.14	0.00	20.0	0.0	0.	0.00
184	3.200	31.92	0.0	0.0	0.0	4.42	8.37	0.00	8.37	0.00	1.03	0.11	0.00	1.14	0.00	20.0	0.0	0.	0.00
185	3.100	31.90	0.0	0.0	0.0	4.44	8.52	0.00	8.52	0.00	1.02	0.11	0.00	1.14	0.00	20.0	0.0	0.	0.00
186	3.000	31.89	0.0	0.0	0.0	4.46	8.66	0.00	8.66	0.00	1.02	0.11	0.00	1.13	0.00	20.0	0.0	0.	0.00
187	2.900	31.87	0.0	0.0	0.0	4.46	8.80	0.00	8.80	0.00	1.02	0.11	0.00	1.13	0.00	20.0	0.0	0.	0.00
188	2.800	31.85	0.0	0.0	0.0	4.47	8.93	0.00	8.93	0.00	1.01	0.11	0.00	1.12	0.00	20.0	0.0	0.	0.00
189	2.700	31.84	0.0	0.0	0.0	4.47	9.06	0.00	9.06	0.00	1.01	0.11	0.00	1.12	0.00	20.0	0.0	0.	0.00
190	2.600	31.82	0.0	0.0	0.0	4.47	9.19	0.00	9.19	0.00	1.00	0.11	0.00	1.11	0.00	20.0	0.0	0.	0.00
191	2.500	31.81	0.0	0.0	0.0	4.46	9.31	0.00	9.31	0.00	1.00	0.11	0.00	1.11	0.00	20.0	0.0	0.	0.00
192	2.400	31.79	0.0	0.0	0.0	4.45	9.43	0.00	9.43	0.00	1.00	0.11	0.00	1.11	0.00	20.0	0.0	0.	0.00
193	2.300	31.77	0.0	0.0	0.0	4.44	9.54	0.00	9.54	0.00	0.99	0.11	0.00	1.10	0.00	20.0	0.0	0.	0.00
194	2.200	31.76	0.0	0.0	0.0	4.43	9.65	0.00	9.65	0.00	0.99	0.11	0.00	1.10	0.00	20.0	0.0	0.	0.00
195	2.100	31.74	0.0	0.0	0.0	4.42	9.75	0.00	9.75	0.00	0.99	0.11	0.00	1.09	0.00	20.0	0.0	0.	0.00
196	2.000	31.72	0.0	0.0	0.0	4.40	9.85	0.00	9.85	0.00	0.98	0.11	0.00	1.09	0.00	20.0	0.0	0.	0.00
197	1.900	31.71	0.0	0.0	0.0	4.39	9.95	0.00	9.95	0.00	0.98	0.11	0.00	1.08	0.00	20.0	0.0	0.	0.00
198	1.800	31.69	0.0	0.0	0.0	4.37	10.05	0.00	10.05	0.00	0.97	0.11	0.00	1.08	0.00	20.0	0.0	0.	0.00
199	1.700	31.68	0.0	0.0	0.0	4.35	10.14	0.00	10.14	0.00	0.97	0.11	0.00	1.08	0.00	20.0	0.0	0.	0.00
200	1.600	31.66	0.0	0.0	0.0	4.34	10.23	0.00	10.23	0.00	0.97	0.11	0.00	1.07	0.00	20.0	0.0	0.	0.00
201	1.500	31.64	0.0	0.0	0.0	4.32	10.31	0.00	10.31	0.00	0.96	0.11	0.00	1.07	0.00	20.0	0.0	0.	0.00
202	1.400	31.63	0.0	0.0	0.0	4.30	10.39	0.00	10.39	0.00	0.96	0.10	0.00	1.06	0.00	20.0	0.0	0.	0.00
203	1.300	31.61	0.0	0.0	0.0	4.29	10.47	0.00	10.47	0.00	0.96	0.10	0.00	1.06	0.00	20.0	0.0	0.	0.00
204	1.200	31.59	0.0	0.0	0.0	4.27	10.55	0.00	10.55	0.00	0.95	0.10	0.00	1.06	0.00	20.0	0.0	0.	0.00
205	1.100	31.58	0.0	0.0	0.0	4.25	10.62	0.00	10.62	0.00	0.95	0.10	0.00	1.05	0.00	20.0	0.0	0.	0.00
206	1.000	31.56	0.0	0.0	0.0	4.24	10.70	0.00	10.70	0.00	0.94	0.10	0.00	1.05	0.00	20.0	0.0	0.	0.00
207	0.900	31.55	0.0	0.0	0.0	4.22	10.76	0.00	10.76	0.00	0.94	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
208	0.800	31.53	0.0	0.0	0.0	4.21	10.83	0.00	10.83	0.00	0.94	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
209	0.700	31.51	0.0	0.0	0.0	4.19	10.89	0.00	10.89	0.00	0.93	0.10	0.00	1.04	0.00	20.0	0.0	0.	0.00
210	0.600	31.50	0.0	0.0	0.0	4.18	10.95	0.00	10.95	0.00	0.93	0.10	0.00	1.03	0.00	20.0	0.0	0.	0.00
211	0.500	31.48	0.0	0.0	0.0	4.17	10.99	0.00	10.99	0.00	0.92	0.10	0.00	1.02	0.00	20.0	0.0	0.	0.00

212	0.400	31.46	0.0	0.0	0.0	4.16	10.99	0.00	10.99	0.00	0.91	0.10	0.00	1.01	0.00	20.0	0.0	0.	0.00
213	0.300	31.45	0.0	0.0	0.0	4.17	10.91	0.00	10.91	0.00	0.89	0.10	0.00	0.99	0.00	20.0	0.0	0.	0.00
214	0.200	31.43	0.0	0.0	0.0	4.22	10.60	0.00	10.60	0.00	0.84	0.10	0.00	0.94	0.00	20.0	0.0	0.	0.00
215	0.100	31.42	0.0	0.0	0.0	4.33	9.70	0.00	9.70	0.00	0.71	0.10	0.00	0.81	0.00	20.0	0.0	0.	0.00
216	0.000	31.40	0.0	0.0	0.0	4.58	7.26	0.00	7.26	0.00	0.39	0.10	0.00	0.49	0.00	20.0	0.0	0.	0.00

SPECIAL REPORT: ICWWtoBlue

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 *
166	1.300	32.00	0.0	0.0	0.0	3.58	4.43	0.00	4.43	0.00	1.13	0.12	0.00	1.25	0.00	20.0	0.0	0.	0.00
167	1.200	32.00	0.0	0.0	0.0	3.69	4.71	0.00	4.71	0.00	1.13	0.12	0.00	1.25	0.00	20.0	0.0	0.	0.00
168	1.100	32.00	0.0	0.0	0.0	3.79	4.97	0.00	4.97	0.00	1.12	0.12	0.00	1.24	0.00	20.0	0.0	0.	0.00
169	1.000	32.00	0.0	0.0	0.0	3.86	5.21	0.00	5.21	0.00	1.12	0.12	0.00	1.23	0.00	20.0	0.0	0.	0.00
170	0.900	32.00	0.0	0.0	0.0	3.92	5.45	0.00	5.45	0.00	1.11	0.12	0.00	1.23	0.00	20.0	0.0	0.	0.00
171	0.800	32.00	0.0	0.0	0.0	3.97	5.68	0.00	5.68	0.00	1.11	0.12	0.00	1.22	0.00	20.0	0.0	0.	0.00
172	0.700	32.00	0.0	0.0	0.0	4.00	5.90	0.00	5.90	0.00	1.10	0.12	0.00	1.22	0.00	20.0	0.0	0.	0.00
173	0.600	32.00	0.0	0.0	0.0	4.02	6.11	0.00	6.11	0.00	1.10	0.12	0.00	1.21	0.00	20.0	0.0	0.	0.00
174	0.500	32.00	0.0	0.0	0.0	4.04	6.31	0.00	6.31	0.00	1.09	0.12	0.00	1.21	0.00	20.0	0.0	0.	0.00
175	0.400	32.00	0.0	0.0	0.0	4.04	6.50	0.00	6.50	0.00	1.09	0.12	0.00	1.20	0.00	20.0	0.0	0.	0.00
176	0.300	32.00	0.0	0.0	0.0	4.04	6.69	0.00	6.69	0.00	1.08	0.12	0.00	1.20	0.00	20.0	0.0	0.	0.00
177	0.200	32.00	0.0	0.0	0.0	4.04	6.89	0.00	6.89	0.00	1.07	0.12	0.00	1.19	0.00	20.0	0.0	0.	0.00
178	0.100	32.00	0.0	0.0	0.0	4.06	7.11	0.00	7.11	0.00	1.07	0.12	0.00	1.18	0.00	20.0	0.0	0.	0.00
179	0.000	32.00	0.0	0.0	0.0	4.11	7.39	0.00	7.39	0.00	1.06	0.11	0.00	1.17	0.00	20.0	0.0	0.	0.00

SPECIAL REPORT: BayouBlue#1

BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	DIST km	SAT D.O. mg/L	REAER RATE 1/da	DECAY 1/da	SETT 1/da	BOD#1 DECAY 1/da	BOD#1 DECAY 1/da	ABOD#1 SETT 1/da	BOD#1 DECAY *	BOD#2 SETT *	ABOD#2 DECAY 1/da	FULL SOD 1/da	CORR SOD 1/da	ORG-N DECAY *	ORG-N SETT 1/da	NH3 DECAY *	NH3 SRCE **	DENIT RATE **	PO4 SRCE 1/da	ALG PROD 1/da	MAC PROD 1/da	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
1	20.100	7.40	3.84	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
2	20.000	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
3	19.900	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
4	19.800	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
5	19.700	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
6	19.600	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
7	19.500	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
8	19.400	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
9	19.300	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
10	19.200	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
11	19.100	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
12	19.000	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
13	18.900	7.40	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
14	18.800	7.40	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
15	18.700	7.40	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
16	18.600	7.39	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
17	18.500	7.39	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
18	18.400	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
19	18.300	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
20	18.200	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
21	18.100	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
22	18.000	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00

23	17.900	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
24	17.800	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
25	17.700	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
26	17.600	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
27	17.500	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
28	17.400	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
29	17.300	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
30	17.200	7.39	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
31	17.100	7.39	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
32	17.000	7.39	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
33	16.900	7.38	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
34	16.800	7.38	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
35	16.700	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
36	16.600	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
37	16.500	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
38	16.400	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
39	16.300	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
40	16.200	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
41	16.100	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
42	16.000	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
43	15.900	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
44	15.800	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
45	15.700	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
46	15.600	7.38	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
47	15.500	7.38	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
48	15.400	7.38	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
49	15.300	7.37	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
50	15.200	7.37	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
51	15.100	7.37	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
52	15.000	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
53	14.900	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
54	14.800	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
55	14.700	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
56	14.600	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
57	14.500	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
58	14.400	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
59	14.300	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
60	14.200	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
61	14.100	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
62	14.000	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
63	13.900	7.37	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
64	13.800	7.37	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
65	13.700	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
66	13.600	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
67	13.500	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
68	13.400	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
69	13.300	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
70	13.200	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
71	13.100	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
72	13.000	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00

73	12.900	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
74	12.800	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
75	12.700	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
76	12.600	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
77	12.500	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
78	12.400	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
79	12.300	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
80	12.200	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
81	12.100	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
82	12.000	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
83	11.900	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
84	11.800	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
85	11.700	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
86	11.600	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
87	11.500	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
88	11.400	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
89	11.300	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
90	11.200	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
91	11.100	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
92	11.000	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
93	10.900	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
94	10.800	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
95	10.700	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
96	10.600	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
97	10.500	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
98	10.400	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
99	10.300	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
100	10.200	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
101	10.100	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
102	10.000	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
103	9.900	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
104	9.800	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
105	9.700	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
106	9.600	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
107	9.500	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
108	9.400	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
109	9.300	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
110	9.200	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
111	9.100	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
112	9.000	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
113	8.900	7.34	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
114	8.800	7.34	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
115	8.700	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
116	8.600	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
117	8.500	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
118	8.400	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
119	8.300	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
120	8.200	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
121	8.100	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
122	8.000	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00

123	7.900	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
124	7.800	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
125	7.700	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
126	7.600	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
127	7.500	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
128	7.400	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
129	7.300	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
130	7.200	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
131	7.100	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
132	7.000	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
133	6.900	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
134	6.800	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
135	6.700	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
136	6.600	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
137	6.500	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
138	6.400	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
139	6.300	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
140	6.200	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
141	6.100	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
142	6.000	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
143	5.900	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
144	5.800	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
145	5.700	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
146	5.600	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
147	5.500	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
148	5.400	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
149	5.300	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
150	5.200	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
151	5.100	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
152	5.000	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
153	4.900	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
154	4.800	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
155	4.700	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
156	4.600	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
157	4.500	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
158	4.400	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
159	4.300	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
160	4.200	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
161	4.100	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
162	4.000	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
163	3.900	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
164	3.800	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
165	3.700	7.30	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
180	3.600	7.31	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
181	3.500	7.31	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
182	3.400	7.31	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
183	3.300	7.31	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
184	3.200	7.31	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
185	3.100	7.32	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
186	3.000	7.32	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00

187	2.900	7.32	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
188	2.800	7.32	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
189	2.700	7.32	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
190	2.600	7.33	0.97	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
191	2.500	7.33	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
192	2.400	7.33	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
193	2.300	7.33	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
194	2.200	7.33	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
195	2.100	7.34	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
196	2.000	7.34	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
197	1.900	7.34	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
198	1.800	7.34	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
199	1.700	7.34	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
200	1.600	7.35	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
201	1.500	7.35	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
202	1.400	7.35	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
203	1.300	7.35	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
204	1.200	7.36	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
205	1.100	7.36	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
206	1.000	7.36	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
207	0.900	7.36	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
208	0.800	7.36	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
209	0.700	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
210	0.600	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
211	0.500	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
212	0.400	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
213	0.300	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
214	0.200	7.38	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
215	0.100	7.38	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
216	0.000	7.38	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00

SPECIAL REPORT: ICWWtoBlue

BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST km	SAT D.O. mg/L	REAER RATE 1/da	DECAY 1/da	SETT 1/da	BOD#1 DECAY 1/da	BOD#1 DECAY 1/da	ABOD#1 DECAY 1/da	BOD#1 SETT *	BOD#2 SETT *	BOD#2 DECAY 1/da	ABOD#2 SOD 1/da	FULL SOD 1/da	CORR DECAY *	ORG-N SETT 1/da	ORG-N DECAY *	NH3 SRCE **	NH3 RATE **	SRCE 1/da	DENIT DECAY 1/da	PO4 PROD 1/da	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
166	1.300	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
167	1.200	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
168	1.100	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
169	1.000	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
170	0.900	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
171	0.800	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
172	0.700	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
173	0.600	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
174	0.500	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
175	0.400	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
176	0.300	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
177	0.200	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
178	0.100	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
179	0.000	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				

FINAL REPORT BayouBlue#1 LA-QUAL calibration for Bayou Blue

REACH NO. 1 BayouBlue#1 FTN Field Survey calibration

********** 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
1	HDWTR	0.39600	31.20	0.00	0.00	0.00	4.32	4.90	0.00	4.90	0.00	1.20	0.11	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.00030	30.90	0.00	0.00	0.00	4.32	4.90	0.00			1.20	0.11	0.00	0.00	0.00	0.00	
63	WSTLD	-0.39638	31.51	0.00	0.00	0.00	6.52	6.23	0.00	6.23	0.00	1.17	0.11	0.00	0.00	20.00	0.00	0.00
119	WSTLD	0.00020	31.20	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	1.40	1.50	0.00	0.00	0.00	0.00	0.00
119	WSTLD	0.00017	31.20	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	1.40	1.50	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	20.20	20.10	0.39630	0.0	0.07926	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.079
2	20.10	20.00	0.39661	0.0	0.07932	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.079
3	20.00	19.90	0.39691	0.0	0.07938	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.079
4	19.90	19.80	0.39721	0.0	0.07944	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.079
5	19.80	19.70	0.39752	0.0	0.07950	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
6	19.70	19.60	0.39782	0.0	0.07956	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
7	19.60	19.50	0.39812	0.0	0.07962	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
8	19.50	19.40	0.39842	0.0	0.07968	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
9	19.40	19.30	0.39873	0.0	0.07975	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
10	19.30	19.20	0.39903	0.0	0.07981	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
11	19.20	19.10	0.39933	0.0	0.07987	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
12	19.10	19.00	0.39964	0.0	0.07993	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
13	19.00	18.90	0.39994	0.0	0.07999	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
14	18.90	18.80	0.40024	0.0	0.08005	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
15	18.80	18.70	0.40055	0.0	0.08011	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
16	18.70	18.60	0.40085	0.0	0.08017	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
17	18.60	18.50	0.40115	0.0	0.08023	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
18	18.50	18.40	0.40145	0.0	0.08029	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
19	18.40	18.30	0.40176	0.0	0.08035	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
20	18.30	18.20	0.40206	0.0	0.08041	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
21	18.20	18.10	0.40236	0.0	0.08047	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.080
22	18.10	18.00	0.40267	0.0	0.08053	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
23	18.00	17.90	0.40297	0.0	0.08059	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
24	17.90	17.80	0.40327	0.0	0.08065	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
25	17.80	17.70	0.40358	0.0	0.08072	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
26	17.70	17.60	0.40388	0.0	0.08078	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
27	17.60	17.50	0.40418	0.0	0.08084	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
28	17.50	17.40	0.40448	0.0	0.08090	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
29	17.40	17.30	0.40479	0.0	0.08096	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
30	17.30	17.20	0.40509	0.0	0.08102	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
31	17.20	17.10	0.40539	0.0	0.08108	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
32	17.10	17.00	0.40570	0.0	0.08114	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
33	17.00	16.90	0.40600	0.0	0.08120	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
34	16.90	16.80	0.40630	0.0	0.08126	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
35	16.80	16.70	0.40661	0.0	0.08132	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
36	16.70	16.60	0.40691	0.0	0.08138	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081
37	16.60	16.50	0.40721	0.0	0.08144	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.081

38	16.50	16.40	0.40752	0.0	0.08150	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
39	16.40	16.30	0.40782	0.0	0.08156	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
40	16.30	16.20	0.40812	0.0	0.08162	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
41	16.20	16.10	0.40842	0.0	0.08168	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
42	16.10	16.00	0.40873	0.0	0.08175	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
43	16.00	15.90	0.40903	0.0	0.08181	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
44	15.90	15.80	0.40933	0.0	0.08187	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
45	15.80	15.70	0.40964	0.0	0.08193	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
46	15.70	15.60	0.40994	0.0	0.08199	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
47	15.60	15.50	0.41024	0.0	0.08205	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
48	15.50	15.40	0.41055	0.0	0.08211	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
49	15.40	15.30	0.41085	0.0	0.08217	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
50	15.30	15.20	0.41115	0.0	0.08223	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
51	15.20	15.10	0.41145	0.0	0.08229	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
52	15.10	15.00	0.41176	0.0	0.08235	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
53	15.00	14.90	0.41206	0.0	0.08241	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
54	14.90	14.80	0.41236	0.0	0.08247	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.082
55	14.80	14.70	0.41267	0.0	0.08253	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.083
56	14.70	14.60	0.41297	0.0	0.08259	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.083
57	14.60	14.50	0.41327	0.0	0.08265	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.083
58	14.50	14.40	0.41358	0.0	0.08272	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.083
59	14.40	14.30	0.41388	0.0	0.08278	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.083
60	14.30	14.20	0.41418	0.0	0.08284	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.083
61	14.20	14.10	0.41448	0.0	0.08290	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.083
62	14.10	14.00	0.41479	0.0	0.08296	0.01	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.083
63	14.00	13.90	0.01871	0.0	0.00374	0.31	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
64	13.90	13.80	0.01901	0.0	0.00380	0.30	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
65	13.80	13.70	0.01932	0.0	0.00386	0.30	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
66	13.70	13.60	0.01962	0.0	0.00392	0.29	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
67	13.60	13.50	0.01992	0.0	0.00398	0.29	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
68	13.50	13.40	0.02023	0.0	0.00405	0.29	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
69	13.40	13.30	0.02053	0.0	0.00411	0.28	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
70	13.30	13.20	0.02083	0.0	0.00417	0.28	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
71	13.20	13.10	0.02114	0.0	0.00423	0.27	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
72	13.10	13.00	0.02144	0.0	0.00429	0.27	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
73	13.00	12.90	0.02174	0.0	0.00435	0.27	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
74	12.90	12.80	0.02204	0.0	0.00441	0.26	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
75	12.80	12.70	0.02235	0.0	0.00447	0.26	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.004
76	12.70	12.60	0.02265	0.0	0.00453	0.26	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
77	12.60	12.50	0.02295	0.0	0.00459	0.25	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
78	12.50	12.40	0.02326	0.0	0.00465	0.25	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
79	12.40	12.30	0.02356	0.0	0.00471	0.25	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
80	12.30	12.20	0.02386	0.0	0.00477	0.24	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
81	12.20	12.10	0.02417	0.0	0.00483	0.24	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
82	12.10	12.00	0.02447	0.0	0.00489	0.24	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
83	12.00	11.90	0.02477	0.0	0.00495	0.23	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
84	11.90	11.80	0.02507	0.0	0.00501	0.23	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
85	11.80	11.70	0.02538	0.0	0.00508	0.23	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
86	11.70	11.60	0.02568	0.0	0.00514	0.23	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
87	11.60	11.50	0.02598	0.0	0.00520	0.22	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005

88	11.50	11.40	0.02629	0.0	0.00526	0.22	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
89	11.40	11.30	0.02659	0.0	0.00532	0.22	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
90	11.30	11.20	0.02689	0.0	0.00538	0.22	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
91	11.20	11.10	0.02720	0.0	0.00544	0.21	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
92	11.10	11.00	0.02750	0.0	0.00550	0.21	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.005
93	11.00	10.90	0.02780	0.0	0.00556	0.21	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
94	10.90	10.80	0.02810	0.0	0.00562	0.21	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
95	10.80	10.70	0.02841	0.0	0.00568	0.20	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
96	10.70	10.60	0.02871	0.0	0.00574	0.20	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
97	10.60	10.50	0.02901	0.0	0.00580	0.20	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
98	10.50	10.40	0.02932	0.0	0.00586	0.20	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
99	10.40	10.30	0.02962	0.0	0.00592	0.20	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
100	10.30	10.20	0.02992	0.0	0.00598	0.19	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
101	10.20	10.10	0.03023	0.0	0.00605	0.19	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
102	10.10	10.00	0.03053	0.0	0.00611	0.19	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
103	10.00	9.90	0.03083	0.0	0.00617	0.19	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
104	9.90	9.80	0.03114	0.0	0.00623	0.19	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
105	9.80	9.70	0.03144	0.0	0.00629	0.18	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
106	9.70	9.60	0.03174	0.0	0.00635	0.18	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
107	9.60	9.50	0.03204	0.0	0.00641	0.18	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
108	9.50	9.40	0.03235	0.0	0.00647	0.18	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.006
109	9.40	9.30	0.03265	0.0	0.00653	0.18	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
110	9.30	9.20	0.03295	0.0	0.00659	0.18	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
111	9.20	9.10	0.03326	0.0	0.00665	0.17	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
112	9.10	9.00	0.03356	0.0	0.00671	0.17	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
113	9.00	8.90	0.03386	0.0	0.00677	0.17	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
114	8.90	8.80	0.03417	0.0	0.00683	0.17	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
115	8.80	8.70	0.03447	0.0	0.00689	0.17	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
116	8.70	8.60	0.03477	0.0	0.00695	0.17	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
117	8.60	8.50	0.03507	0.0	0.00701	0.16	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
118	8.50	8.40	0.03538	0.0	0.00708	0.16	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
119	8.40	8.30	0.03605	1.0	0.00721	0.16	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
120	8.30	8.20	0.03635	1.0	0.00727	0.16	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
121	8.20	8.10	0.03666	1.0	0.00733	0.16	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
122	8.10	8.00	0.03696	1.0	0.00739	0.16	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
123	8.00	7.90	0.03726	1.0	0.00745	0.16	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.007
124	7.90	7.80	0.03757	1.0	0.00751	0.15	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
125	7.80	7.70	0.03787	1.0	0.00757	0.15	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
126	7.70	7.60	0.03817	1.0	0.00763	0.15	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
127	7.60	7.50	0.03847	1.0	0.00769	0.15	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
128	7.50	7.40	0.03878	1.0	0.00776	0.15	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
129	7.40	7.30	0.03908	0.9	0.00782	0.15	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
130	7.30	7.20	0.03938	0.9	0.00788	0.15	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
131	7.20	7.10	0.03969	0.9	0.00794	0.15	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
132	7.10	7.00	0.03999	0.9	0.00800	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
133	7.00	6.90	0.04029	0.9	0.00806	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
134	6.90	6.80	0.04060	0.9	0.00812	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
135	6.80	6.70	0.04090	0.9	0.00818	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
136	6.70	6.60	0.04120	0.9	0.00824	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
137	6.60	6.50	0.04151	0.9	0.00830	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008

138	6.50	6.40	0.04181	0.9	0.00836	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
139	6.40	6.30	0.04211	0.9	0.00842	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
140	6.30	6.20	0.04241	0.9	0.00848	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.008
141	6.20	6.10	0.04272	0.9	0.00854	0.14	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
142	6.10	6.00	0.04302	0.9	0.00860	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
143	6.00	5.90	0.04332	0.9	0.00866	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
144	5.90	5.80	0.04363	0.8	0.00873	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
145	5.80	5.70	0.04393	0.8	0.00879	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
146	5.70	5.60	0.04423	0.8	0.00885	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
147	5.60	5.50	0.04454	0.8	0.00891	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
148	5.50	5.40	0.04484	0.8	0.00897	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
149	5.40	5.30	0.04514	0.8	0.00903	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
150	5.30	5.20	0.04544	0.8	0.00909	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
151	5.20	5.10	0.04575	0.8	0.00915	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
152	5.10	5.00	0.04605	0.8	0.00921	0.13	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
153	5.00	4.90	0.04635	0.8	0.00927	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
154	4.90	4.80	0.04666	0.8	0.00933	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
155	4.80	4.70	0.04696	0.8	0.00939	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
156	4.70	4.60	0.04726	0.8	0.00945	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.009
157	4.60	4.50	0.04757	0.8	0.00951	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
158	4.50	4.40	0.04787	0.8	0.00957	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
159	4.40	4.30	0.04817	0.8	0.00963	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
160	4.30	4.20	0.04847	0.8	0.00969	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
161	4.20	4.10	0.04878	0.8	0.00976	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
162	4.10	4.00	0.04908	0.8	0.00982	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
163	4.00	3.90	0.04938	0.7	0.00988	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
164	3.90	3.80	0.04969	0.7	0.00994	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
165	3.80	3.70	0.04999	0.7	0.01000	0.12	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.010
TOT					19.67				82500.00	165000.00					
AVG				0.0097			0.50	10.00			5.00				
CUM					19.67										

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

ELEM NO.	ENDING DIST mg/L	SAT D.O.	REAER RATE 1/da	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
1	20.100	7.40	3.84	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
2	20.000	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
3	19.900	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
4	19.800	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
5	19.700	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
6	19.600	7.40	3.85	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
7	19.500	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
8	19.400	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
9	19.300	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
10	19.200	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
11	19.100	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
12	19.000	7.40	3.86	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
13	18.900	7.40	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
14	18.800	7.40	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
15	18.700	7.40	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	

16	18.600	7.39	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
17	18.500	7.39	3.87	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
18	18.400	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
19	18.300	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
20	18.200	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
21	18.100	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
22	18.000	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
23	17.900	7.39	3.88	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
24	17.800	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
25	17.700	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
26	17.600	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
27	17.500	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
28	17.400	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
29	17.300	7.39	3.89	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
30	17.200	7.39	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
31	17.100	7.39	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
32	17.000	7.39	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
33	16.900	7.38	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
34	16.800	7.38	3.90	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
35	16.700	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
36	16.600	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
37	16.500	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
38	16.400	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
39	16.300	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
40	16.200	7.38	3.91	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
41	16.100	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
42	16.000	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
43	15.900	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
44	15.800	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
45	15.700	7.38	3.92	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
46	15.600	7.38	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
47	15.500	7.38	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
48	15.400	7.38	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
49	15.300	7.37	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
50	15.200	7.37	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
51	15.100	7.37	3.93	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
52	15.000	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
53	14.900	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
54	14.800	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
55	14.700	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
56	14.600	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
57	14.500	7.37	3.94	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
58	14.400	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
59	14.300	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
60	14.200	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
61	14.100	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
62	14.000	7.37	3.95	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
63	13.900	7.37	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
64	13.800	7.37	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
65	13.700	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00

66	13.600	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
67	13.500	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
68	13.400	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
69	13.300	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
70	13.200	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
71	13.100	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
72	13.000	7.36	1.73	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
73	12.900	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
74	12.800	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
75	12.700	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
76	12.600	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
77	12.500	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
78	12.400	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
79	12.300	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
80	12.200	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
81	12.100	7.36	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
82	12.000	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
83	11.900	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
84	11.800	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
85	11.700	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
86	11.600	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
87	11.500	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
88	11.400	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
89	11.300	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
90	11.200	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
91	11.100	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
92	11.000	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
93	10.900	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
94	10.800	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
95	10.700	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
96	10.600	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
97	10.500	7.35	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
98	10.400	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
99	10.300	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
100	10.200	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
101	10.100	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
102	10.000	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
103	9.900	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
104	9.800	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
105	9.700	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
106	9.600	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
107	9.500	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
108	9.400	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
109	9.300	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
110	9.200	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
111	9.100	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
112	9.000	7.34	1.73	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
113	8.900	7.34	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
114	8.800	7.34	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
115	8.700	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00

116	8.600	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
117	8.500	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
118	8.400	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
119	8.300	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
120	8.200	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
121	8.100	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
122	8.000	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
123	7.900	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
124	7.800	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
125	7.700	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
126	7.600	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
127	7.500	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
128	7.400	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
129	7.300	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
130	7.200	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
131	7.100	7.33	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
132	7.000	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
133	6.900	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
134	6.800	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
135	6.700	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
136	6.600	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
137	6.500	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
138	6.400	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
139	6.300	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
140	6.200	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
141	6.100	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
142	6.000	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
143	5.900	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
144	5.800	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
145	5.700	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
146	5.600	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
147	5.500	7.32	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
148	5.400	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
149	5.300	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
150	5.200	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
151	5.100	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
152	5.000	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
153	4.900	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
154	4.800	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
155	4.700	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
156	4.600	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
157	4.500	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
158	4.400	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
159	4.300	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
160	4.200	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
161	4.100	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
162	4.000	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
163	3.900	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
164	3.800	7.31	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
165	3.700	7.30	1.74	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 2.06 0.15 0.00 0.00 0.00 0.00 0.00 0.50 0.02 0.00 0.13 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
1	20.100	31.20	0.00	0.00	0.00	4.46	4.93	0.00	4.93	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
2	20.000	31.21	0.00	0.00	0.00	4.58	4.95	0.00	4.95	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
3	19.900	31.21	0.00	0.00	0.00	4.69	4.97	0.00	4.97	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
4	19.800	31.22	0.00	0.00	0.00	4.80	5.00	0.00	5.00	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
5	19.700	31.22	0.00	0.00	0.00	4.90	5.02	0.00	5.02	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
6	19.600	31.23	0.00	0.00	0.00	5.00	5.05	0.00	5.05	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
7	19.500	31.23	0.00	0.00	0.00	5.09	5.07	0.00	5.07	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
8	19.400	31.24	0.00	0.00	0.00	5.18	5.09	0.00	5.09	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
9	19.300	31.24	0.00	0.00	0.00	5.26	5.12	0.00	5.12	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
10	19.200	31.25	0.00	0.00	0.00	5.34	5.14	0.00	5.14	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
11	19.100	31.25	0.00	0.00	0.00	5.41	5.16	0.00	5.16	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
12	19.000	31.26	0.00	0.00	0.00	5.48	5.19	0.00	5.19	0.00	1.19	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
13	18.900	31.26	0.00	0.00	0.00	5.54	5.21	0.00	5.21	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
14	18.800	31.27	0.00	0.00	0.00	5.60	5.23	0.00	5.23	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
15	18.700	31.27	0.00	0.00	0.00	5.66	5.25	0.00	5.25	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
16	18.600	31.28	0.00	0.00	0.00	5.72	5.28	0.00	5.28	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
17	18.500	31.28	0.00	0.00	0.00	5.77	5.30	0.00	5.30	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
18	18.400	31.29	0.00	0.00	0.00	5.82	5.32	0.00	5.32	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
19	18.300	31.29	0.00	0.00	0.00	5.86	5.34	0.00	5.34	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
20	18.200	31.30	0.00	0.00	0.00	5.91	5.37	0.00	5.37	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
21	18.100	31.30	0.00	0.00	0.00	5.95	5.39	0.00	5.39	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
22	18.000	31.31	0.00	0.00	0.00	5.99	5.41	0.00	5.41	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
23	17.900	31.31	0.00	0.00	0.00	6.02	5.43	0.00	5.43	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
24	17.800	31.32	0.00	0.00	0.00	6.06	5.45	0.00	5.45	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
25	17.700	31.32	0.00	0.00	0.00	6.09	5.47	0.00	5.47	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
26	17.600	31.33	0.00	0.00	0.00	6.12	5.50	0.00	5.50	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
27	17.500	31.33	0.00	0.00	0.00	6.15	5.52	0.00	5.52	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
28	17.400	31.34	0.00	0.00	0.00	6.18	5.54	0.00	5.54	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
29	17.300	31.34	0.00	0.00	0.00	6.20	5.56	0.00	5.56	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
30	17.200	31.35	0.00	0.00	0.00	6.23	5.58	0.00	5.58	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
31	17.100	31.35	0.00	0.00	0.00	6.25	5.60	0.00	5.60	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
32	17.000	31.36	0.00	0.00	0.00	6.27	5.62	0.00	5.62	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
33	16.900	31.36	0.00	0.00	0.00	6.29	5.64	0.00	5.64	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
34	16.800	31.36	0.00	0.00	0.00	6.31	5.66	0.00	5.66	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
35	16.700	31.37	0.00	0.00	0.00	6.33	5.68	0.00	5.68	0.00	1.19	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
36	16.600	31.37	0.00	0.00	0.00	6.35	5.70	0.00	5.70	0.00	1.18	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
37	16.500	31.38	0.00	0.00	0.00	6.36	5.72	0.00	5.72	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
38	16.400	31.38	0.00	0.00	0.00	6.38	5.74	0.00	5.74	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
39	16.300	31.39	0.00	0.00	0.00	6.39	5.76	0.00	5.76	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
40	16.200	31.39	0.00	0.00	0.00	6.41	5.78	0.00	5.78	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
41	16.100	31.40	0.00	0.00	0.00	6.42	5.80	0.00	5.80	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
42	16.000	31.40	0.00	0.00	0.00	6.43	5.82	0.00	5.82	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
43	15.900	31.41	0.00	0.00	0.00	6.44	5.84	0.00	5.84	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
44	15.800	31.41	0.00	0.00	0.00	6.45	5.86	0.00	5.86	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
45	15.700	31.42	0.00	0.00	0.00	6.46	5.88	0.00	5.88	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00

46	15.600	31.42	0.00	0.00	0.00	6.47	5.90	0.00	5.90	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
47	15.500	31.43	0.00	0.00	0.00	6.48	5.92	0.00	5.92	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
48	15.400	31.43	0.00	0.00	0.00	6.49	5.94	0.00	5.94	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
49	15.300	31.44	0.00	0.00	0.00	6.49	5.96	0.00	5.96	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
50	15.200	31.44	0.00	0.00	0.00	6.50	5.98	0.00	5.98	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
51	15.100	31.45	0.00	0.00	0.00	6.51	6.00	0.00	6.00	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
52	15.000	31.45	0.00	0.00	0.00	6.51	6.01	0.00	6.01	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
53	14.900	31.46	0.00	0.00	0.00	6.52	6.03	0.00	6.03	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
54	14.800	31.46	0.00	0.00	0.00	6.52	6.05	0.00	6.05	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
55	14.700	31.47	0.00	0.00	0.00	6.53	6.07	0.00	6.07	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
56	14.600	31.47	0.00	0.00	0.00	6.53	6.09	0.00	6.09	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
57	14.500	31.48	0.00	0.00	0.00	6.54	6.11	0.00	6.11	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
58	14.400	31.48	0.00	0.00	0.00	6.54	6.12	0.00	6.12	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
59	14.300	31.49	0.00	0.00	0.00	6.55	6.14	0.00	6.14	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
60	14.200	31.49	0.00	0.00	0.00	6.55	6.16	0.00	6.16	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
61	14.100	31.50	0.00	0.00	0.00	6.55	6.18	0.00	6.18	0.00	1.17	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
62	14.000	31.50	0.00	0.00	0.00	6.55	6.20	0.00	6.20	0.00	1.17	0.11	0.00	1.28	0.00	20.00	0.00	0.	0.00
63	13.900	31.51	0.00	0.00	0.00	6.52	6.23	0.00	6.23	0.00	1.17	0.11	0.00	1.28	0.00	20.00	0.00	0.	0.00
64	13.800	31.51	0.00	0.00	0.00	6.25	6.55	0.00	6.55	0.00	1.17	0.11	0.00	1.28	0.00	20.00	0.00	0.	0.00
65	13.700	31.52	0.00	0.00	0.00	6.05	6.84	0.00	6.84	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
66	13.600	31.52	0.00	0.00	0.00	5.90	7.11	0.00	7.11	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
67	13.500	31.52	0.00	0.00	0.00	5.78	7.35	0.00	7.35	0.00	1.14	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
68	13.400	31.53	0.00	0.00	0.00	5.68	7.57	0.00	7.57	0.00	1.14	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
69	13.300	31.53	0.00	0.00	0.00	5.61	7.77	0.00	7.77	0.00	1.13	0.11	0.00	1.24	0.00	20.00	0.00	0.	0.00
70	13.200	31.54	0.00	0.00	0.00	5.55	7.95	0.00	7.95	0.00	1.12	0.11	0.00	1.23	0.00	20.00	0.00	0.	0.00
71	13.100	31.54	0.00	0.00	0.00	5.50	8.12	0.00	8.12	0.00	1.12	0.11	0.00	1.23	0.00	20.00	0.00	0.	0.00
72	13.000	31.55	0.00	0.00	0.00	5.45	8.28	0.00	8.28	0.00	1.11	0.11	0.00	1.22	0.00	20.00	0.00	0.	0.00
73	12.900	31.55	0.00	0.00	0.00	5.42	8.42	0.00	8.42	0.00	1.10	0.11	0.00	1.21	0.00	20.00	0.00	0.	0.00
74	12.800	31.56	0.00	0.00	0.00	5.39	8.55	0.00	8.55	0.00	1.10	0.11	0.00	1.21	0.00	20.00	0.00	0.	0.00
75	12.700	31.56	0.00	0.00	0.00	5.36	8.67	0.00	8.67	0.00	1.09	0.11	0.00	1.20	0.00	20.00	0.00	0.	0.00
76	12.600	31.57	0.00	0.00	0.00	5.34	8.78	0.00	8.78	0.00	1.09	0.11	0.00	1.20	0.00	20.00	0.00	0.	0.00
77	12.500	31.57	0.00	0.00	0.00	5.31	8.88	0.00	8.88	0.00	1.08	0.11	0.00	1.19	0.00	20.00	0.00	0.	0.00
78	12.400	31.58	0.00	0.00	0.00	5.29	8.98	0.00	8.98	0.00	1.08	0.11	0.00	1.19	0.00	20.00	0.00	0.	0.00
79	12.300	31.58	0.00	0.00	0.00	5.28	9.06	0.00	9.06	0.00	1.07	0.11	0.00	1.18	0.00	20.00	0.00	0.	0.00
80	12.200	31.59	0.00	0.00	0.00	5.26	9.14	0.00	9.14	0.00	1.07	0.11	0.00	1.18	0.00	20.00	0.00	0.	0.00
81	12.100	31.59	0.00	0.00	0.00	5.25	9.22	0.00	9.22	0.00	1.06	0.11	0.00	1.17	0.00	20.00	0.00	0.	0.00
82	12.000	31.60	0.00	0.00	0.00	5.23	9.29	0.00	9.29	0.00	1.06	0.11	0.00	1.17	0.00	20.00	0.00	0.	0.00
83	11.900	31.60	0.00	0.00	0.00	5.22	9.35	0.00	9.35	0.00	1.05	0.11	0.00	1.16	0.00	20.00	0.00	0.	0.00
84	11.800	31.61	0.00	0.00	0.00	5.21	9.41	0.00	9.41	0.00	1.05	0.11	0.00	1.16	0.00	20.00	0.00	0.	0.00
85	11.700	31.61	0.00	0.00	0.00	5.20	9.46	0.00	9.46	0.00	1.05	0.11	0.00	1.15	0.00	20.00	0.00	0.	0.00
86	11.600	31.62	0.00	0.00	0.00	5.19	9.51	0.00	9.51	0.00	1.04	0.11	0.00	1.15	0.00	20.00	0.00	0.	0.00
87	11.500	31.62	0.00	0.00	0.00	5.18	9.56	0.00	9.56	0.00	1.04	0.11	0.00	1.14	0.00	20.00	0.00	0.	0.00
88	11.400	31.63	0.00	0.00	0.00	5.17	9.60	0.00	9.60	0.00	1.03	0.11	0.00	1.14	0.00	20.00	0.00	0.	0.00
89	11.300	31.63	0.00	0.00	0.00	5.16	9.64	0.00	9.64	0.00	1.03	0.11	0.00	1.14	0.00	20.00	0.00	0.	0.00
90	11.200	31.64	0.00	0.00	0.00	5.16	9.68	0.00	9.68	0.00	1.03	0.11	0.00	1.13	0.00	20.00	0.00	0.	0.00
91	11.100	31.64	0.00	0.00	0.00	5.15	9.71	0.00	9.71	0.00	1.02	0.10	0.00	1.13	0.00	20.00	0.00	0.	0.00
92	11.000	31.65	0.00	0.00	0.00	5.14	9.74	0.00	9.74	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
93	10.900	31.65	0.00	0.00	0.00	5.14	9.77	0.00	9.77	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
94	10.800	31.66	0.00	0.00	0.00	5.13	9.80	0.00	9.80	0.00	1.01	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
95	10.700	31.66	0.00	0.00	0.00	5.13	9.83	0.00	9.83	0.00	1.01	0.10	0.00	1.11	0.00	20.00	0.00	0.	0.00

96	10.600	31.67	0.00	0.00	0.00	5.12	9.85	0.00	9.85	0.00	1.01	0.10	0.00	1.11	0.00	20.00	0.00	0.	0.00
97	10.500	31.67	0.00	0.00	0.00	5.12	9.87	0.00	9.87	0.00	1.00	0.10	0.00	1.11	0.00	20.00	0.00	0.	0.00
98	10.400	31.68	0.00	0.00	0.00	5.11	9.89	0.00	9.89	0.00	1.00	0.10	0.00	1.10	0.00	20.00	0.00	0.	0.00
99	10.300	31.68	0.00	0.00	0.00	5.11	9.91	0.00	9.91	0.00	1.00	0.10	0.00	1.10	0.00	20.00	0.00	0.	0.00
100	10.200	31.68	0.00	0.00	0.00	5.10	9.93	0.00	9.93	0.00	1.00	0.10	0.00	1.10	0.00	20.00	0.00	0.	0.00
101	10.100	31.69	0.00	0.00	0.00	5.10	9.95	0.00	9.95	0.00	0.99	0.10	0.00	1.10	0.00	20.00	0.00	0.	0.00
102	10.000	31.69	0.00	0.00	0.00	5.10	9.96	0.00	9.96	0.00	0.99	0.10	0.00	1.09	0.00	20.00	0.00	0.	0.00
103	9.900	31.70	0.00	0.00	0.00	5.09	9.98	0.00	9.98	0.00	0.99	0.10	0.00	1.09	0.00	20.00	0.00	0.	0.00
104	9.800	31.70	0.00	0.00	0.00	5.09	9.99	0.00	9.99	0.00	0.99	0.10	0.00	1.09	0.00	20.00	0.00	0.	0.00
105	9.700	31.71	0.00	0.00	0.00	5.09	10.01	0.00	10.01	0.00	0.98	0.10	0.00	1.08	0.00	20.00	0.00	0.	0.00
106	9.600	31.71	0.00	0.00	0.00	5.08	10.02	0.00	10.02	0.00	0.98	0.10	0.00	1.08	0.00	20.00	0.00	0.	0.00
107	9.500	31.72	0.00	0.00	0.00	5.08	10.03	0.00	10.03	0.00	0.98	0.10	0.00	1.08	0.00	20.00	0.00	0.	0.00
108	9.400	31.72	0.00	0.00	0.00	5.08	10.04	0.00	10.04	0.00	0.98	0.10	0.00	1.08	0.00	20.00	0.00	0.	0.00
109	9.300	31.73	0.00	0.00	0.00	5.08	10.05	0.00	10.05	0.00	0.97	0.10	0.00	1.07	0.00	20.00	0.00	0.	0.00
110	9.200	31.73	0.00	0.00	0.00	5.07	10.06	0.00	10.06	0.00	0.97	0.10	0.00	1.07	0.00	20.00	0.00	0.	0.00
111	9.100	31.74	0.00	0.00	0.00	5.07	10.07	0.00	10.07	0.00	0.97	0.10	0.00	1.07	0.00	20.00	0.00	0.	0.00
112	9.000	31.74	0.00	0.00	0.00	5.07	10.07	0.00	10.07	0.00	0.97	0.10	0.00	1.07	0.00	20.00	0.00	0.	0.00
113	8.900	31.75	0.00	0.00	0.00	5.07	10.08	0.00	10.08	0.00	0.97	0.10	0.00	1.07	0.00	20.00	0.00	0.	0.00
114	8.800	31.75	0.00	0.00	0.00	5.06	10.09	0.00	10.09	0.00	0.96	0.10	0.00	1.06	0.00	20.00	0.00	0.	0.00
115	8.700	31.76	0.00	0.00	0.00	5.06	10.11	0.00	10.11	0.00	0.96	0.10	0.00	1.06	0.00	20.00	0.00	0.	0.00
116	8.600	31.76	0.00	0.00	0.00	5.06	10.14	0.00	10.14	0.00	0.96	0.10	0.00	1.06	0.00	20.00	0.00	0.	0.00
117	8.500	31.77	0.00	0.00	0.00	5.05	10.22	0.00	10.22	0.00	0.96	0.10	0.00	1.06	0.00	20.00	0.00	0.	0.00
118	8.400	31.77	0.00	0.00	0.00	5.04	10.39	0.00	10.39	0.00	0.96	0.10	0.00	1.06	0.00	20.00	0.00	0.	0.00
119	8.300	31.78	0.00	0.00	0.00	5.02	10.81	0.00	10.81	0.00	0.96	0.11	0.00	1.07	0.00	20.00	0.00	0.	0.00
120	8.200	31.78	0.00	0.00	0.00	5.00	10.78	0.00	10.78	0.00	0.96	0.11	0.00	1.07	0.00	20.00	0.00	0.	0.00
121	8.100	31.79	0.00	0.00	0.00	4.99	10.76	0.00	10.76	0.00	0.95	0.11	0.00	1.07	0.00	20.00	0.00	0.	0.00
122	8.000	31.79	0.00	0.00	0.00	4.98	10.73	0.00	10.73	0.00	0.95	0.11	0.00	1.06	0.00	20.00	0.00	0.	0.00
123	7.900	31.80	0.00	0.00	0.00	4.98	10.71	0.00	10.71	0.00	0.95	0.11	0.00	1.06	0.00	20.00	0.00	0.	0.00
124	7.800	31.80	0.00	0.00	0.00	4.97	10.69	0.00	10.69	0.00	0.95	0.11	0.00	1.06	0.00	20.00	0.00	0.	0.00
125	7.700	31.81	0.00	0.00	0.00	4.97	10.66	0.00	10.66	0.00	0.95	0.11	0.00	1.06	0.00	20.00	0.00	0.	0.00
126	7.600	31.81	0.00	0.00	0.00	4.97	10.64	0.00	10.64	0.00	0.95	0.11	0.00	1.05	0.00	20.00	0.00	0.	0.00
127	7.500	31.82	0.00	0.00	0.00	4.97	10.62	0.00	10.62	0.00	0.94	0.11	0.00	1.05	0.00	20.00	0.00	0.	0.00
128	7.400	31.82	0.00	0.00	0.00	4.97	10.61	0.00	10.61	0.00	0.94	0.11	0.00	1.05	0.00	20.00	0.00	0.	0.00
129	7.300	31.83	0.00	0.00	0.00	4.97	10.59	0.00	10.59	0.00	0.94	0.11	0.00	1.05	0.00	20.00	0.00	0.	0.00
130	7.200	31.83	0.00	0.00	0.00	4.97	10.57	0.00	10.57	0.00	0.94	0.11	0.00	1.05	0.00	20.00	0.00	0.	0.00
131	7.100	31.84	0.00	0.00	0.00	4.97	10.56	0.00	10.56	0.00	0.94	0.10	0.00	1.04	0.00	20.00	0.00	0.	0.00
132	7.000	31.84	0.00	0.00	0.00	4.97	10.54	0.00	10.54	0.00	0.94	0.10	0.00	1.04	0.00	20.00	0.00	0.	0.00
133	6.900	31.84	0.00	0.00	0.00	4.97	10.52	0.00	10.52	0.00	0.94	0.10	0.00	1.04	0.00	20.00	0.00	0.	0.00
134	6.800	31.85	0.00	0.00	0.00	4.97	10.51	0.00	10.51	0.00	0.93	0.10	0.00	1.04	0.00	20.00	0.00	0.	0.00
135	6.700	31.85	0.00	0.00	0.00	4.97	10.50	0.00	10.50	0.00	0.93	0.10	0.00	1.04	0.00	20.00	0.00	0.	0.00
136	6.600	31.86	0.00	0.00	0.00	4.97	10.48	0.00	10.48	0.00	0.93	0.10	0.00	1.03	0.00	20.00	0.00	0.	0.00
137	6.500	31.86	0.00	0.00	0.00	4.97	10.47	0.00	10.47	0.00	0.93	0.10	0.00	1.03	0.00	20.00	0.00	0.	0.00
138	6.400	31.87	0.00	0.00	0.00	4.98	10.46	0.00	10.46	0.00	0.93	0.10	0.00	1.03	0.00	20.00	0.00	0.	0.00
139	6.300	31.87	0.00	0.00	0.00	4.98	10.45	0.00	10.45	0.00	0.93	0.10	0.00	1.03	0.00	20.00	0.00	0.	0.00
140	6.200	31.88	0.00	0.00	0.00	4.98	10.44	0.00	10.44	0.00	0.93	0.10	0.00	1.03	0.00	20.00	0.00	0.	0.00
141	6.100	31.88	0.00	0.00	0.00	4.98	10.43	0.00	10.43	0.00	0.93	0.10	0.00	1.03	0.00	20.00	0.00	0.	0.00
142	6.000	31.89	0.00	0.00	0.00	4.98	10.42	0.00	10.42	0.00	0.92	0.10	0.00	1.02	0.00	20.00	0.00	0.	0.00
143	5.900	31.89	0.00	0.00	0.00	4.98	10.41	0.00	10.41	0.00	0.92	0.10	0.00	1.02	0.00	20.00	0.00	0.	0.00
144	5.800	31.90	0.00	0.00	0.00	4.98	10.40	0.00	10.40	0.00	0.92	0.10	0.00	1.02	0.00	20.00	0.00	0.	0.00
145	5.700	31.90	0.00	0.00	0.00	4.98	10.39	0.00	10.39	0.00	0.92	0.10	0.00	1.02	0.00	20.00	0.00	0.	0.00

146	5.600	31.91	0.00	0.00	0.00	4.98	10.38	0.00	10.38	0.00	0.92	0.10	0.00	1.02	0.00	20.00	0.00	0.	0.00
147	5.500	31.91	0.00	0.00	0.00	4.98	10.37	0.00	10.37	0.00	0.92	0.10	0.00	1.02	0.00	20.00	0.00	0.	0.00
148	5.400	31.92	0.00	0.00	0.00	4.98	10.36	0.00	10.36	0.00	0.92	0.10	0.00	1.02	0.00	20.00	0.00	0.	0.00
149	5.300	31.92	0.00	0.00	0.00	4.98	10.35	0.00	10.35	0.00	0.92	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
150	5.200	31.93	0.00	0.00	0.00	4.98	10.35	0.00	10.35	0.00	0.92	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
151	5.100	31.93	0.00	0.00	0.00	4.98	10.34	0.00	10.34	0.00	0.91	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
152	5.000	31.94	0.00	0.00	0.00	4.98	10.33	0.00	10.33	0.00	0.91	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
153	4.900	31.94	0.00	0.00	0.00	4.99	10.33	0.00	10.33	0.00	0.91	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
154	4.800	31.95	0.00	0.00	0.00	4.99	10.32	0.00	10.32	0.00	0.91	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
155	4.700	31.95	0.00	0.00	0.00	4.99	10.31	0.00	10.31	0.00	0.91	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
156	4.600	31.96	0.00	0.00	0.00	4.99	10.31	0.00	10.31	0.00	0.91	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
157	4.500	31.96	0.00	0.00	0.00	4.99	10.30	0.00	10.30	0.00	0.91	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
158	4.400	31.97	0.00	0.00	0.00	4.99	10.29	0.00	10.29	0.00	0.91	0.10	0.00	1.00	0.00	20.00	0.00	0.	0.00
159	4.300	31.97	0.00	0.00	0.00	4.99	10.29	0.00	10.29	0.00	0.91	0.10	0.00	1.00	0.00	20.00	0.00	0.	0.00
160	4.200	31.98	0.00	0.00	0.00	4.99	10.28	0.00	10.28	0.00	0.91	0.10	0.00	1.00	0.00	20.00	0.00	0.	0.00
161	4.100	31.98	0.00	0.00	0.00	4.98	10.26	0.00	10.26	0.00	0.91	0.10	0.00	1.00	0.00	20.00	0.00	0.	0.00
162	4.000	31.99	0.00	0.00	0.00	4.98	10.21	0.00	10.21	0.00	0.91	0.10	0.00	1.00	0.00	20.00	0.00	0.	0.00
163	3.900	31.99	0.00	0.00	0.00	4.95	10.06	0.00	10.06	0.00	0.92	0.10	0.00	1.01	0.00	20.00	0.00	0.	0.00
164	3.800	32.00	0.00	0.00	0.00	4.85	9.64	0.00	9.64	0.00	0.94	0.10	0.00	1.04	0.00	20.00	0.00	0.	0.00
165	3.700	32.00	0.00	0.00	0.00	4.47	8.34	0.00	8.34	0.00	1.01	0.11	0.00	1.12	0.00	20.00	0.00	0.	0.00

FINAL REPORT BayouBlue#1 LA-QUAL calibration for Bayou Blue
REACH NO. 3 BayouBlue#2 FTN Field Survey calibration

********** 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
180	UPR RCH	0.04999	32.00	0.00	0.00	0.00	4.47	8.34	0.00	8.34	0.00	1.01	0.11	0.00	0.00	20.00	0.00	0.00
180	TRIB	0.39600	32.00	0.00	0.00	0.00	4.11	7.39	0.00	7.39	0.00	1.06	0.11	0.00	0.00	20.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
180	3.70	3.60	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
181	3.60	3.50	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
182	3.50	3.40	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
183	3.40	3.30	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
184	3.30	3.20	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
185	3.20	3.10	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
186	3.10	3.00	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
187	3.00	2.90	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
188	2.90	2.80	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
189	2.80	2.70	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
190	2.70	2.60	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
191	2.60	2.50	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
192	2.50	2.40	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
193	2.40	2.30	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
194	2.30	2.20	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
195	2.20	2.10	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
196	2.10	2.00	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
197	2.00	1.90	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
198	1.90	1.80	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008

199	1.80	1.70	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
200	1.70	1.60	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
201	1.60	1.50	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
202	1.50	1.40	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
203	1.40	1.30	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
204	1.30	1.20	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
205	1.20	1.10	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
206	1.10	1.00	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
207	1.00	0.90	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
208	0.90	0.80	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
209	0.80	0.70	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
210	0.70	0.60	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
211	0.60	0.50	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
212	0.50	0.40	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
213	0.40	0.30	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
214	0.30	0.20	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
215	0.20	0.10	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
216	0.10	0.00	0.44599	0.1	0.00757	0.15	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.008
TOT					5.66			218114.98	242350.00						
AVG				0.0076			0.90	65.50			58.95				
CUM					25.33										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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			
180	3.600	7.31	0.97	0.26	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
181	3.500	7.31	0.97	0.26	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
182	3.400	7.31	0.97	0.26	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
183	3.300	7.31	0.97	0.26	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
184	3.200	7.31	0.97	0.26	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
185	3.100	7.32	0.97	0.26	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
186	3.000	7.32	0.97	0.26	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
187	2.900	7.32	0.97	0.26	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
188	2.800	7.32	0.97	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
189	2.700	7.32	0.97	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00		
190	2.600	7.33	0.97	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
191	2.500	7.33	0.96	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
192	2.400	7.33	0.96	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
193	2.300	7.33	0.96	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.26	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
194	2.200	7.33	0.96	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
195	2.100	7.34	0.96	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
196	2.000	7.34	0.96	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
197	1.900	7.34	0.96	0.26	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
198	1.800	7.34	0.96	0.26	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
199	1.700	7.34	0.96	0.26	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
200	1.600	7.35	0.96	0.26	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
201	1.500	7.35	0.96	0.26	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
202	1.400	7.35	0.96	0.26	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
203	1.300	7.35	0.96	0.26	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		
204	1.200	7.36	0.96	0.26	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00		

205	1.100	7.36	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
206	1.000	7.36	0.96	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
207	0.900	7.36	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
208	0.800	7.36	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
209	0.700	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
210	0.600	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
211	0.500	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
212	0.400	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
213	0.300	7.37	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
214	0.200	7.38	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
215	0.100	7.38	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
216	0.000	7.38	0.96	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.25	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.78	0.15	0.00	0.00	0.00	0.00	0.00	0.50			0.02	0.00	0.13	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
180	3.600	31.98	0.00	0.00	0.00	4.24	7.71	0.00	7.71	0.00	1.04	0.11	0.00	1.16	0.00	20.00	0.00		0.	0.00
181	3.500	31.97	0.00	0.00	0.00	4.30	7.88	0.00	7.88	0.00	1.04	0.11	0.00	1.15	0.00	20.00	0.00		0.	0.00
182	3.400	31.95	0.00	0.00	0.00	4.35	8.05	0.00	8.05	0.00	1.04	0.11	0.00	1.15	0.00	20.00	0.00		0.	0.00
183	3.300	31.94	0.00	0.00	0.00	4.39	8.21	0.00	8.21	0.00	1.03	0.11	0.00	1.14	0.00	20.00	0.00		0.	0.00
184	3.200	31.92	0.00	0.00	0.00	4.42	8.37	0.00	8.37	0.00	1.03	0.11	0.00	1.14	0.00	20.00	0.00		0.	0.00
185	3.100	31.90	0.00	0.00	0.00	4.44	8.52	0.00	8.52	0.00	1.02	0.11	0.00	1.14	0.00	20.00	0.00		0.	0.00
186	3.000	31.89	0.00	0.00	0.00	4.46	8.66	0.00	8.66	0.00	1.02	0.11	0.00	1.13	0.00	20.00	0.00		0.	0.00
187	2.900	31.87	0.00	0.00	0.00	4.46	8.80	0.00	8.80	0.00	1.02	0.11	0.00	1.13	0.00	20.00	0.00		0.	0.00
188	2.800	31.85	0.00	0.00	0.00	4.47	8.93	0.00	8.93	0.00	1.01	0.11	0.00	1.12	0.00	20.00	0.00		0.	0.00
189	2.700	31.84	0.00	0.00	0.00	4.47	9.06	0.00	9.06	0.00	1.01	0.11	0.00	1.12	0.00	20.00	0.00		0.	0.00
190	2.600	31.82	0.00	0.00	0.00	4.47	9.19	0.00	9.19	0.00	1.00	0.11	0.00	1.11	0.00	20.00	0.00		0.	0.00
191	2.500	31.81	0.00	0.00	0.00	4.46	9.31	0.00	9.31	0.00	1.00	0.11	0.00	1.11	0.00	20.00	0.00		0.	0.00
192	2.400	31.79	0.00	0.00	0.00	4.45	9.43	0.00	9.43	0.00	1.00	0.11	0.00	1.11	0.00	20.00	0.00		0.	0.00
193	2.300	31.77	0.00	0.00	0.00	4.44	9.54	0.00	9.54	0.00	0.99	0.11	0.00	1.10	0.00	20.00	0.00		0.	0.00
194	2.200	31.76	0.00	0.00	0.00	4.43	9.65	0.00	9.65	0.00	0.99	0.11	0.00	1.10	0.00	20.00	0.00		0.	0.00
195	2.100	31.74	0.00	0.00	0.00	4.42	9.75	0.00	9.75	0.00	0.99	0.11	0.00	1.09	0.00	20.00	0.00		0.	0.00
196	2.000	31.72	0.00	0.00	0.00	4.40	9.85	0.00	9.85	0.00	0.98	0.11	0.00	1.09	0.00	20.00	0.00		0.	0.00
197	1.900	31.71	0.00	0.00	0.00	4.39	9.95	0.00	9.95	0.00	0.98	0.11	0.00	1.08	0.00	20.00	0.00		0.	0.00
198	1.800	31.69	0.00	0.00	0.00	4.37	10.05	0.00	10.05	0.00	0.97	0.11	0.00	1.08	0.00	20.00	0.00		0.	0.00
199	1.700	31.68	0.00	0.00	0.00	4.35	10.14	0.00	10.14	0.00	0.97	0.11	0.00	1.08	0.00	20.00	0.00		0.	0.00
200	1.600	31.66	0.00	0.00	0.00	4.34	10.23	0.00	10.23	0.00	0.97	0.11	0.00	1.07	0.00	20.00	0.00		0.	0.00
201	1.500	31.64	0.00	0.00	0.00	4.32	10.31	0.00	10.31	0.00	0.96	0.11	0.00	1.07	0.00	20.00	0.00		0.	0.00
202	1.400	31.63	0.00	0.00	0.00	4.30	10.39	0.00	10.39	0.00	0.96	0.10	0.00	1.06	0.00	20.00	0.00		0.	0.00
203	1.300	31.61	0.00	0.00	0.00	4.29	10.47	0.00	10.47	0.00	0.96	0.10	0.00	1.06	0.00	20.00	0.00		0.	0.00
204	1.200	31.59	0.00	0.00	0.00	4.27	10.55	0.00	10.55	0.00	0.95	0.10	0.00	1.06	0.00	20.00	0.00		0.	0.00
205	1.100	31.58	0.00	0.00	0.00	4.25	10.62	0.00	10.62	0.00	0.95	0.10	0.00	1.05	0.00	20.00	0.00		0.	0.00
206	1.000	31.56	0.00	0.00	0.00	4.24	10.70	0.00	10.70	0.00	0.94	0.10	0.00	1.05	0.00	20.00	0.00		0.	0.00
207	0.900	31.55	0.00	0.00	0.00	4.22	10.76	0.00	10.76	0.00	0.94	0.10	0.00	1.04	0.00	20.00	0.00		0.	0.00
208	0.800	31.53	0.00	0.00	0.00	4.21	10.83	0.00	10.83	0.00	0.94	0.10	0.00	1.04	0.00	20.00	0.00		0.	0.00
209	0.700	31.51	0.00	0.00	0.00	4.19	10.89	0.00	10.89	0.00	0.93	0.10	0.00	1.04	0.00	20.00	0.00		0.	0.00
210	0.600	31.50	0.00	0.00	0.00	4.18	10.95	0.00	10.95	0.00	0.93	0.10	0.00	1.03	0.00	20.00	0.00		0.	0.00
211	0.500	31.48	0.00	0.00	0.00	4.17	10.99	0.00	10.99	0.00	0.92	0.10	0.00	1.02	0.00	20.00	0.00		0.	0.00
212	0.400	31.46	0.00	0.00	0.00	4.16	10.99	0.00	10.99	0.00	0.91	0.10	0.00	1.01	0.00	20.00	0.00		0.	0.00

213	0.300	31.45	0.00	0.00	0.00	4.17	10.91	0.00	10.91	0.00	0.89	0.10	0.00	0.99	0.00	20.00	0.00	0.	0.00
214	0.200	31.43	0.00	0.00	0.00	4.22	10.60	0.00	10.60	0.00	0.84	0.10	0.00	0.94	0.00	20.00	0.00	0.	0.00
215	0.100	31.42	0.00	0.00	0.00	4.33	9.70	0.00	9.70	0.00	0.71	0.10	0.00	0.81	0.00	20.00	0.00	0.	0.00
216	0.000	31.40	0.00	0.00	0.00	4.58	7.26	0.00	7.26	0.00	0.39	0.10	0.00	0.49	0.00	20.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL calibration for Bayou Blue
BayouBlue#1 FTN Field Survey calibration

TRAVEL TIME = 25.33 DAYS
MAXIMUM EFFLUENT = 1.03 PERCENT
FLOW = 0.01871 TO 0.44599 m^3/s
DISPERSION = 0.5000 TO 0.5000 m^2/s
VELOCITY = 0.00374 TO 0.08296 m/s
DEPTH = 0.50 TO 0.90 m
WIDTH = 10.00 TO 65.50 m
BOD DECAY = 0.25 TO 0.26 per day
NH3 DECAY = 0.24 TO 0.27 per day
SOD = 1.01 TO 1.06 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.96 TO 3.95 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 = 31.20 TO 32.00 deg C
DISSOLVED OXYGEN = 4.16 TO 6.55 mg/L

FINAL REPORT ICWWtoBlue LA-QUAL calibration for Bayou Blue
REACH NO. 2 ICWWtoBlue FTN Field Survey calibration

********** 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 mg/L	PHOS µg/L	CHL A	COLI #/100mL	NCM
166	HDWTR	0.39600	32.00	0.00	0.00	0.00	3.33	3.93	0.00	3.93	0.00	1.14	0.12	0.00	0.00	20.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
166	1.40	1.30	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
167	1.30	1.20	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
168	1.20	1.10	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
169	1.10	1.00	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
170	1.00	0.90	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
171	0.90	0.80	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
172	0.80	0.70	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
173	0.70	0.60	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
174	0.60	0.50	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
175	0.50	0.40	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
176	0.40	0.30	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
177	0.30	0.20	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
178	0.20	0.10	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
179	0.10	0.00	0.39600	0.0	0.00643	0.18	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.006
TOT					2.52				86240.00	61600.00					
AVG				0.0064		1.40		44.00			61.60				
CUM					2.52										

********** 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	
166	1.300	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
167	1.200	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
168	1.100	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
169	1.000	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
170	0.900	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
171	0.800	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
172	0.700	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
173	0.600	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
174	0.500	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
175	0.400	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
176	0.300	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
177	0.200	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
178	0.100	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
179	0.000	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.50	0.15	0.00	0.00	0.00	0.00	0.00	0.70			0.02	0.00	0.13	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	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 mg/L	TOTN mg/L	PHOS µg/L	CHL A g/m³	MACRO	COLI #/100mL	NCM
166	1.300	32.00	0.00	0.00	0.00	3.58	4.43	0.00	4.43	0.00	1.13	0.12	0.00	1.25	0.00	20.00	0.00	0.	0.00
167	1.200	32.00	0.00	0.00	0.00	3.69	4.71	0.00	4.71	0.00	1.13	0.12	0.00	1.25	0.00	20.00	0.00	0.	0.00
168	1.100	32.00	0.00	0.00	0.00	3.79	4.97	0.00	4.97	0.00	1.12	0.12	0.00	1.24	0.00	20.00	0.00	0.	0.00
169	1.000	32.00	0.00	0.00	0.00	3.86	5.21	0.00	5.21	0.00	1.12	0.12	0.00	1.23	0.00	20.00	0.00	0.	0.00
170	0.900	32.00	0.00	0.00	0.00	3.92	5.45	0.00	5.45	0.00	1.11	0.12	0.00	1.23	0.00	20.00	0.00	0.	0.00
171	0.800	32.00	0.00	0.00	0.00	3.97	5.68	0.00	5.68	0.00	1.11	0.12	0.00	1.22	0.00	20.00	0.00	0.	0.00
172	0.700	32.00	0.00	0.00	0.00	4.00	5.90	0.00	5.90	0.00	1.10	0.12	0.00	1.22	0.00	20.00	0.00	0.	0.00
173	0.600	32.00	0.00	0.00	0.00	4.02	6.11	0.00	6.11	0.00	1.10	0.12	0.00	1.21	0.00	20.00	0.00	0.	0.00
174	0.500	32.00	0.00	0.00	0.00	4.04	6.31	0.00	6.31	0.00	1.09	0.12	0.00	1.21	0.00	20.00	0.00	0.	0.00
175	0.400	32.00	0.00	0.00	0.00	4.04	6.50	0.00	6.50	0.00	1.09	0.12	0.00	1.20	0.00	20.00	0.00	0.	0.00
176	0.300	32.00	0.00	0.00	0.00	4.04	6.69	0.00	6.69	0.00	1.08	0.12	0.00	1.20	0.00	20.00	0.00	0.	0.00
177	0.200	32.00	0.00	0.00	0.00	4.04	6.89	0.00	6.89	0.00	1.07	0.12	0.00	1.19	0.00	20.00	0.00	0.	0.00
178	0.100	32.00	0.00	0.00	0.00	4.06	7.11	0.00	7.11	0.00	1.07	0.12	0.00	1.18	0.00	20.00	0.00	0.	0.00
179	0.000	32.00	0.00	0.00	0.00	4.11	7.39	0.00	7.39	0.00	1.06	0.11	0.00	1.17	0.00	20.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL calibration for Bayou Blue
ICWWtoBlue FTN Field Survey calibration
TRAVEL TIME = 2.52 DAYS
MAXIMUM EFFLUENT = 0.00 PERCENT

FLOW = 0.39600 TO 0.39600 m³/s
DISPERSION = 0.5000 TO 0.5000 m²/s
VELOCITY = 0.00643 TO 0.00643 m/s
DEPTH = 1.40 TO 1.40 m
WIDTH = 44.00 TO 44.00 m
BOD DECAY = 0.26 TO 0.26 per day
NH3 DECAY = 0.24 TO 0.25 per day
SOD = 1.49 TO 1.49 g/m²/d

NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.62 TO 0.62 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.03 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 32.00 TO 32.00 deg C
DISSOLVED OXYGEN = 3.58 TO 4.11 mg/L
LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration
REACH SUMMARY REPORT FOR BayouBlue#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
1	BayouBlue#1	20.20	3.70	16.50	19.67	0.04999	0.00971	0.500	10.00	1.765	0.032	1.640	32.81
3	BayouBlue#2	3.70	0.00	3.70	5.66	0.44599	0.00757	0.900	65.50	15.748	0.025	2.953	214.91

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration
REACH SUMMARY REPORT FOR ICWWtoBlue

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
2	ICWWtoBlue	1.40	0.00	1.40	2.52	0.39600	0.00643	1.400	44.00	13.983	0.021	4.593	144.36

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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
1	148.	0.	-153.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-154.3	154.3	0.00
2	153.	0.	-157.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-158.8	158.8	0.00
3	157.	0.	-161.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-162.9	162.9	0.00
4	161.	0.	-165.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-166.7	166.7	0.00
5	165.	0.	-168.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-170.3	170.3	0.00
6	168.	0.	-172.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-173.8	173.8	0.00
7	172.	0.	-175.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-177.0	177.0	0.00
8	175.	0.	-178.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-180.1	180.1	0.00
9	178.	0.	-181.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-183.1	183.1	0.00
10	181.	0.	-184.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-185.9	185.9	0.00
11	184.	0.	-187.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-188.5	188.5	0.00
12	187.	0.	-189.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-191.0	191.0	0.00
13	189.	0.	-192.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-193.4	193.4	0.00
14	192.	0.	-194.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-195.7	195.7	0.00
15	194.	0.	-196.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-197.8	197.8	0.00
16	196.	0.	-198.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-199.9	199.9	0.00
17	198.	0.	-200.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-201.8	201.8	0.00
18	200.	0.	-202.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-203.7	203.7	0.00
19	202.	0.	-204.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-205.4	205.4	0.00
20	204.	0.	-205.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-207.1	207.1	0.00
21	205.	0.	-207.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-208.7	208.7	0.00
22	207.	0.	-208.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-210.2	210.2	0.00
23	208.	0.	-210.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-211.6	211.6	0.00
24	210.	0.	-211.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-213.0	213.0	0.00
25	211.	0.	-212.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-214.3	214.3	0.00

26	212.	0.	-214.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-215.5	215.5	0.00
27	214.	0.	-215.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-216.7	216.7	0.00
28	215.	0.	-216.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-217.8	217.8	0.00
29	216.	0.	-217.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-218.8	218.8	0.00
30	217.	0.	-218.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-219.9	219.9	0.00
31	218.	0.	-219.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-220.8	220.8	0.00
32	219.	0.	-220.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-221.7	221.7	0.00
33	220.	0.	-221.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-222.6	222.6	0.00
34	221.	0.	-222.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-223.5	223.5	0.00
35	222.	0.	-222.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-224.3	224.3	0.00
36	222.	0.	-223.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-225.0	225.0	0.00
37	223.	0.	-224.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-225.7	225.7	0.00
38	224.	0.	-225.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-226.4	226.4	0.00
39	225.	0.	-225.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-227.1	227.1	0.00
40	225.	0.	-226.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-227.7	227.7	0.00
41	226.	0.	-227.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-228.4	228.4	0.00
42	227.	0.	-227.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-228.9	228.9	0.00
43	227.	0.	-228.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-229.5	229.5	0.00
44	228.	0.	-228.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-230.0	230.0	0.00
45	228.	0.	-229.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-230.5	230.5	0.00
46	229.	0.	-229.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-231.0	231.0	0.00
47	229.	0.	-230.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-231.5	231.5	0.00
48	230.	0.	-230.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-232.0	232.0	0.00
49	230.	0.	-231.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-232.4	232.4	0.00
50	231.	0.	-231.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-232.8	232.8	0.00
51	231.	0.	-231.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-233.2	233.2	0.00
52	231.	0.	-232.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-233.6	233.6	0.00
53	232.	0.	-232.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-234.0	234.0	0.00
54	232.	0.	-232.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-234.3	234.3	0.00
55	232.	0.	-233.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-234.7	234.7	0.00
56	233.	0.	-233.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-235.0	235.0	0.00
57	233.	0.	-233.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-235.3	235.3	0.00
58	233.	0.	-234.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-235.7	235.7	0.00
59	234.	0.	-234.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-236.0	236.0	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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
60	234.	0.	-234.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-236.3	236.3	0.00
61	234.	0.	-235.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-236.5	236.5	0.00
62	235.	0.	-235.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-236.8	236.8	0.00
63	235.	0.	-11.	0.	0.	-1.	0.	0.	0.	0.	-223.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-236.2	236.2	0.00
64	11.	0.	-10.	1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.6	12.6	0.00
65	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.4	12.4	0.00
66	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.3	12.3	0.00
67	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.2	12.2	0.00
68	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.2	12.2	0.00
69	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.2	12.2	0.00
70	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.2	12.2	0.00
71	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.3	12.3	0.00
72	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.3	12.3	0.00

73	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.4	12.4	0.00
74	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.5	12.5	0.00
75	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.6	12.6	0.00
76	10.	0.	-10.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.7	12.7	0.00
77	10.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.8	12.8	0.00
78	11.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-12.9	12.9	0.00
79	11.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-13.0	13.0	0.00
80	11.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-13.1	13.1	0.00
81	11.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-13.3	13.3	0.00
82	11.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-13.4	13.4	0.00
83	11.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-13.5	13.5	0.00
84	11.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-13.6	13.6	0.00
85	11.	0.	-11.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-13.7	13.7	0.00
86	11.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-13.8	13.8	0.00
87	12.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-14.0	14.0	0.00
88	12.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-14.1	14.1	0.00
89	12.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-14.2	14.2	0.00
90	12.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-14.3	14.3	0.00
91	12.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-14.5	14.5	0.00
92	12.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-14.6	14.6	0.00
93	12.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-14.7	14.7	0.00
94	12.	0.	-12.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-14.8	14.8	0.00
95	12.	0.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-15.0	15.0	0.00
96	13.	0.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-15.1	15.1	0.00
97	13.	0.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-15.2	15.2	0.00
98	13.	0.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-15.3	15.3	0.00
99	13.	0.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-15.5	15.5	0.00
100	13.	0.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-15.6	15.6	0.00
101	13.	0.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-15.7	15.7	0.00
102	13.	0.	-13.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-15.8	15.8	0.00
103	13.	0.	-14.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-16.0	16.0	0.00
104	14.	0.	-14.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-16.1	16.1	0.00
105	14.	0.	-14.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-16.2	16.2	0.00
106	14.	0.	-14.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-16.3	16.3	0.00
107	14.	0.	-14.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-16.5	16.5	0.00
108	14.	0.	-14.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-16.6	16.6	0.00
109	14.	0.	-14.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-16.7	16.7	0.00
110	14.	0.	-14.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-16.8	16.8	0.00
111	14.	0.	-15.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-17.0	17.0	0.00
112	15.	0.	-15.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-17.1	17.1	0.00
113	15.	0.	-15.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-17.2	17.2	0.00
114	15.	0.	-15.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-17.4	17.4	0.00
115	15.	0.	-15.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-17.5	17.5	0.00
116	15.	0.	-15.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-17.6	17.6	0.00
117	15.	0.	-15.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-17.7	17.7	0.00
118	15.	0.	-15.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-17.9	17.9	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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 IN	BOD1 DECA	NH3-N DECA	ORG-N DECA	NCM DECA	SOD BKGD	SOD BOD1	SOD ALG	SOD NCM	ALG PHOT	ALG RESP	MAC PHOT	TOT OUT	TOT IN
119	15.	0.	-16.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-18.2	18.1	-0.09

120	16.	0.	-16.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-18.2	18.2	0.00
121	16.	0.	-16.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-18.3	18.3	0.00
122	16.	0.	-16.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-18.4	18.4	0.00
123	16.	0.	-16.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-18.5	18.5	0.00
124	16.	0.	-16.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-18.6	18.6	0.00
125	16.	0.	-16.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-18.8	18.8	0.00
126	16.	0.	-16.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-18.9	18.9	0.00
127	16.	0.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-19.0	19.0	0.00
128	17.	0.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-19.1	19.1	0.00
129	17.	0.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-19.3	19.3	0.00
130	17.	0.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-19.4	19.4	0.00
131	17.	0.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-19.5	19.5	0.00
132	17.	0.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-19.6	19.6	0.00
133	17.	0.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-19.8	19.8	0.00
134	17.	0.	-17.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-19.9	19.9	0.00
135	17.	0.	-18.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-20.0	20.0	0.00
136	18.	0.	-18.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-20.2	20.2	0.00
137	18.	0.	-18.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-20.3	20.3	0.00
138	18.	0.	-18.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-20.4	20.4	0.00
139	18.	0.	-18.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-20.6	20.6	0.00
140	18.	0.	-18.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-20.7	20.7	0.00
141	18.	0.	-18.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-20.8	20.8	0.00
142	18.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-21.0	21.0	0.00
143	19.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-21.1	21.1	0.00
144	19.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-21.2	21.2	0.00
145	19.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-21.4	21.4	0.00
146	19.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-21.5	21.5	0.00
147	19.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-21.6	21.6	0.00
148	19.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-21.8	21.8	0.00
149	19.	0.	-19.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-21.9	21.9	0.00
150	19.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-22.0	22.0	0.00
151	20.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-22.2	22.2	0.00
152	20.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-22.3	22.3	0.00
153	20.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-22.4	22.4	0.00
154	20.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-22.6	22.6	0.00
155	20.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-22.7	22.7	0.00
156	20.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-22.8	22.8	0.00
157	20.	0.	-20.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-22.9	22.9	0.00
158	20.	0.	-21.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-23.1	23.1	0.00
159	21.	0.	-21.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-23.2	23.2	0.00
160	21.	0.	-21.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-23.3	23.3	0.00
161	21.	0.	-21.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-23.5	23.5	0.00
162	21.	0.	-21.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-23.6	23.6	0.00
163	21.	0.	-21.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-23.8	23.8	0.00
164	21.	0.	-21.	0.	0.	-1.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-24.1	24.0	0.00
165	21.	0.	-19.	1.	0.	-3.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-24.7	24.7	0.00
180	19.	141.	-163.	3.	-5.	2.	0.	0.	0.	0.	0.	18.	-12.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-187.6	187.6	0.00
181	163.	0.	-166.	-2.	0.	1.	0.	0.	0.	0.	0.	17.	-12.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-187.0	187.0	0.00
182	166.	0.	-168.	-1.	0.	1.	0.	0.	0.	0.	0.	17.	-12.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-188.9	188.9	0.00
183	168.	0.	-169.	-1.	0.	1.	0.	0.	0.	0.	0.	17.	-13.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-190.3	190.3	0.00

184	169.	0.	-170.	-1.	0.	1.	0.	0.	0.	0.	0.	17.	-13.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-191.5	191.5	0.00						
185	170.	0.	-171.	-1.	0.	0.	0.	0.	0.	0.	0.	16.	-13.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-192.3	192.3	0.00						
186	171.	0.	-172.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-13.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-192.9	192.9	0.00						
187	172.	0.	-172.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-13.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-193.3	193.3	0.00						
188	172.	0.	-172.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-14.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-193.6	193.6	0.00						
189	172.	0.	-172.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-14.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-193.7	193.7	0.00						
190	172.	0.	-172.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-14.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-193.9	193.9	0.00						
191	172.	0.	-172.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-14.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-193.9	193.9	0.00						

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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 IN	BOD1 DECA	NH3-N DECA	ORG-N DECA	NCM DECA	SOD BKGD	SOD BOD1	SOD ALG	SOD NCM	ALG PHOT	ALG RESP	MAC PHOT	TOT OUT	TOT IN	
192	172.	0.	-172.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-14.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-193.7	193.7	0.00
193	172.	0.	-171.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-14.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-193.5	193.5	0.00
194	171.	0.	-171.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-15.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-193.2	193.2	0.00
195	171.	0.	-170.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-15.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-192.9	192.9	0.00
196	170.	0.	-170.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-15.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-192.5	192.5	0.00
197	170.	0.	-169.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-15.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-192.0	192.0	0.00
198	169.	0.	-168.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-15.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-191.5	191.5	0.00
199	168.	0.	-168.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-15.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-191.0	191.0	0.00
200	168.	0.	-167.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-15.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-190.5	190.5	0.00
201	167.	0.	-166.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-190.0	190.0	0.00
202	166.	0.	-166.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-189.4	189.4	0.00
203	166.	0.	-165.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-188.9	188.9	0.00
204	165.	0.	-165.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-188.3	188.3	0.00
205	165.	0.	-164.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-187.8	187.8	0.00
206	164.	0.	-163.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-187.2	187.2	0.00
207	163.	0.	-163.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-186.7	186.7	0.00
208	163.	0.	-162.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-186.1	186.1	0.00
209	162.	0.	-162.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-185.6	185.6	0.00
210	162.	0.	-161.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-185.1	185.1	0.00
211	161.	0.	-161.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-184.6	184.6	0.00
212	161.	0.	-160.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-184.3	184.3	0.00
213	160.	0.	-161.	0.	0.	1.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-184.8	184.8	0.00
214	161.	0.	-162.	-1.	0.	3.	0.	0.	0.	0.	0.	18.	-16.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-186.7	186.7	0.00
215	162.	0.	-167.	-3.	0.	7.	0.	0.	0.	0.	0.	17.	-14.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-191.4	191.4	0.00
216	167.	0.	-177.	-7.	0.	14.	0.	0.	0.	0.	0.	16.	-11.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-201.3	201.3	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: ICWWtoBlue

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE IN	BOD1 DECA	NH3-N DECA	ORG-N DECA	NCM DECA	SOD BKGD	SOD BOD1	SOD ALG	SOD NCM	ALG PHOT	ALG RESP	MAC PHOT	TOT OUT	TOT IN	
166	114.	0.	-122.	0.	0.	3.	0.	0.	0.	0.	0.	14.	-7.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-136.9	136.9	0.00
167	122.	0.	-126.	-3.	0.	3.	0.	0.	0.	0.	0.	14.	-8.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-144.3	144.3	0.00
168	126.	0.	-130.	-3.	0.	2.	0.	0.	0.	0.	0.	13.	-8.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-147.4	147.4	0.00
169	130.	0.	-132.	-2.	0.	2.	0.	0.	0.	0.	0.	13.	-8.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-149.9	149.9	0.00
170	132.	0.	-134.	-2.	0.	1.	0.	0.	0.	0.	0.	13.	-9.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-151.9	151.9	0.00
171	134.	0.	-136.	-1.	0.	1.	0.	0.	0.	0.	0.	13.	-9.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-153.5	153.5	0.00
172	136.	0.	-137.	-1.	0.	1.	0.	0.	0.	0.	0.	13.	-9.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-154.6	154.6	0.00
173	137.	0.	-138.	-1.	0.	0.	0.	0.	0.	0.	0.	13.	-10.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-155.4	155.4	0.00
174	138.	0.	-138.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-10.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-155.9	155.9	0.00
175	138.	0.	-138.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-10.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-156.2	156.2	0.00
176	138.	0.	-138.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-11.	-1.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-156.4	156.4	0.00

```
177  138.   0. -138.  0.  0.  0.  0.  0.  0.  0.  0. 13. -11. -1.  0.  0. -7.  0.  0.  0. 6.  0.  0. -156.7  156.7  0.00
178  138.   0. -139.  0.  0.  1.  0.  0.  0.  0.  0. 12. -11. -1.  0.  0. -7.  0.  0.  0. 6.  0.  0. -157.8  157.8  0.00
179  139.   0. -141. -1.  0.  5.  0.  0.  0.  0.  0. 12. -12. -1.  0.  0. -7.  0.  0.  0. 6.  0.  0. -161.3  161.3  0.00
```

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration
INPUT/OUTPUT LOADING SUMMARY

	FLOW	DO	BOD#1	BOD#2	ORG-N	NH3-N	NO3-N	PHOS	CHL A	NCM
	m^3/s	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d		
HEADWATER FLOW	0.792	261.7	302.1	0.0	80.1	7.9	0.0	0.0	0.0	0.0
INCREMENTAL INFLOW	0.050	18.7	21.2	0.0	5.2	0.5	0.0	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	0.000	0.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WITHDRAWLS	-0.396	-223.2	-213.4	0.0	-40.2	-3.8	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	-0.446	-176.6	-279.6	0.0	-15.2	-3.8	0.0	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		13.6	-164.3	0.0	-20.1	0.1	16.3	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	1180.0	0.0	0.0					0.0
NATURAL REAERATION		1171.8								
DAM REAERATION		0.0								
BACKGROUND SOD		-516.2								
BOD#1 DECAY		-848.7	-848.7							
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			-9.8	9.8				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-46.4				-10.7	10.7			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		345.0				0.0	-33.2	0.0	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	0.842	1811.0	1506.0	0.0	85.3	18.3	27.0	0.0	0.0	0.0
TOTAL OUTPUTS	-0.842	-1811.0	-1506.0	0.0	-85.3	-18.3	-33.2	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-0.1	0.0	0.0	0.0	0.0	-6.2	0.0	0.0	0.0

.....EXECUTION COMPLETED

APPENDIX F:
PLOTS OF CALIBRATED AND OBSERVED WATER QUALITY

Figure F-1. Temperature modeling results for subsegment 120202. 1
Figure F-2. Ammonia modeling results for subsegment 120202. 1
Figure F-3. BOD_u modeling results for subsegment 120202..... 2
Figure F-4. DO modeling results for subsegment 120202..... 2
Figure F-5. Temperature modeling results for subsegment 120204. 3
Figure F-6. Ammonia modeling results for subsegment 120204. 3
Figure F-7. BOD_u modeling results for subsegment 120204..... 4
Figure F-8. DO modeling results for subsegment 120204..... 4
Figure F-9. Temperature modeling results for subsegments 120304 and 120403..... 5
Figure F-10. Ammonia modeling results for subsegments 120304 and 120403. 5
Figure F-11. BOD_u modeling results for subsegments 120304 and 120403. 6
Figure F-12. DO modeling results for subsegments 120304 and 120403. 6
Figure F-13. Temperature modeling results for subsegment 120604. 7
Figure F-14. Ammonia modeling results for subsegment 120604. 7
Figure F-15. BOD_u modeling results for subsegment 120604..... 8
Figure F-16. DO modeling results for subsegment 120604..... 8

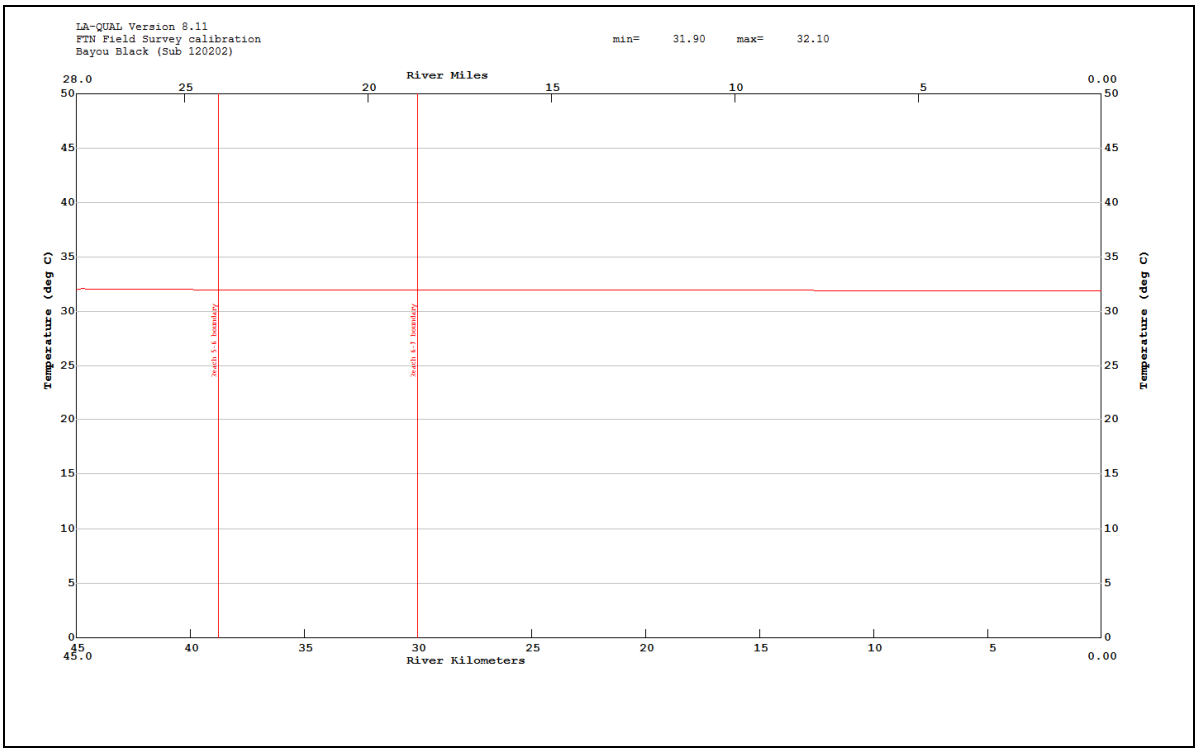

Figure F-1. Temperature modeling results for subsegment 120202.

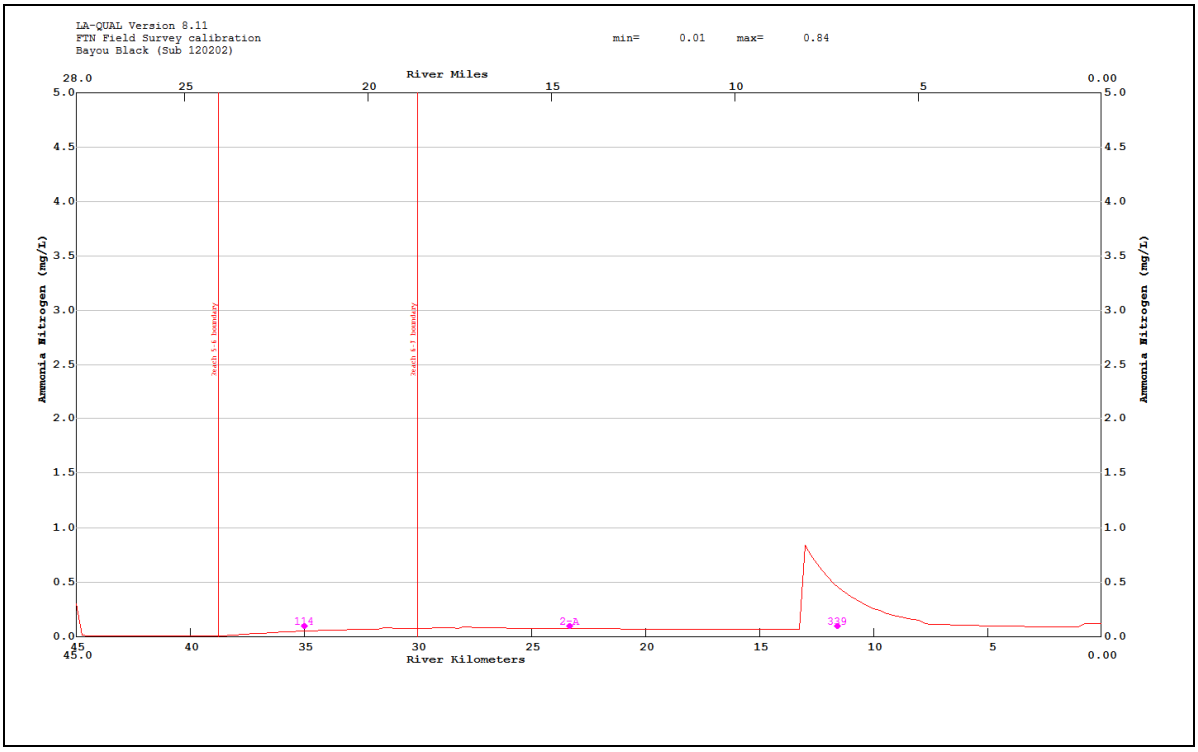

Figure F-2. Ammonia modeling results for subsegment 120202.

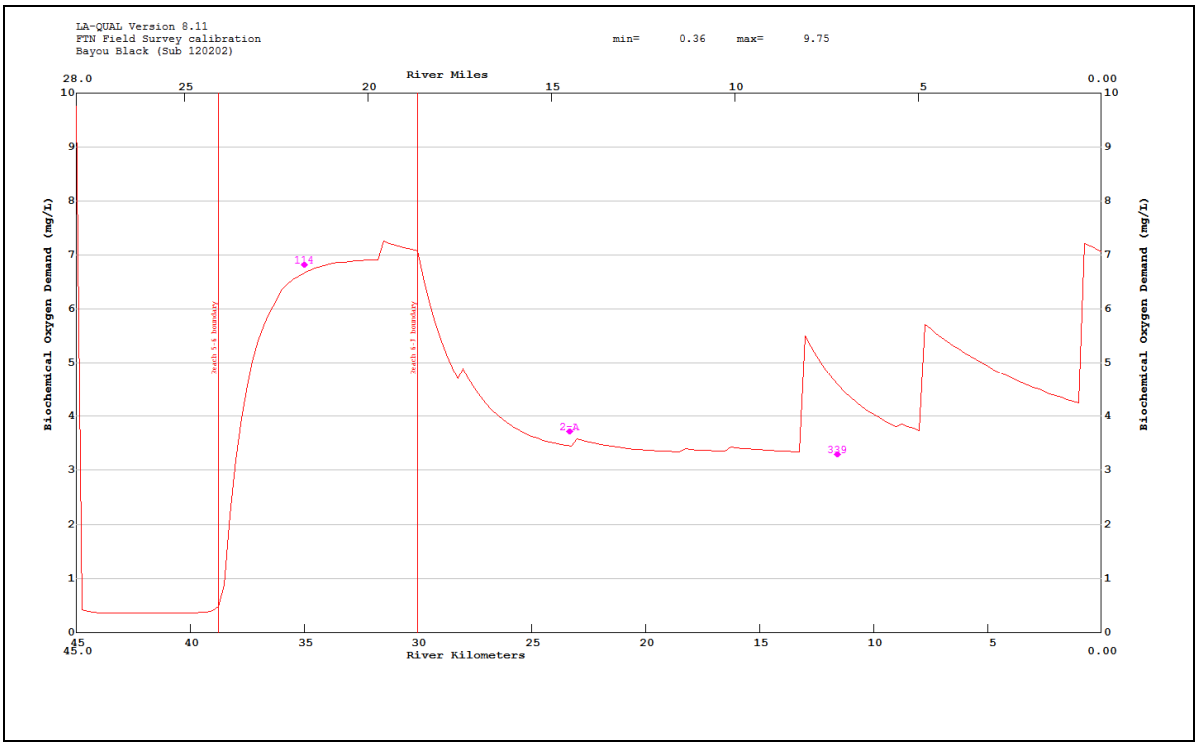

Figure F-3. BOD_u modeling results for subsegment 120202.

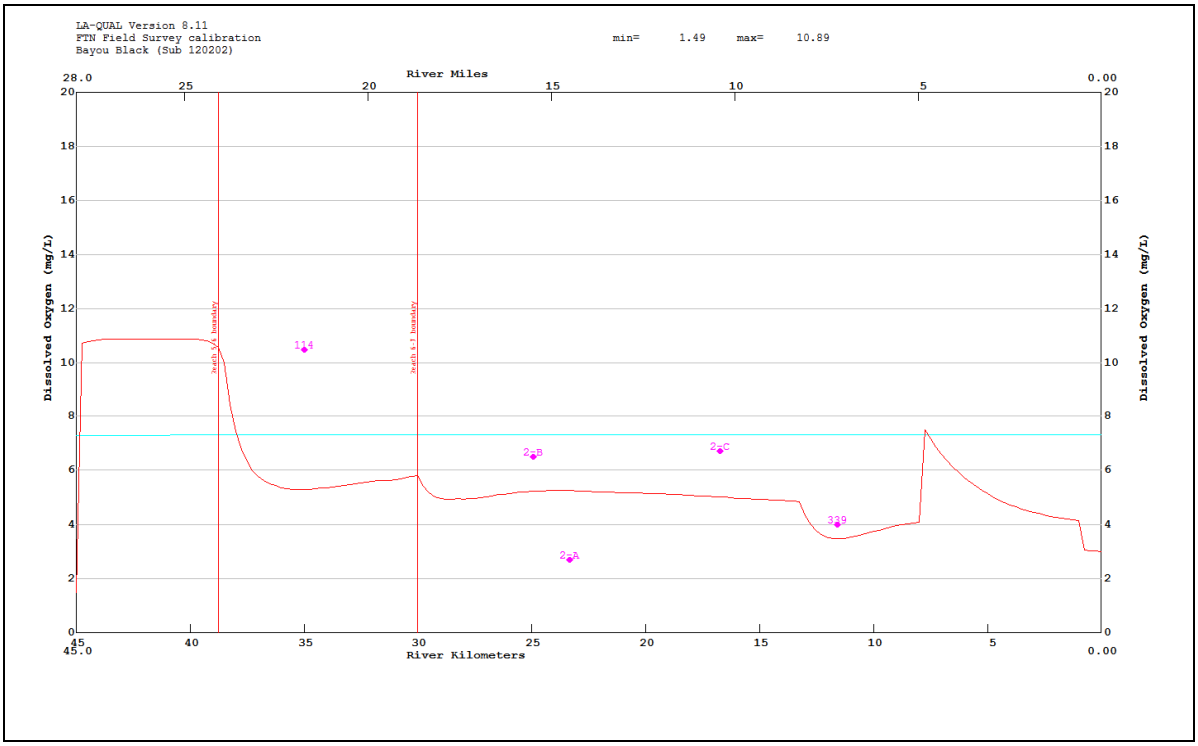

Figure F-4. DO modeling results for subsegment 120202.

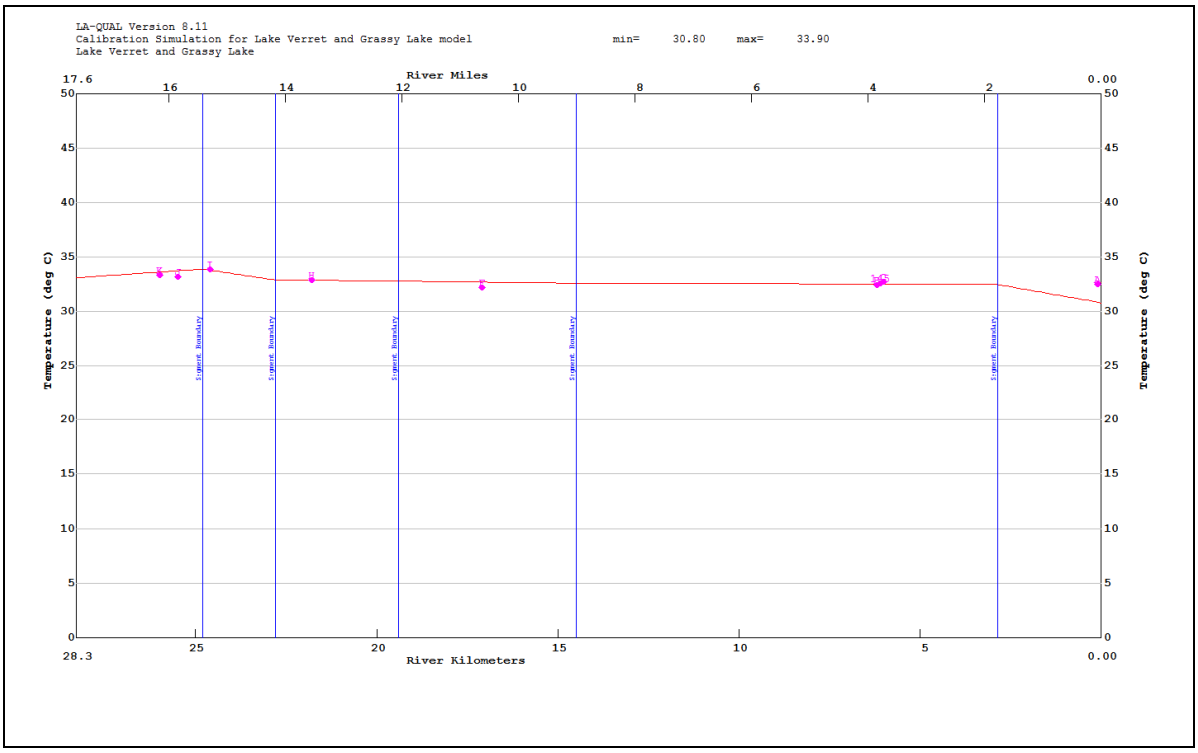

Figure F-5. Temperature modeling results for subsegment 120204.

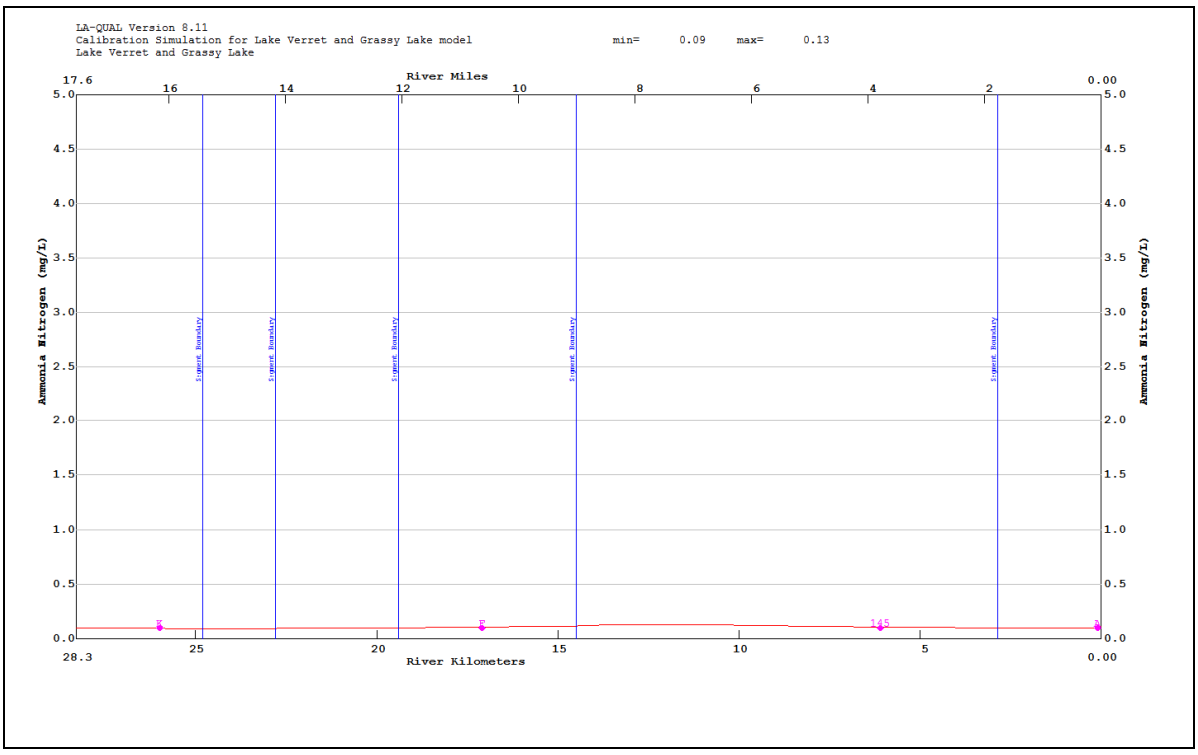

Figure F-6. Ammonia modeling results for subsegment 120204.

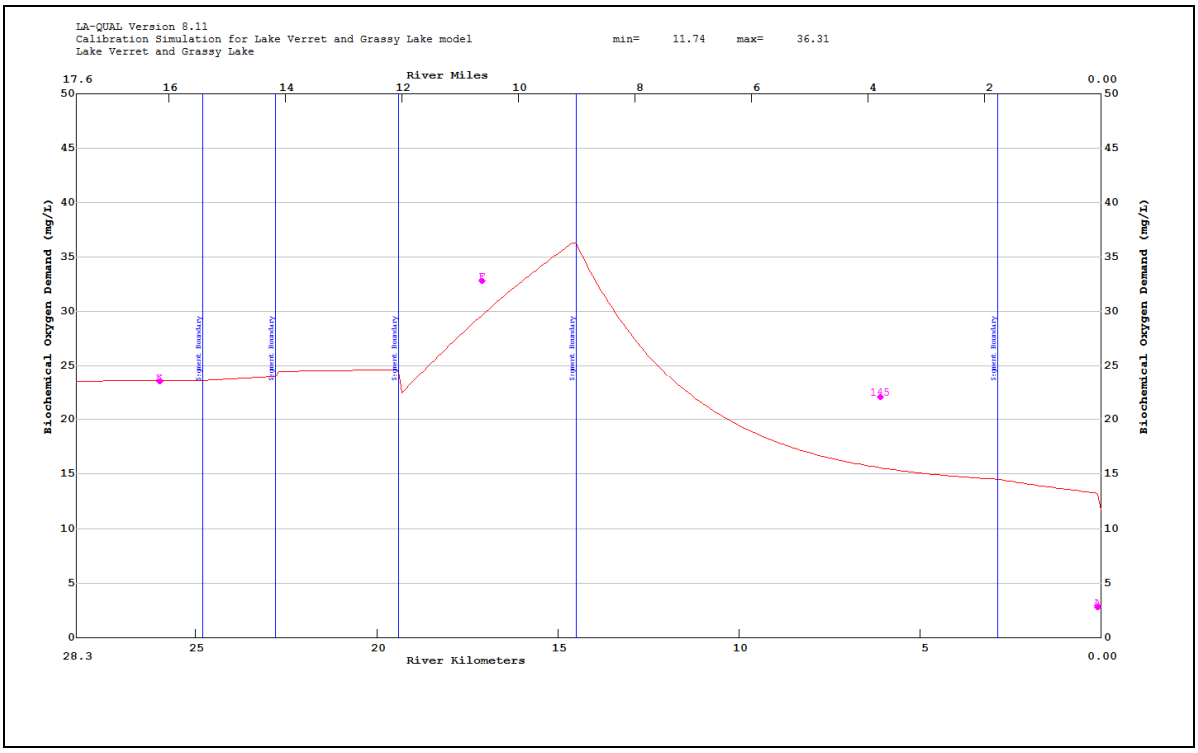

Figure F-7. BOD_u modeling results for subsegment 120204.

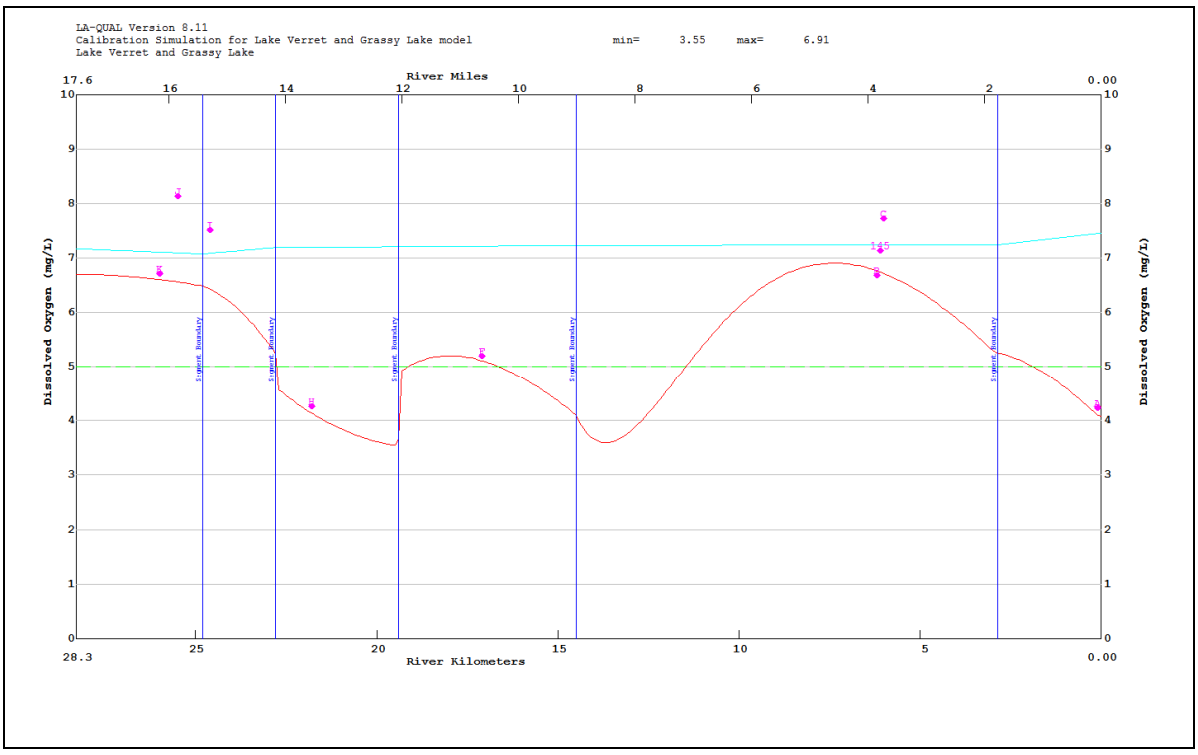

Figure F-8. DO modeling results for subsegment 120204.

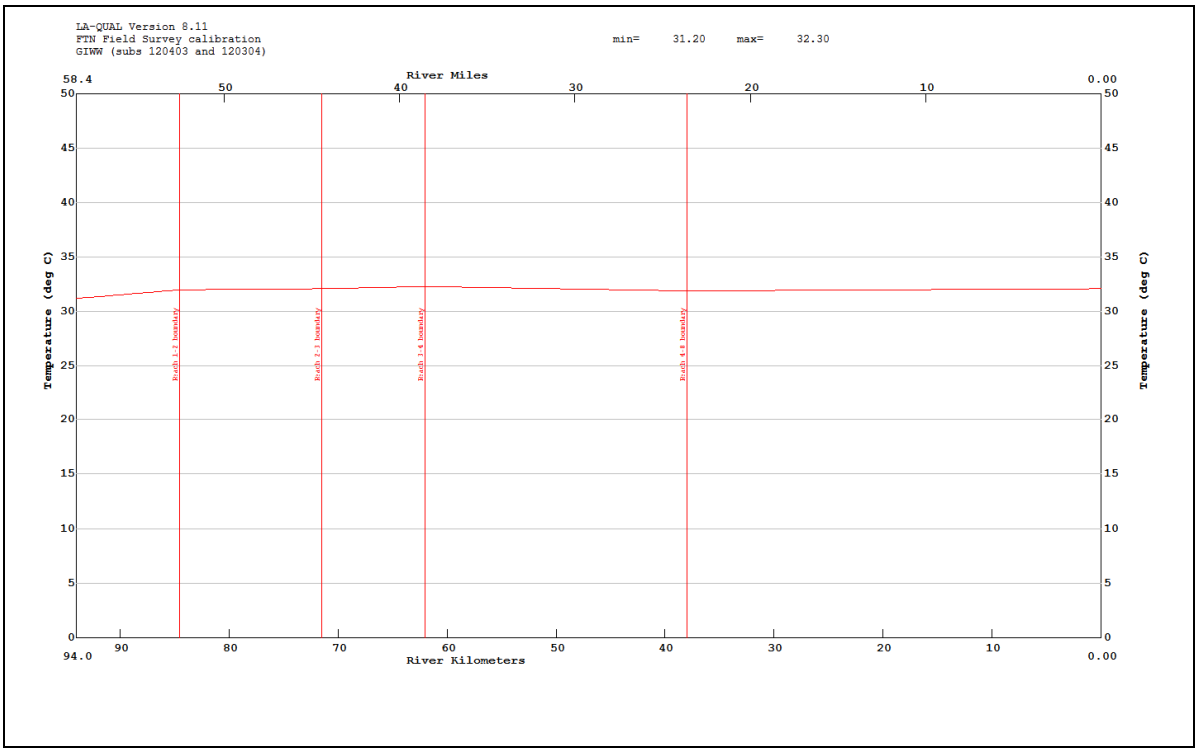

Figure F-9. Temperature modeling results for subsegments 120304 and 120403.

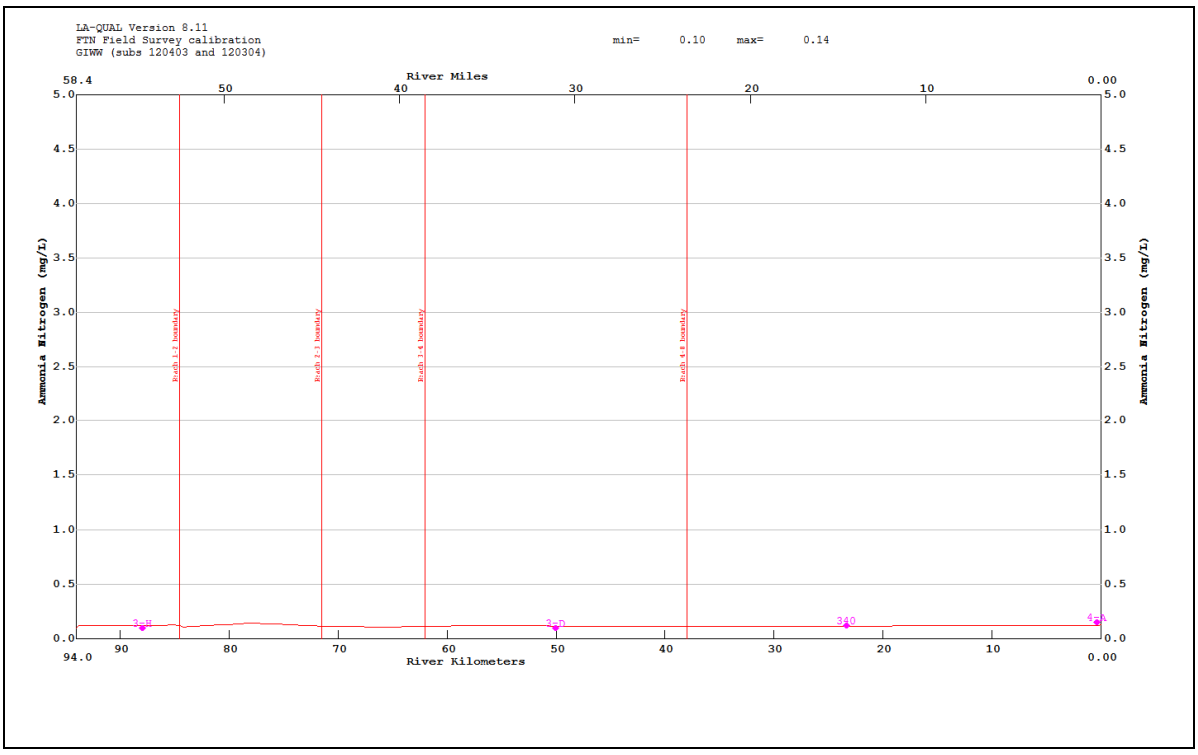

Figure F-10. Ammonia modeling results for subsegments 120304 and 120403.

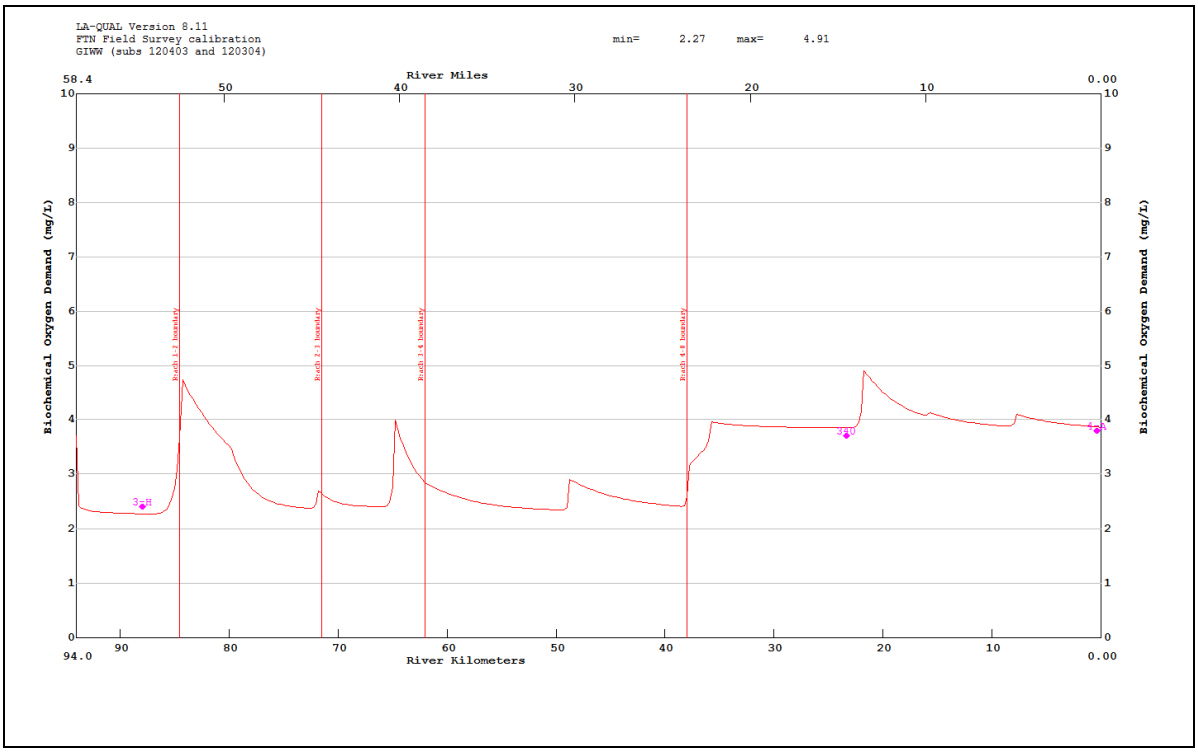

Figure F-11. BOD_u modeling results for subsegments 120304 and 120403.

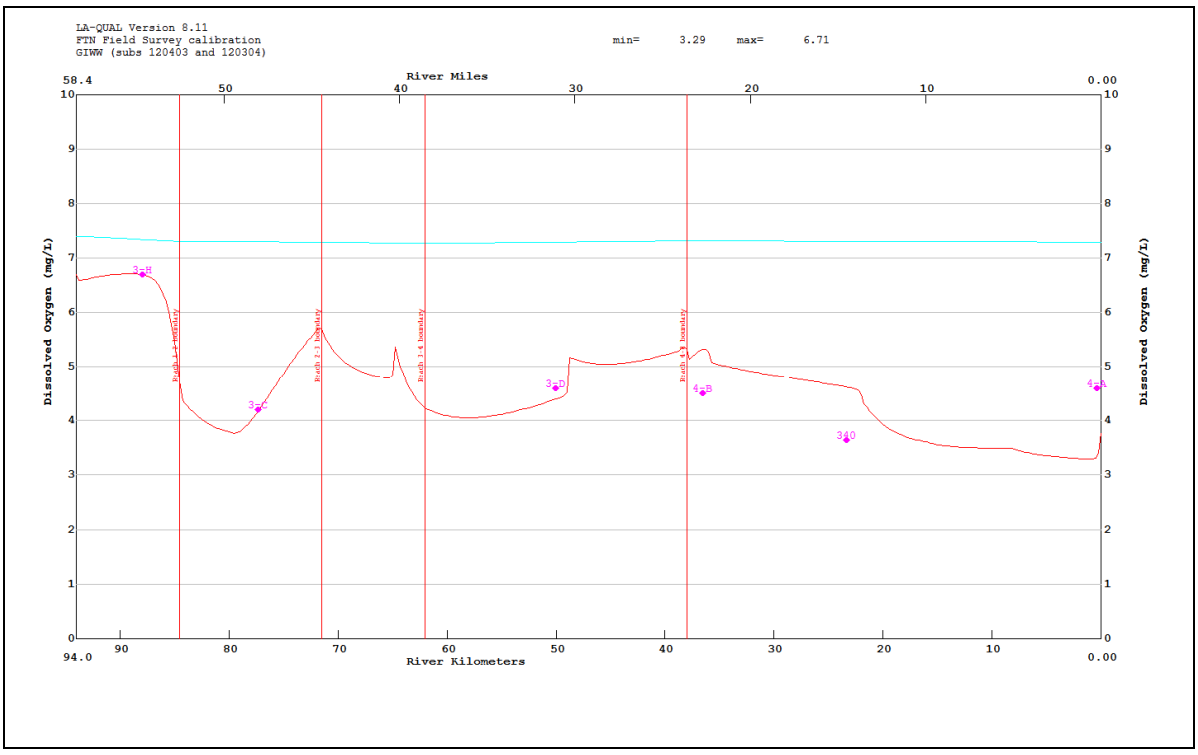

Figure F-12. DO modeling results for subsegments 120304 and 120403.

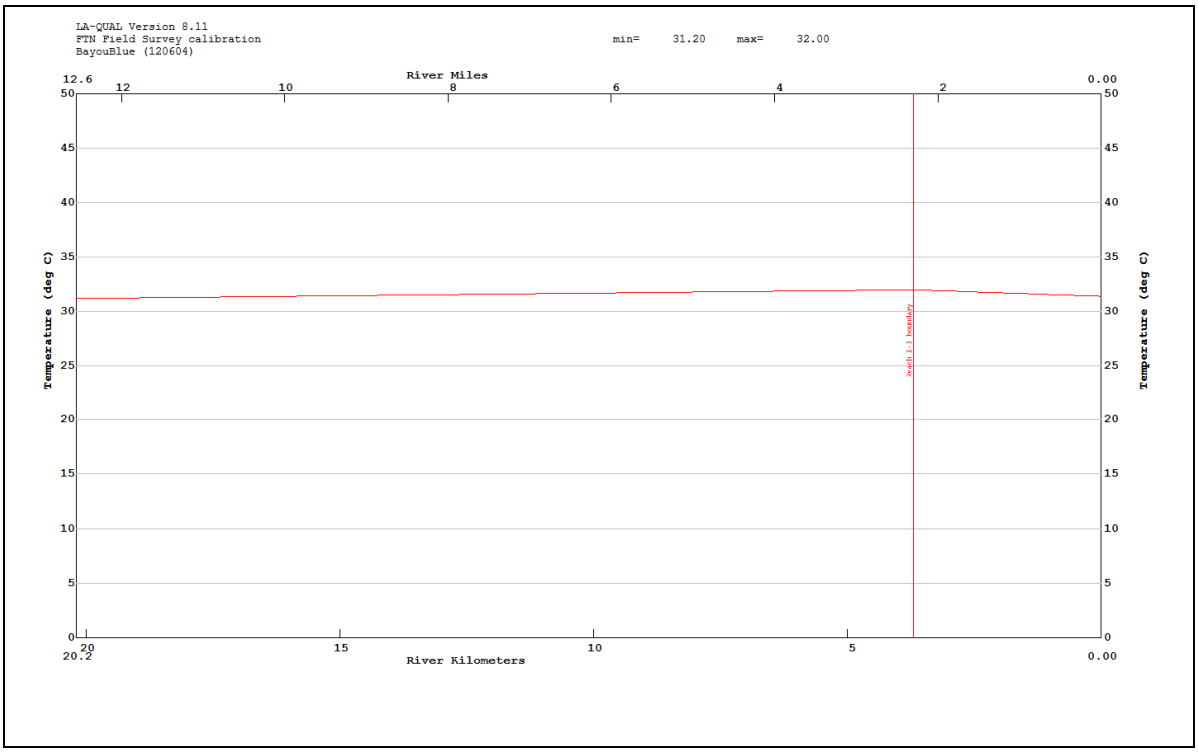

Figure F-13. Temperature modeling results for subsegment 120604.

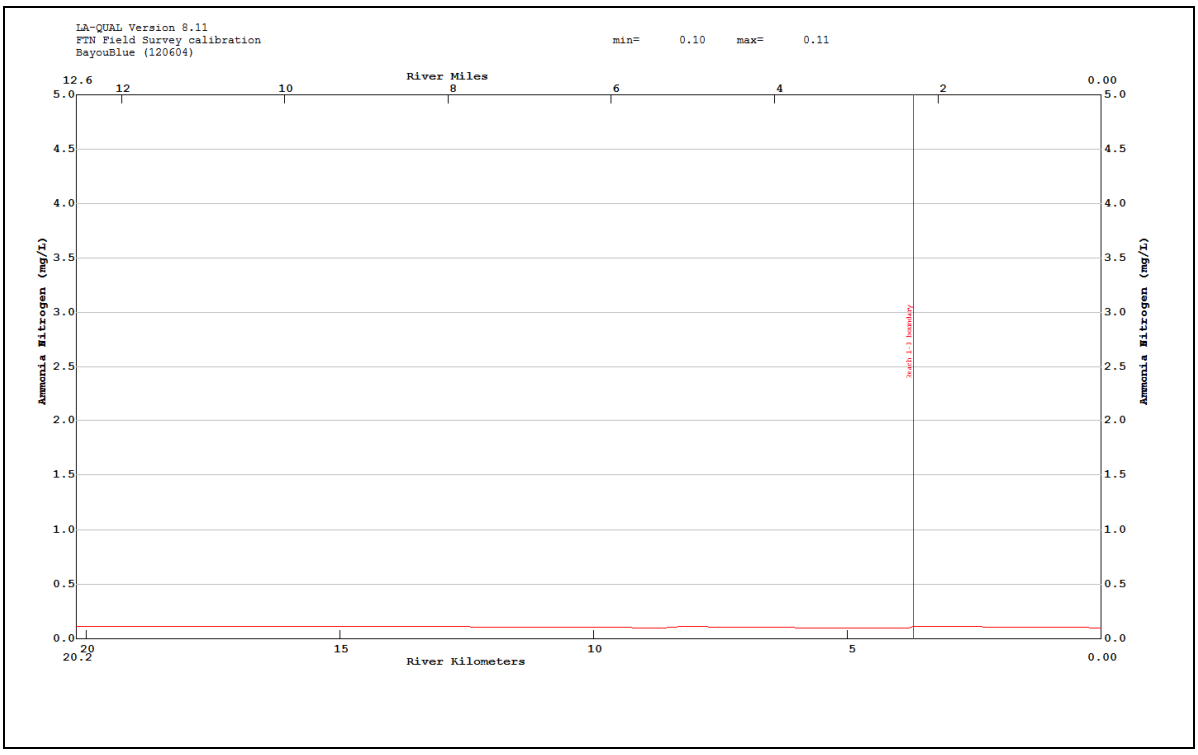

Figure F-14. Ammonia modeling results for subsegment 120604.

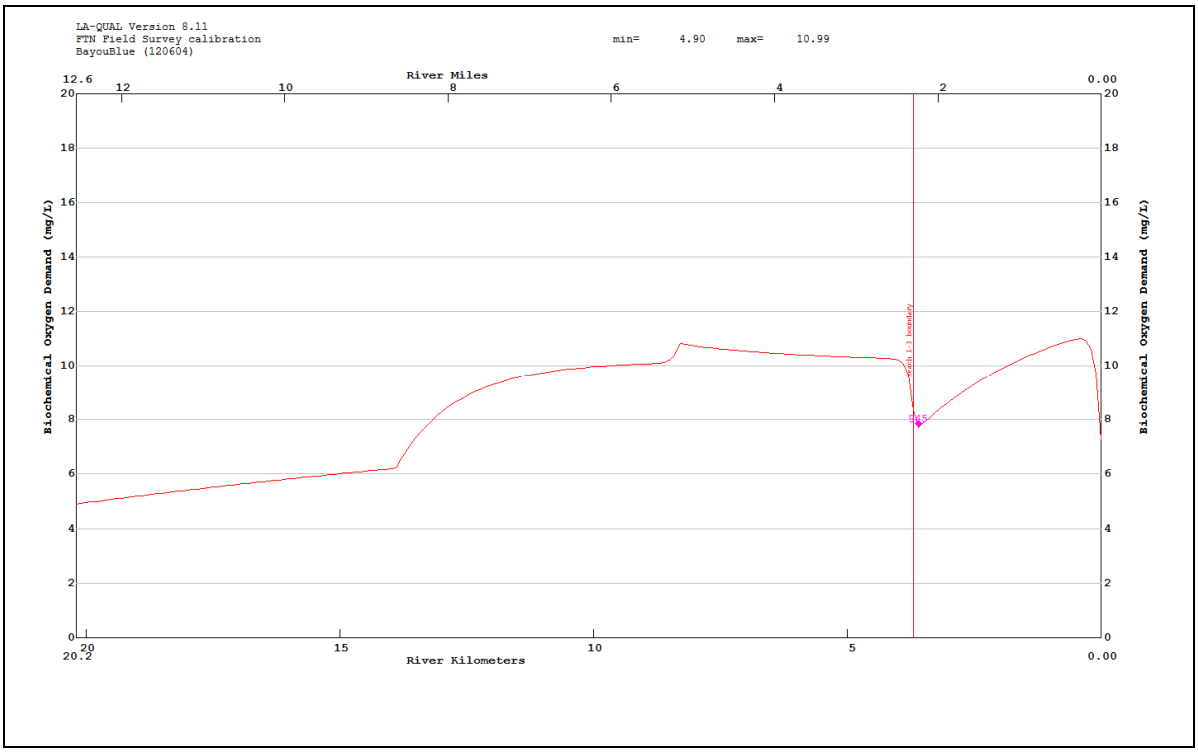

Figure F-15. BOD_u modeling results for subsegment 120604.

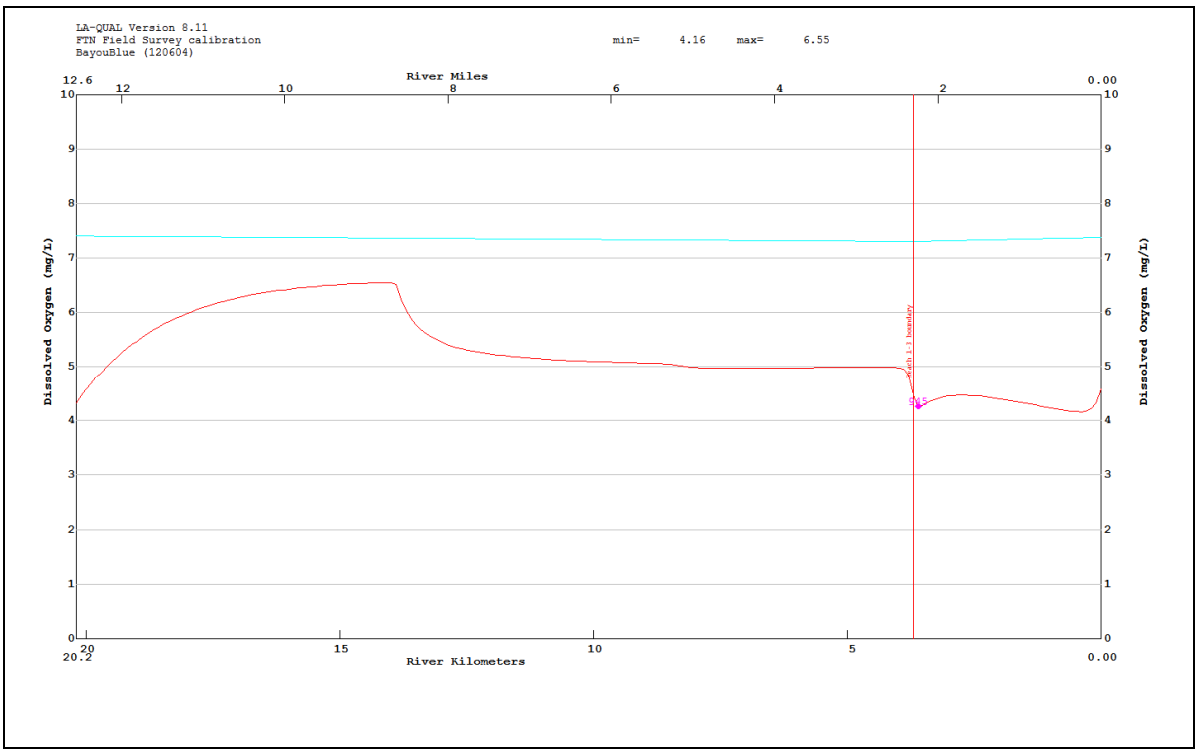

Figure F-16. DO modeling results for subsegment 120604.

APPENDIX G:
MODEL OUTPUT FOR BASELINE CONDITIONS

TMDL output file for subsegments 120202/120304/120403 1
TMDL output file for subsegment 120204 113
TMDL output file for subsegment 120604 182

TMDL output file for subsegments 120202/120304/120403

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\0608 MT\0608 MT - ICWW\baseline\GIBB_BASE_0608.txt
Output produced at 12:04 on 06/22/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL Baseline for Gulf ICWW and Bayou Black
TITLE02
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                    <Warning: legacy control - line ignored>
ENDATA01
$$$ DATA TYPE 2 (MODEL OPTIONS) $$$
CARD TYPE      MODEL OPTION
MODOPT01   NO   TEMP
MODOPT02   NO   SALI
MODOPT03   NO   CONSERVATIVE MATERIAL
MODOPT04   NO   CONSERVATIVE MATERIAL II
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07  YES   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12   NO   NONC
ENDATA02
$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        MAXIMUM ITERATION LIMIT           =      500.00000
PROGRAM        ALGAE OXYGEN PROD                 =        0.02600 mg O/ug chl a/day
PROGRAM        WIND                              =        1.30000 meters/sec
PROGRAM        TIDE  HEIGHT                      =        1.24000 meters
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
ENDATA03
$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
 CARD TYPE    RATE CODE     THETA VALUE
THETA       NH3 DECA       1.07000
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
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                        BEGIN      END    ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                          km        km      km     km            NUM    NUM
REACH ID    1  IC  Gulf ICWW                    94.00  TO  84.50  0.2500   9.50    38      1    38
REACH ID    2  IC  Gulf ICWW                    84.50  TO  71.50  0.2500  13.00    52     39    90
REACH ID    3  IC  Gulf ICWW                    71.50  TO  62.00  0.2500   9.50    38     91   128
REACH ID    4  IC  Gulf ICWW                    62.00  TO  38.00  0.2500  24.00    96    129   224
REACH ID    5  BB  Bayou Black                  45.00  TO  38.75  0.2500   6.25    25    225   249
REACH ID    6  BB  Bayou Black                  38.75  TO  30.00  0.2500   8.75    35    250   284
REACH ID    7  BB  Bayou Black                  30.00  TO   0.00  0.2500  30.00   120    285   404
REACH ID    8  IC  Gulf ICWW                    38.00  TO   0.00  0.2500  38.00   152    405   556
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID     WIDTH     WIDTH     WIDTH     DEPTH     DEPTH     DEPTH     SLOPE   MANNINGS
                "A"       "B"       "C"       "D"       "E"       "F"       "N"
HYDR-1      1  IC     0.000     0.000   182.490     0.000     0.000     9.300   0.00000   0.000
HYDR-1      2  IC     0.000     0.000   209.060     0.000     0.000    13.350   0.00000   0.000
HYDR-1      3  IC     0.000     0.000   395.300     0.000     0.000    12.770   0.00000   0.000
HYDR-1      4  IC     0.000     0.000   190.000     0.000     0.000    12.190   0.00000   0.000
HYDR-1      5  BB     0.000     0.000   196.710     0.000     0.000     4.570   0.00000   0.000
HYDR-1      6  BB     0.000     0.000    31.170     0.000     0.000     1.160   0.00000   0.000
HYDR-1      7  BB     0.000     0.000    31.170     0.000     0.000     1.160   0.00000   0.000
HYDR-1      8  IC     0.000     0.000   155.800     0.000     0.000    12.800   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"
HYDR        1  IC    0.00     0.900        0.000        0.000        0.000
HYDR        2  IC    0.00     0.500        0.000        0.000        0.000
HYDR        3  IC    0.00     0.300        0.000        0.000        0.000
HYDR        4  IC    0.00     0.300        0.000        0.000        0.000
HYDR        5  BB    0.00     0.200        0.000        0.000        0.000
HYDR        6  BB    0.00     0.000        0.000        0.000        0.000
HYDR        7  BB    0.00     0.000        0.000        0.000        0.000
HYDR        8  IC    0.00     0.900        0.000        0.000        0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE     REACH  ID     TEMP    SALIN      DO      NH3    NO3+2     PHOS    CHL A    MACRO
INITIAL         1  IC    31.20     0.00     6.70    0.10     0.00     0.00    20.00     0.00
INITIAL         2  IC    32.00     0.00     5.50    0.11     0.00     0.00    20.00     0.00
INITIAL         3  IC    32.10     0.00     5.05    0.12     0.00     0.00    20.00     0.00
INITIAL         4  IC    32.30     0.00     4.60    0.13     0.00     0.00    20.00     0.00
INITIAL         5  BB    32.10     0.00     5.70    0.10     0.00     0.00    25.00     0.00
INITIAL         6  BB    32.00     0.00     6.08    0.10     0.00     0.00    25.00     0.00
INITIAL         7  BB    32.00     0.00     6.08    0.10     0.00     0.00    50.00     0.00
INITIAL         8  IC    31.90     0.00     4.30    0.14     0.00     0.00    24.00     0.00
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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/m²/d  per day   m/d        per day  per day   m/d        per day
COEFF-1   1  IC  21 YU      0.000  0.000  0.000  1.000  0.150  0.000  1.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   2  IC  21 YU      0.000  0.000  0.000  1.000  0.150  0.000  1.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   3  IC  21 YU      0.000  0.000  0.000  2.000  0.150  0.000  1.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   4  IC  21 YU      0.000  0.000  0.000  2.200  0.150  0.000  1.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   5  BB  21 YU      0.000  0.000  0.000  0.700  0.150  0.000  1.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   6  BB  21 YU      0.000  0.000  0.000  0.700  0.150  0.000  1.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   7  BB  21 YU      0.000  0.000  0.000  1.300  0.170  0.000  1.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   8  IC  21 YU      0.000  0.000  0.000  0.700  0.150  0.000  1.000  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  IC    0.020   0.000   1.000   0.130   0.000   0.000   0.000
COEFF-2         2  IC    0.020   0.000   1.000   0.130   0.000   0.000   0.000
COEFF-2         3  IC    0.020   0.000   1.000   0.130   0.000   0.000   0.000
COEFF-2         4  IC    0.020   0.000   1.000   0.130   0.000   0.000   0.000
COEFF-2         5  BB    0.020   0.000   1.000   0.200   0.000   0.000   0.000
COEFF-2         6  BB    0.020   0.000   1.000   0.200   0.000   0.000   0.000
COEFF-2         7  BB    0.020   0.000   1.000   0.200   0.000   0.000   0.000
COEFF-2         8  IC    0.020   0.000   1.000   0.130   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  IC    0.00000   1.00000   30.00   0.00    0.00    0.00  0.10526  0.00000
INCR-1          2  IC    0.00000   0.85500   30.00   0.00    0.00    0.00  0.06577  0.00000
INCR-1          3  IC    0.00000   0.62500   30.00   0.00    0.00    0.00  0.06579  0.00000
INCR-1          4  IC    0.00000   1.57800   30.00   0.00    0.00    0.00  0.06575  0.00000
INCR-1          5  BB    0.00000   0.10000   30.00   0.00    0.00    0.00  0.01600  0.00000
INCR-1          6  BB    0.00000   0.10000   30.00   0.00    0.00    0.00  0.01143  0.00000
INCR-1          7  BB    0.00000   0.17200   30.00   0.00    0.00    0.00  0.00573  0.00000
INCR-1          8  IC    0.00000   3.25600   30.00   0.00    0.00    0.00  0.08568  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  IC     7.22    6.67     1.40    0.10    0.00    0.00
INCR-2          2  IC     7.22    6.67     1.40    0.10    0.00    0.00
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INCR-2        3  IC      7.22     6.67     1.40     0.10     0.00     0.00
INCR-2        4  IC      7.22     6.67     1.40     0.10     0.00     0.00
INCR-2        5  BB      5.00     3.70     1.10     0.10     0.00     0.00
INCR-2        6  BB      5.00     3.70     1.10     0.10     0.00     0.00
INCR-2        7  BB      5.00     3.70     1.10     0.10     0.00     0.00
INCR-2        8  IC      7.22     6.67     1.40     0.10     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  IC    9000.00   520.00     0.00     0.00     0.00     0.00
NONPOINT        2  IC   22000.00   600.00     0.00     0.00     0.00     0.00
NONPOINT        3  IC   30000.00  1200.00     0.00     0.00     0.00     0.00
NONPOINT        4  IC   33000.00  1400.00     0.00     0.00     0.00     0.00
NONPOINT        5  BB     500.00    10.00     0.00     0.00     0.00     0.00
NONPOINT        6  BB     600.00    20.00     0.00     0.00     0.00     0.00
NONPOINT        7  BB    1050.00    20.00     0.00     0.00     0.00     0.00
NONPOINT        8  IC   75000.00  2000.00     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
                                          m³/s     cfs   deg C     ppt
HDWTR-1        1    ICWW                0  0.65100  22.987  30.60    0.00    0.000    0.000  0.00
HDWTR-1      225    Bayou Black         0  4.58300 161.829  30.70    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    ICWW                  6.70     3.70     1.30     0.10     0.00     0.00
HDWTR-2      225    Bayou Black           5.00     9.75     1.41     0.30     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   UPSTRM    RIVER    NAME
         ELEMENT  ELEMENT    KILOM
JUNCTION       405     224     38.00    ICWW and Bayou Black
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT    RKILO  NAME                 FLOW      FLOW     FLOW   TEMP   SALIN     CM-I    CM-II
                                              m³/s       cfs     MGD   deg C     ppt
WSTLD-1      39     84.50  Bayou Boeuff        48.61291 1716.55762 1109.604   30.00     0.00     0.000     0.000
WSTLD-1      57     80.00  Bayou Chene        -61.60840-2175.43774-1406.230   30.00     0.00     0.000     0.000
WSTLD-1      89     72.00  Unnamed Canal        1.65157   58.31815   37.698   30.00     0.00     0.000     0.000
WSTLD-1     117     65.00  Copasaw Canal        5.40773  190.95093  123.433   30.00     0.00     0.000     0.000
WSTLD-1     181     49.00  Minors Canal South   2.48208   87.64407   56.654   30.00     0.00     0.000     0.000
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WSTLD-1   181   49.00  Minors Canal North   -0.25953   -9.16420   -5.924   30.00    0.00    0.000    0.000
WSTLD-1   221   39.00  Houma Nav. Can.     -14.93970 -527.53180 -341.003   30.00    0.00    0.000    0.000    0.000
WSTLD-1   223   38.50  PS ICWW#1            0.00003    0.00106    0.001   30.00    0.00    0.000    0.000
WSTLD-1   260   36.25  LAG531469            0.00018    0.00636    0.004   30.00    0.00    0.000    0.000
WSTLD-1   268   34.25  LAG540726            0.00005    0.00177    0.001   30.00    0.00    0.000    0.000
WSTLD-1   278   31.75  PS Black Bayou#1     0.00187    0.06603    0.043   30.00    0.00    0.000    0.000
WSTLD-1   292   28.25  PS Black Bayou#2     0.00240    0.08475    0.055   30.00    0.00    0.000    0.000
WSTLD-1   312   23.25  LAG541223            0.00088    0.03107    0.020   30.00    0.00    0.000    0.000
WSTLD-1   331   18.50  PS Black Bayou#3     0.00023    0.00812    0.005   30.00    0.00    0.000    0.000
WSTLD-1   339   16.50  LAG541317            0.00053    0.01871    0.012   30.00    0.00    0.000    0.000
WSTLD-1   352   13.25  LA0111236            0.01770    0.62500    0.404   30.00    0.00    0.000    0.000
WSTLD-1   369    9.00  PS Hanson Canal      0.00160    0.05650    0.037   30.00    0.00    0.000    0.000
WSTLD-1   372    8.25  LA0074331            0.00002    0.00071    0.000   30.00    0.00    0.000    0.000
WSTLD-1   373    8.00  Minors Canal         0.24066    8.49788    5.493   30.00    0.00    0.000    0.000
WSTLD-1   401    1.00  Little Bayou Black   0.50019   17.66208   11.417   30.00    0.00    0.000    0.000
WSTLD-1   402    0.75  PS Lil Bayou Black   0.00049    0.01730    0.011   30.00    0.00    0.000    0.000
WSTLD-1   413   36.00  Bayou Terrebonne W.  0.47188   16.66243   10.771   30.00    0.00    0.000    0.000
WSTLD-1   413   36.00  Bayou Terrebonne E.  -0.59268  -20.92797  -13.528   30.00    0.00    0.000    0.000
WSTLD-1   417   35.00  LA0111376            0.00002    0.00071    0.000   30.00    0.00    0.000    0.000
WSTLD-1   461   24.00  LA0104868            0.00006    0.00212    0.001   30.00    0.00    0.000    0.000
WSTLD-1   467   22.50  LA0089648            0.00430    0.15184    0.098   30.00    0.00    0.000    0.000
WSTLD-1   469   22.00  Company Canal North  3.60515  127.30050   82.289   30.00    0.00    0.000    0.000
WSTLD-1   469   22.00  Company Canal South  -1.72707  -60.98411  -39.421   30.00    0.00    0.000    0.000
WSTLD-1   493   16.00  St Louis Canal       0.15100    5.33192    3.447   30.00    0.00    0.000    0.000
WSTLD-1   525    8.00  Bayou Bleu North     0.52662   18.59534   12.020   30.00    0.00    0.000    0.000
WSTLD-1   541    4.00  Bayou Bleu South     -1.41564  -49.98729  -32.312   30.00    0.00    0.000    0.000
WSTLD-1   549    2.00  PS ICWW#2            0.00005    0.00177    0.001   30.00    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      39      Bayou Boeuff        4.40    5.00    0.00    1.60    0.10    0.00     0.00    0.00
WSTLD-2      57      Bayou Chene         0.00    0.00    0.00    0.00    0.00    0.00     0.00    0.00
WSTLD-2      89      Unnamed Canal       6.60    6.20    0.00    1.40    0.10    0.00     0.00    0.00
WSTLD-2     117      Copasaw Canal       6.60    6.20    0.00    1.40    0.10    0.00     0.00    0.00
WSTLD-2     181      Minors Canal South  10.40   7.20    0.00    1.40    0.10    0.00     0.00    0.00
WSTLD-2     181      Minors Canal North  0.00    0.00    0.00    0.00    0.00    0.00     0.00    0.00
WSTLD-2     221      Houma Nav. Can.     0.00    0.00    0.00    0.00    0.00    0.00     0.00    0.00
WSTLD-2     223      PS ICWW#1           5.00    103.50  0.00    7.50    15.00   0.00     2.00    0.00
WSTLD-2     260      LAG531469           5.00    103.50  0.00    7.50    15.00   0.00     2.00    0.00
WSTLD-2     268      LAG540726           5.00    69.00   0.00    5.00    10.00   0.00     2.00    0.00
WSTLD-2     278      PS Black Bayou#1    5.00    56.90   0.00    4.12    8.24    0.00     2.00    0.00
WSTLD-2     292      PS Black Bayou#2    5.00    52.70   0.00    3.82    7.63    0.00     2.00    0.00
WSTLD-2     312      LAG541223           5.00    69.00   0.00    5.00    10.00   0.00     2.00    0.00
WSTLD-2     331      PS Black Bayou#3    5.00    103.50  0.00    7.50    15.00   0.00     2.00    0.00
WSTLD-2     339      LAG541317           5.00    69.00   0.00    5.00    10.00   0.00     2.00    0.00
WSTLD-2     352      LA0111236           5.00    57.50   0.00    4.17    20.00   0.00     2.00    0.00
WSTLD-2     369      PS Hanson Canal     5.00    25.40   0.00    1.84    3.67    0.00     2.00    0.00
WSTLD-2     372      LA0074331           5.00    103.50  0.00    7.50    15.00   0.00     2.00    0.00
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WSTLD-2     373   Minors Canal          10.40    7.20    0.00    1.40    0.10    0.00    0.00    0.00
WSTLD-2     401   Little Bayou Black     2.30    9.40    0.00    1.63    0.14    0.00    0.00    0.00
WSTLD-2     402   PS Lil Bayou Black     5.00  103.50    0.00    7.50   15.00    0.00    2.00    0.00
WSTLD-2     413   Bayou Terrebonne W.    2.30    9.40    0.00    1.63    0.14    0.00    0.00    0.00
WSTLD-2     413   Bayou Terrebonne E.    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
WSTLD-2     417   LA0111376              5.00  103.50    0.00    7.50   15.00    0.00    2.00    0.00
WSTLD-2     461   LA0104868              5.00  103.50    0.00    7.50   15.00    0.00    2.00    0.00
WSTLD-2     467   LA0089648              5.00   70.80    0.00    5.13   10.27    0.00    2.00    0.00
WSTLD-2     469   Company Canal North    3.89    9.80    0.00    1.34    0.10    0.00    0.00    0.00
WSTLD-2     469   Company Canal South    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
WSTLD-2     493   St Louis Canal         3.34    8.70    0.00    0.90    0.10    0.00    0.00    0.00
WSTLD-2     525   Bayou Bleu North       3.34    8.70    0.00    0.90    0.10    0.00    0.00    0.00
WSTLD-2     541   Bayou Bleu South       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
WSTLD-2     549   PS ICWW#2              5.00  103.50    0.00    7.50   15.00    0.00    2.00    0.00
ENDATA25
$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                PHOS    CHL A    COLI     NCM
                                          mg/L     mg/L     mg/L     mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT              CONCENTRATION
LOWER BC     TEMPERATURE                  32.100    deg C
LOWER BC     SALINITY                      0.000    ppt
LOWER BC     CONSERVATIVE MATERIAL I           0.000
LOWER BC     CONSERVATIVE MATERIAL II          0.000
LOWER BC     DISSOLVED OXYGEN              5.000    mg/L
LOWER BC     BIOCHEMICAL OXYGEN DEMAND         3.800    mg/L
LOWER BC     ORGANIC NITROGEN              0.000    mg/L
LOWER BC     AMMONIA NITROGEN              0.150    mg/L
LOWER BC     NITRATE + NITRITE             0.270    mg/L
LOWER BC     PHOSPHORUS                    0.000    mg/L
LOWER BC     CHLOROPHYLL A                 21.000    µg/L
LOWER BC     COLIFORM                      0.000    #/100 mL
LOWER BC     NONCONSERVATIVE MATERIAL          0.000
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 =  2
NUMBER OF REACHES IN PLOT 1 =   5
PLOT RCH  1  2  3  4  8
NUMBER OF REACHES IN PLOT 2 =   3
PLOT RCH  5  6  7
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 GIWW_TMDL.ovl              :GIWW (subs 120403 and 120304)
```

OVERLAY 2 Black_TMDL.ovl :Bayou Black (Sub 120202)
ENDATA31
.....NO ERRORS DETECTED IN INPUT DATA
.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 8 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
INTERMEDIATE REPORT
Dissolved Oxygen LA-QUAL Baseline for Gulf ICWW and Bayou Black
mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	6.47	6.47	6.49	6.51	6.53	6.55	6.58	6.59	6.61	6.63
IC	1	11	6.64	6.65	6.66	6.67	6.68	6.69	6.69	6.70	6.70	6.70
IC	1	21	6.71	6.71	6.71	6.70	6.70	6.69	6.68	6.66	6.62	6.58
IC	1	31	6.52	6.43	6.30	6.13	5.91	5.61	5.24	4.82		
IC	2	39	4.39	4.33	4.27	4.22	4.17	4.13	4.09	4.05	4.01	3.98
IC	2	49	3.95	3.92	3.90	3.88	3.86	3.84	3.83	3.87	4.35	5.99
IC	2	59	6.53	6.68	6.71	6.69	6.65	6.61	6.56	6.51	6.46	6.41
IC	2	69	6.35	6.29	6.23	6.17	6.11	6.04	5.98	5.91	5.84	5.77
IC	2	79	5.70	5.62	5.55	5.47	5.40	5.33	5.26	5.19	5.13	5.07
IC	2	89	5.02	4.80								
IC	3	91	4.65	4.59	4.56	4.54	4.52	4.50	4.48	4.45	4.43	4.40
IC	3	101	4.37	4.35	4.31	4.28	4.25	4.22	4.18	4.15	4.13	4.11
IC	3	111	4.10	4.10	4.14	4.21	4.33	4.54	4.86	4.59	4.60	4.67
IC	3	121	4.74	4.79	4.82	4.84	4.85	4.86	4.86	4.85		
IC	4	129	4.82	4.83	4.84	4.86	4.88	4.91	4.93	4.95	4.97	4.99
IC	4	139	5.02	5.04	5.06	5.08	5.10	5.12	5.14	5.16	5.18	5.20
IC	4	149	5.22	5.24	5.26	5.28	5.30	5.31	5.33	5.34	5.36	5.37
IC	4	159	5.39	5.40	5.41	5.42	5.42	5.43	5.43	5.43	5.43	5.43
IC	4	169	5.42	5.42	5.41	5.39	5.39	5.38	5.39	5.41	5.48	5.61
IC	4	179	5.85	6.29	7.03	6.14	5.81	5.71	5.72	5.78	5.84	5.91
IC	4	189	5.97	6.02	6.07	6.12	6.16	6.20	6.23	6.27	6.30	6.33
IC	4	199	6.36	6.39	6.41	6.44	6.47	6.49	6.52	6.54	6.57	6.59
IC	4	209	6.61	6.63	6.65	6.66	6.67	6.66	6.63	6.57	6.46	6.26
IC	4	219	5.93	5.42	4.70	4.56	4.58	4.64				
IC	8	405	4.71	4.56	4.48	4.44	4.41	4.39	4.38	4.37	4.37	4.44
IC	8	415	4.47	4.47	4.46	4.45	4.43	4.41	4.38	4.36	4.34	4.31
IC	8	425	4.28	4.26	4.23	4.20	4.17	4.14	4.11	4.08	4.05	4.02
IC	8	435	3.98	3.95	3.91	3.87	3.84	3.80	3.76	3.71	3.67	3.63
IC	8	445	3.58	3.54	3.49	3.44	3.39	3.34	3.30	3.25	3.20	3.15
IC	8	455	3.10	3.06	3.02	2.98	2.95	2.92	2.90	2.90	2.90	2.93
IC	8	465	2.98	3.05	3.16	3.31	3.50	3.68	3.86	3.99	4.08	4.13
IC	8	475	4.16	4.18	4.18	4.18	4.17	4.16	4.15	4.14	4.13	4.12
IC	8	485	4.11	4.10	4.09	4.08	4.07	4.06	4.06	4.05	4.06	4.07
IC	8	495	4.08	4.08	4.08	4.08	4.08	4.07	4.06	4.06	4.05	4.04
IC	8	505	4.03	4.02	4.01	4.00	3.99	3.98	3.97	3.96	3.94	3.93
IC	8	515	3.92	3.91	3.90	3.89	3.88	3.87	3.87	3.87	3.89	3.91

IC	8	525	3.95	4.04	4.13	4.20	4.25	4.29	4.33	4.36	4.38	4.41
IC	8	535	4.43	4.45	4.46	4.48	4.50	4.51	4.53	4.54	4.55	4.56
IC	8	545	4.56	4.57	4.58	4.59	4.60	4.61	4.63	4.66	4.70	4.75
IC	8	555	4.82	4.92								
BB	5	225	4.22	3.78	3.52	3.40	3.40	3.48	3.63	3.83	4.07	4.33
BB	5	235	4.61	4.90	5.20	5.49	5.79	6.07	6.35	6.62	6.88	7.12
BB	5	245	7.35	7.57	7.78	7.98	8.14					
BB	6	250	8.11	8.09	8.07	8.04	8.02	8.00	7.98	7.96	7.94	7.93
BB	6	260	7.91	7.89	7.88	7.87	7.85	7.84	7.83	7.82	7.80	7.79
BB	6	270	7.79	7.78	7.77	7.76	7.75	7.75	7.74	7.74	7.73	7.73
BB	6	280	7.73	7.72	7.72	7.72	7.72					
BB	7	285	7.69	7.67	7.64	7.62	7.59	7.57	7.54	7.52	7.49	7.47
BB	7	295	7.44	7.42	7.39	7.37	7.35	7.32	7.30	7.28	7.25	7.23
BB	7	305	7.21	7.18	7.16	7.14	7.12	7.09	7.07	7.05	7.03	7.01
BB	7	315	6.98	6.96	6.94	6.92	6.90	6.88	6.86	6.83	6.81	6.79
BB	7	325	6.77	6.75	6.73	6.71	6.69	6.67	6.65	6.63	6.61	6.59
BB	7	335	6.57	6.55	6.53	6.51	6.49	6.47	6.45	6.43	6.41	6.40
BB	7	345	6.38	6.36	6.34	6.32	6.30	6.28	6.26	6.24	6.21	6.19
BB	7	355	6.17	6.15	6.13	6.11	6.08	6.06	6.04	6.02	6.00	5.98
BB	7	365	5.96	5.94	5.92	5.90	5.88	5.86	5.84	5.82	6.01	5.99
BB	7	375	5.97	5.94	5.92	5.90	5.88	5.85	5.83	5.81	5.79	5.77
BB	7	385	5.75	5.73	5.71	5.69	5.67	5.65	5.62	5.60	5.58	5.57
BB	7	395	5.55	5.53	5.51	5.49	5.47	5.45	5.16	5.14	5.12	5.11

INTERMEDIATE REPORT

Effective BOD LA-QUAL Baseline for Gulf ICWW and Bayou Black

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	2.55	2.47	2.42	2.38	2.36	2.34	2.33	2.32	2.31	2.30
IC	1	11	2.30	2.30	2.29	2.29	2.29	2.29	2.28	2.28	2.28	2.28
IC	1	21	2.27	2.27	2.27	2.27	2.27	2.27	2.26	2.26	2.27	2.27
IC	1	31	2.28	2.30	2.33	2.39	2.50	2.69	3.03	3.62		
IC	2	39	4.72	4.62	4.53	4.44	4.36	4.28	4.20	4.13	4.06	3.99
IC	2	49	3.92	3.86	3.80	3.74	3.69	3.63	3.58	3.52	3.28	2.62
IC	2	59	2.44	2.38	2.37	2.36	2.36	2.36	2.36	2.37	2.37	2.37
IC	2	69	2.37	2.37	2.38	2.38	2.39	2.39	2.40	2.41	2.41	2.43
IC	2	79	2.44	2.45	2.47	2.49	2.52	2.55	2.59	2.63	2.68	2.75
IC	2	89	2.82	2.53								
IC	3	91	2.44	2.42	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
IC	3	101	2.41	2.41	2.42	2.42	2.43	2.44	2.45	2.47	2.49	2.53
IC	3	111	2.58	2.65	2.74	2.87	3.05	3.30	3.65	2.89	2.59	2.47
IC	3	121	2.42	2.40	2.39	2.39	2.38	2.38	2.37	2.35		
IC	4	129	2.32	2.30	2.30	2.29	2.29	2.29	2.29	2.29	2.29	2.30
IC	4	139	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
IC	4	149	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
IC	4	159	2.30	2.30	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31
IC	4	169	2.32	2.32	2.33	2.34	2.36	2.38	2.43	2.49	2.60	2.76
IC	4	179	3.03	3.45	4.12	3.20	2.75	2.53	2.42	2.37	2.34	2.33
IC	4	189	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
IC	4	199	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.33
IC	4	209	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.34	2.35	2.39

IC	4	219	2.47	2.67	3.15	3.34	3.48	3.62				
IC	8	405	3.77	3.87	3.92	3.95	3.97	3.99	4.01	4.04	4.07	3.94
IC	8	415	3.89	3.87	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
IC	8	425	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
IC	8	435	3.86	3.86	3.86	3.86	3.86	3.86	3.87	3.87	3.87	3.88
IC	8	445	3.88	3.89	3.89	3.90	3.91	3.92	3.93	3.95	3.96	3.98
IC	8	455	4.01	4.04	4.07	4.11	4.16	4.22	4.29	4.37	4.47	4.58
IC	8	465	4.72	4.88	5.07	5.28	5.54	4.65	4.23	4.03	3.93	3.89
IC	8	475	3.86	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85
IC	8	485	3.85	3.86	3.86	3.87	3.87	3.88	3.89	3.90	3.92	3.88
IC	8	495	3.86	3.85	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84
IC	8	505	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.85	3.85	3.85
IC	8	515	3.86	3.87	3.87	3.89	3.90	3.92	3.94	3.97	4.01	4.07
IC	8	525	4.13	3.99	3.92	3.88	3.85	3.84	3.84	3.83	3.83	3.83
IC	8	535	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83
IC	8	545	3.83	3.83	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.81
IC	8	555	3.81	3.80								
BB	5	225	8.39	7.37	6.47	5.70	5.02	4.43	3.91	3.46	3.07	2.72
BB	5	235	2.42	2.16	1.94	1.74	1.56	1.41	1.28	1.16	1.06	0.98
BB	5	245	0.90	0.83	0.77	0.72	0.68					
BB	6	250	0.72	0.76	0.80	0.84	0.88	0.92	0.96	0.99	1.03	1.07
BB	6	260	1.11	1.15	1.18	1.22	1.26	1.29	1.33	1.36	1.40	1.43
BB	6	270	1.47	1.50	1.54	1.57	1.61	1.64	1.67	1.71	1.76	1.79
BB	6	280	1.83	1.86	1.89	1.92	1.95					
BB	7	285	1.96	1.97	1.98	1.99	2.00	2.01	2.01	2.05	2.06	2.06
BB	7	295	2.07	2.08	2.09	2.10	2.11	2.11	2.12	2.13	2.14	2.14
BB	7	305	2.15	2.16	2.17	2.18	2.18	2.19	2.20	2.22	2.22	2.23
BB	7	315	2.24	2.25	2.25	2.26	2.27	2.27	2.28	2.29	2.29	2.30
BB	7	325	2.31	2.31	2.32	2.33	2.33	2.34	2.35	2.36	2.36	2.37
BB	7	335	2.38	2.38	2.39	2.39	2.41	2.41	2.42	2.42	2.43	2.44
BB	7	345	2.44	2.45	2.45	2.46	2.46	2.47	2.48	2.68	2.68	2.69
BB	7	355	2.69	2.69	2.70	2.70	2.71	2.71	2.71	2.72	2.72	2.73
BB	7	365	2.73	2.73	2.74	2.74	2.75	2.76	2.76	2.76	2.97	2.97
BB	7	375	2.98	2.98	2.98	2.98	2.98	2.99	2.99	2.99	2.99	2.99
BB	7	385	3.00	3.00	3.00	3.00	3.00	3.01	3.01	3.01	3.01	3.01
BB	7	395	3.01	3.02	3.02	3.02	3.02	3.02	3.58	3.59	3.59	3.58

INTERMEDIATE REPORT

Biochemical Oxygen Demand LA-QUAL Baseline for Gulf ICWW and Bayou Black

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	2.55	2.47	2.42	2.38	2.36	2.34	2.33	2.32	2.31	2.30
IC	1	11	2.30	2.30	2.29	2.29	2.29	2.29	2.28	2.28	2.28	2.28
IC	1	21	2.27	2.27	2.27	2.27	2.27	2.27	2.26	2.26	2.27	2.27
IC	1	31	2.28	2.30	2.33	2.39	2.50	2.69	3.03	3.62		
IC	2	39	4.72	4.62	4.53	4.44	4.36	4.28	4.20	4.13	4.06	3.99
IC	2	49	3.92	3.86	3.80	3.74	3.69	3.63	3.58	3.52	3.28	2.62
IC	2	59	2.44	2.38	2.37	2.36	2.36	2.36	2.36	2.37	2.37	2.37
IC	2	69	2.37	2.37	2.38	2.38	2.39	2.39	2.40	2.41	2.41	2.43
IC	2	79	2.44	2.45	2.47	2.49	2.52	2.55	2.59	2.63	2.68	2.75
IC	2	89	2.82	2.53								

IC	3	91	2.44	2.42	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
IC	3	101	2.41	2.41	2.42	2.42	2.43	2.44	2.45	2.47	2.49	2.53
IC	3	111	2.58	2.65	2.74	2.87	3.05	3.30	3.65	2.89	2.59	2.47
IC	3	121	2.42	2.40	2.39	2.39	2.38	2.38	2.37	2.35		
IC	4	129	2.32	2.30	2.30	2.29	2.29	2.29	2.29	2.29	2.29	2.30
IC	4	139	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
IC	4	149	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
IC	4	159	2.30	2.30	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31
IC	4	169	2.32	2.32	2.33	2.34	2.36	2.38	2.43	2.49	2.60	2.76
IC	4	179	3.03	3.45	4.12	3.20	2.75	2.53	2.42	2.37	2.34	2.33
IC	4	189	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
IC	4	199	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.33
IC	4	209	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.34	2.35	2.39
IC	4	219	2.47	2.67	3.15	3.34	3.48	3.62				
IC	8	405	3.77	3.87	3.92	3.95	3.97	3.99	4.01	4.04	4.07	3.94
IC	8	415	3.89	3.87	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
IC	8	425	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
IC	8	435	3.86	3.86	3.86	3.86	3.86	3.86	3.87	3.87	3.87	3.88
IC	8	445	3.88	3.89	3.89	3.90	3.91	3.92	3.93	3.95	3.96	3.98
IC	8	455	4.01	4.04	4.07	4.11	4.16	4.22	4.29	4.37	4.47	4.58
IC	8	465	4.72	4.88	5.07	5.28	5.54	4.65	4.23	4.03	3.93	3.89
IC	8	475	3.86	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85
IC	8	485	3.85	3.86	3.86	3.87	3.87	3.88	3.89	3.90	3.92	3.88
IC	8	495	3.86	3.85	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84
IC	8	505	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.85	3.85	3.85
IC	8	515	3.86	3.87	3.87	3.89	3.90	3.92	3.94	3.97	4.01	4.07
IC	8	525	4.13	3.99	3.92	3.88	3.85	3.84	3.84	3.83	3.83	3.83
IC	8	535	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83
IC	8	545	3.83	3.83	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.81
IC	8	555	3.81	3.80								
BB	5	225	8.39	7.37	6.47	5.70	5.02	4.43	3.91	3.46	3.07	2.72
BB	5	235	2.42	2.16	1.94	1.74	1.56	1.41	1.28	1.16	1.06	0.98
BB	5	245	0.90	0.83	0.77	0.72	0.68					
BB	6	250	0.72	0.76	0.80	0.84	0.88	0.92	0.96	0.99	1.03	1.07
BB	6	260	1.11	1.15	1.18	1.22	1.26	1.29	1.33	1.36	1.40	1.43
BB	6	270	1.47	1.50	1.54	1.57	1.61	1.64	1.67	1.71	1.76	1.79
BB	6	280	1.83	1.86	1.89	1.92	1.95					
BB	7	285	1.96	1.97	1.98	1.99	2.00	2.01	2.01	2.05	2.06	2.06
BB	7	295	2.07	2.08	2.09	2.10	2.11	2.11	2.12	2.13	2.14	2.14
BB	7	305	2.15	2.16	2.17	2.18	2.18	2.19	2.20	2.22	2.22	2.23
BB	7	315	2.24	2.25	2.25	2.26	2.27	2.27	2.28	2.29	2.29	2.30
BB	7	325	2.31	2.31	2.32	2.33	2.33	2.34	2.35	2.36	2.36	2.37
BB	7	335	2.38	2.38	2.39	2.39	2.41	2.41	2.42	2.42	2.43	2.44
BB	7	345	2.44	2.45	2.45	2.46	2.46	2.47	2.48	2.68	2.68	2.69
BB	7	355	2.69	2.69	2.70	2.70	2.71	2.71	2.71	2.72	2.72	2.73
BB	7	365	2.73	2.73	2.74	2.74	2.75	2.76	2.76	2.76	2.97	2.97
BB	7	375	2.98	2.98	2.98	2.98	2.98	2.99	2.99	2.99	2.99	2.99
BB	7	385	3.00	3.00	3.00	3.00	3.00	3.01	3.01	3.01	3.01	3.01
BB	7	395	3.01	3.02	3.02	3.02	3.02	3.02	3.58	3.59	3.59	3.58

INTERMEDIATE REPORT

Organic Nitrogen LA-QUAL Baseline for Gulf ICWW and Bayou Black
mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	1.30	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
IC	1	11	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
IC	1	21	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.32	1.32
IC	1	31	1.33	1.34	1.35	1.36	1.39	1.41	1.45	1.51		
IC	2	39	1.58	1.58	1.58	1.57	1.57	1.56	1.56	1.56	1.55	1.55
IC	2	49	1.55	1.54	1.54	1.54	1.53	1.53	1.52	1.51	1.41	1.08
IC	2	59	0.98	0.95	0.94	0.94	0.94	0.95	0.95	0.96	0.96	0.97
IC	2	69	0.97	0.98	0.98	0.99	1.00	1.00	1.01	1.01	1.02	1.03
IC	2	79	1.03	1.04	1.05	1.05	1.06	1.07	1.08	1.08	1.09	1.10
IC	2	89	1.11	1.08								
IC	3	91	1.08	1.08	1.08	1.09	1.09	1.09	1.10	1.10	1.11	1.11
IC	3	101	1.11	1.12	1.12	1.13	1.14	1.14	1.15	1.15	1.16	1.17
IC	3	111	1.18	1.18	1.19	1.20	1.21	1.22	1.23	1.14	1.09	1.06
IC	3	121	1.04	1.03	1.02	1.02	1.02	1.02	1.02	1.02		
IC	4	129	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.04	1.04	1.04
IC	4	139	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.05	1.05	1.05
IC	4	149	1.05	1.05	1.05	1.06	1.06	1.06	1.06	1.07	1.07	1.07
IC	4	159	1.08	1.08	1.08	1.09	1.09	1.10	1.10	1.11	1.12	1.12
IC	4	169	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.21	1.22	1.24
IC	4	179	1.26	1.28	1.30	1.25	1.21	1.18	1.15	1.13	1.11	1.10
IC	4	189	1.08	1.08	1.07	1.06	1.06	1.05	1.05	1.04	1.04	1.04
IC	4	199	1.04	1.04	1.04	1.03	1.03	1.03	1.03	1.03	1.03	1.03
IC	4	209	1.03	1.03	1.03	1.03	1.03	1.04	1.04	1.04	1.05	1.05
IC	4	219	1.06	1.08	1.11	1.12	1.12	1.12				
IC	8	405	1.12	1.13	1.13	1.13	1.13	1.13	1.14	1.14	1.14	1.12
IC	8	415	1.12	1.11	1.11	1.11	1.11	1.11	1.11	1.12	1.12	1.12
IC	8	425	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
IC	8	435	1.12	1.12	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
IC	8	445	1.13	1.13	1.13	1.14	1.14	1.14	1.14	1.14	1.14	1.14
IC	8	455	1.14	1.14	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.16
IC	8	465	1.16	1.16	1.16	1.16	1.16	1.11	1.08	1.07	1.06	1.05
IC	8	475	1.04	1.04	1.04	1.04	1.03	1.03	1.03	1.03	1.03	1.02
IC	8	485	1.02	1.02	1.02	1.02	1.01	1.01	1.01	1.01	1.00	1.00
IC	8	495	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97
IC	8	505	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91
IC	8	515	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83
IC	8	525	0.82	0.80	0.79	0.77	0.76	0.74	0.72	0.70	0.69	0.67
IC	8	535	0.64	0.62	0.60	0.57	0.55	0.52	0.49	0.47	0.44	0.41
IC	8	545	0.39	0.36	0.33	0.30	0.27	0.24	0.21	0.18	0.14	0.10
IC	8	555	0.07	0.03								
BB	5	225	1.39	1.37	1.35	1.33	1.31	1.30	1.28	1.26	1.24	1.23
BB	5	235	1.21	1.20	1.18	1.16	1.15	1.13	1.12	1.10	1.09	1.08
BB	5	245	1.06	1.05	1.03	1.02	1.01					
BB	6	250	1.01	1.01	1.01	1.01	1.01	1.02	1.02	1.02	1.02	1.02
BB	6	260	1.02	1.02	1.02	1.02	1.02	1.02	1.03	1.03	1.03	1.03
BB	6	270	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.04	1.04
BB	6	280	1.04	1.04	1.04	1.04	1.04					

BB	7	285	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	7	295	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	7	305	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	7	315	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	7	325	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	7	335	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	7	345	1.04	1.04	1.03	1.03	1.03	1.03	1.03	1.05	1.05	1.05
BB	7	355	1.05	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	7	365	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.06	1.06
BB	7	375	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
BB	7	385	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
BB	7	395	1.06	1.06	1.06	1.06	1.06	1.05	1.11	1.11	1.11	1.11

INTERMEDIATE REPORT

Ammonia Nitrogen — LA-QUAL Baseline for Gulf ICWW and Bayou Black

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	1	11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	1	21	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	1	31	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12		
IC	2	39	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12
IC	2	49	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.12	0.10
IC	2	59	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
IC	2	69	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10
IC	2	79	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
IC	2	89	0.10	0.10								
IC	3	91	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	3	101	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	3	111	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10
IC	3	121	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
IC	4	129	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
IC	4	139	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
IC	4	149	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
IC	4	159	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11
IC	4	169	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	4	179	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10
IC	4	189	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09
IC	4	199	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
IC	4	209	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10
IC	4	219	0.10	0.10	0.11	0.11	0.11	0.11				
IC	8	405	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	8	415	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	8	425	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
IC	8	435	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	445	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	455	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
IC	8	465	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10
IC	8	475	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
IC	8	485	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
IC	8	495	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

IC	8	505	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
IC	8	515	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08
IC	8	525	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06
IC	8	535	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04
IC	8	545	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.07	0.08
IC	8	555	0.10	0.13								
BB	5	225	0.26	0.23	0.20	0.18	0.17	0.15	0.14	0.13	0.12	0.11
BB	5	235	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.08	0.07	0.07
BB	5	245	0.07	0.07	0.07	0.06	0.06					
BB	6	250	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
BB	6	260	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
BB	6	270	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07
BB	6	280	0.07	0.07	0.07	0.07	0.07					
BB	7	285	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	295	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	305	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	315	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	325	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	335	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
BB	7	345	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.14	0.14	0.14
BB	7	355	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13
BB	7	365	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
BB	7	375	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
BB	7	385	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
BB	7	395	0.12	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen LA-QUAL Baseline for Gulf ICWW and Bayou Black

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	2	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	89	0.00	0.00								
IC	3	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	4	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IC	4	199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	209	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	219	0.00	0.00	0.00	0.00	0.00	0.00				
IC	8	405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	425	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	455	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	465	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	485	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	495	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	505	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	515	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	545	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
IC	8	555	0.11	0.21								
BB	5	225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	245	0.00	0.00	0.00	0.00	0.00					
BB	6	250	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	280	0.00	0.00	0.00	0.00	0.00					
BB	7	285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL Baseline for Gulf ICWW and Bayou Black

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	1.42	1.42	1.42	1.43	1.43	1.43	1.43	1.43	1.43	1.43
IC	1	11	1.43	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
IC	1	21	1.42	1.42	1.42	1.42	1.43	1.43	1.43	1.43	1.44	1.44
IC	1	31	1.45	1.46	1.47	1.49	1.51	1.54	1.58	1.62		
IC	2	39	1.69	1.69	1.68	1.68	1.68	1.68	1.68	1.67	1.67	1.67
IC	2	49	1.67	1.66	1.66	1.66	1.66	1.65	1.65	1.64	1.53	1.18
IC	2	59	1.07	1.03	1.03	1.03	1.03	1.04	1.04	1.05	1.05	1.06
IC	2	69	1.06	1.07	1.08	1.08	1.09	1.10	1.10	1.11	1.12	1.12

IC	2	79	1.13	1.14	1.15	1.15	1.16	1.17	1.18	1.19	1.19	1.20
IC	2	89	1.21	1.19								
IC	3	91	1.18	1.19	1.19	1.19	1.20	1.20	1.20	1.21	1.21	1.22
IC	3	101	1.22	1.23	1.24	1.24	1.25	1.25	1.26	1.27	1.28	1.28
IC	3	111	1.29	1.30	1.31	1.31	1.32	1.33	1.34	1.25	1.19	1.16
IC	3	121	1.14	1.13	1.12	1.12	1.12	1.12	1.12	1.12		
IC	4	129	1.12	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
IC	4	139	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.15	1.15
IC	4	149	1.15	1.15	1.15	1.16	1.16	1.16	1.16	1.17	1.17	1.17
IC	4	159	1.18	1.18	1.19	1.19	1.20	1.20	1.21	1.21	1.22	1.23
IC	4	169	1.24	1.25	1.26	1.27	1.28	1.29	1.31	1.32	1.34	1.35
IC	4	179	1.37	1.39	1.41	1.36	1.32	1.28	1.26	1.23	1.21	1.20
IC	4	189	1.18	1.17	1.17	1.16	1.15	1.15	1.14	1.14	1.14	1.13
IC	4	199	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
IC	4	209	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.14	1.15
IC	4	219	1.16	1.19	1.22	1.23	1.23	1.23				
IC	8	405	1.23	1.24	1.24	1.24	1.24	1.25	1.25	1.25	1.25	1.23
IC	8	415	1.23	1.22	1.22	1.22	1.22	1.22	1.23	1.23	1.23	1.23
IC	8	425	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.24	1.24	1.24
IC	8	435	1.24	1.24	1.24	1.24	1.24	1.24	1.25	1.25	1.25	1.25
IC	8	445	1.25	1.25	1.25	1.26	1.26	1.26	1.26	1.26	1.26	1.26
IC	8	455	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.28	1.28
IC	8	465	1.28	1.28	1.28	1.27	1.27	1.22	1.19	1.17	1.16	1.15
IC	8	475	1.15	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.13	1.13
IC	8	485	1.12	1.12	1.12	1.12	1.11	1.11	1.11	1.10	1.10	1.10
IC	8	495	1.10	1.09	1.09	1.09	1.08	1.08	1.08	1.07	1.07	1.06
IC	8	505	1.06	1.05	1.05	1.04	1.04	1.03	1.02	1.02	1.01	1.00
IC	8	515	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
IC	8	525	0.90	0.88	0.86	0.84	0.83	0.81	0.79	0.77	0.75	0.73
IC	8	535	0.70	0.68	0.65	0.63	0.60	0.57	0.54	0.51	0.48	0.45
IC	8	545	0.43	0.40	0.37	0.34	0.32	0.29	0.26	0.24	0.21	0.19
IC	8	555	0.28	0.37								
BB	5	225	1.64	1.60	1.55	1.52	1.48	1.45	1.42	1.39	1.37	1.34
BB	5	235	1.32	1.30	1.27	1.25	1.23	1.22	1.20	1.18	1.16	1.15
BB	5	245	1.13	1.12	1.10	1.09	1.07					
BB	6	250	1.07	1.07	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
BB	6	260	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.09	1.09
BB	6	270	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.10
BB	6	280	1.10	1.10	1.11	1.11	1.11					
BB	7	285	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
BB	7	295	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
BB	7	305	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
BB	7	315	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
BB	7	325	1.11	1.11	1.11	1.11	1.10	1.10	1.11	1.11	1.11	1.10
BB	7	335	1.10	1.10	1.10	1.10	1.11	1.11	1.10	1.10	1.10	1.10
BB	7	345	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.19	1.18	1.18
BB	7	355	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
BB	7	365	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.19	1.18
BB	7	375	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
BB	7	385	1.18	1.18	1.18	1.18	1.17	1.17	1.17	1.17	1.17	1.17

BB	7	395	1.17	1.17	1.17	1.17	1.17	1.17	1.22	1.22	1.22	1.22

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL Baseline for Gulf ICWW and Bayou Black

µg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	1	11	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	1	21	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	1	31	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
IC	2	39	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	49	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	59	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	69	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	79	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	89	20.00	20.00								
IC	3	91	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	3	101	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	3	111	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	3	121	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
IC	4	129	20.04	20.08	20.12	20.17	20.21	20.25	20.29	20.33	20.38	20.42
IC	4	139	20.46	20.50	20.54	20.58	20.62	20.67	20.71	20.75	20.79	20.83
IC	4	149	20.88	20.92	20.96	21.00	21.04	21.08	21.12	21.17	21.21	21.25
IC	4	159	21.29	21.33	21.38	21.42	21.46	21.50	21.54	21.58	21.62	21.67
IC	4	169	21.71	21.75	21.79	21.83	21.88	21.92	21.96	22.00	22.04	22.08
IC	4	179	22.12	22.17	22.21	22.25	22.29	22.33	22.38	22.42	22.46	22.50
IC	4	189	22.54	22.58	22.62	22.67	22.71	22.75	22.79	22.83	22.88	22.92
IC	4	199	22.96	23.00	23.04	23.08	23.12	23.17	23.21	23.25	23.29	23.33
IC	4	209	23.38	23.42	23.46	23.50	23.54	23.58	23.62	23.67	23.71	23.75
IC	4	219	23.79	23.83	23.88	23.92	23.96	24.00				
IC	8	405	23.98	23.96	23.94	23.92	23.90	23.88	23.86	23.84	23.82	23.80
IC	8	415	23.78	23.76	23.74	23.72	23.70	23.68	23.66	23.64	23.62	23.61
IC	8	425	23.59	23.57	23.55	23.53	23.51	23.49	23.47	23.45	23.43	23.41
IC	8	435	23.39	23.37	23.35	23.33	23.31	23.29	23.27	23.25	23.23	23.21
IC	8	445	23.19	23.17	23.15	23.13	23.11	23.09	23.07	23.05	23.03	23.01
IC	8	455	22.99	22.97	22.95	22.93	22.91	22.89	22.88	22.86	22.84	22.82
IC	8	465	22.80	22.78	22.76	22.74	22.72	22.70	22.68	22.66	22.64	22.62
IC	8	475	22.60	22.58	22.56	22.54	22.52	22.50	22.48	22.46	22.44	22.42
IC	8	485	22.40	22.38	22.36	22.34	22.32	22.30	22.28	22.26	22.24	22.22
IC	8	495	22.20	22.18	22.16	22.14	22.12	22.11	22.09	22.07	22.05	22.03
IC	8	505	22.01	21.99	21.97	21.95	21.93	21.91	21.89	21.87	21.85	21.83
IC	8	515	21.81	21.79	21.77	21.75	21.73	21.71	21.69	21.67	21.65	21.63
IC	8	525	21.61	21.59	21.57	21.55	21.53	21.51	21.49	21.47	21.45	21.43
IC	8	535	21.41	21.39	21.38	21.36	21.34	21.32	21.30	21.28	21.26	21.24
IC	8	545	21.22	21.20	21.18	21.16	21.14	21.12	21.10	21.08	21.06	21.04
IC	8	555	21.02	21.00								
BB	5	225	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
BB	5	235	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
BB	5	245	25.00	25.00	25.00	25.00	25.00					
BB	6	250	25.71	26.43	27.14	27.86	28.57	29.29	30.00	30.71	31.43	32.14
BB	6	260	32.86	33.57	34.29	35.00	35.71	36.43	37.14	37.86	38.57	39.29

BB	6	270	40.00	40.71	41.43	42.14	42.86	43.57	44.29	45.00	45.71	46.43
BB	6	280	47.14	47.86	48.57	49.29	50.00					
BB	7	285	49.78	49.57	49.35	49.13	48.92	48.70	48.48	48.27	48.05	47.83
BB	7	295	47.62	47.40	47.18	46.97	46.75	46.53	46.32	46.10	45.88	45.67
BB	7	305	45.45	45.23	45.02	44.80	44.58	44.37	44.15	43.93	43.72	43.50
BB	7	315	43.28	43.07	42.85	42.63	42.42	42.20	41.98	41.77	41.55	41.33
BB	7	325	41.12	40.90	40.68	40.47	40.25	40.03	39.82	39.60	39.38	39.17
BB	7	335	38.95	38.73	38.52	38.30	38.08	37.87	37.65	37.43	37.22	37.00
BB	7	345	36.78	36.57	36.35	36.13	35.92	35.70	35.48	35.27	35.05	34.83
BB	7	355	34.62	34.40	34.18	33.97	33.75	33.53	33.32	33.10	32.88	32.67
BB	7	365	32.45	32.23	32.02	31.80	31.58	31.37	31.15	30.93	30.72	30.50
BB	7	375	30.28	30.07	29.85	29.63	29.42	29.20	28.98	28.77	28.55	28.33
BB	7	385	28.12	27.90	27.68	27.47	27.25	27.03	26.82	26.60	26.38	26.17
BB	7	395	25.95	25.73	25.52	25.30	25.08	24.87	24.65	24.43	24.22	24.00

INTERMEDIATE REPORT

Temperature LA-QUAL Baseline for Gulf ICWW and Bayou Black

deg C

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	31.22	31.24	31.26	31.28	31.31	31.33	31.35	31.37	31.39	31.41
IC	1	11	31.43	31.45	31.47	31.49	31.52	31.54	31.56	31.58	31.60	31.62
IC	1	21	31.64	31.66	31.68	31.71	31.73	31.75	31.77	31.79	31.81	31.83
IC	1	31	31.85	31.87	31.89	31.92	31.94	31.96	31.98	32.00		
IC	2	39	32.00	32.00	32.01	32.01	32.01	32.01	32.01	32.02	32.02	32.02
IC	2	49	32.02	32.02	32.03	32.03	32.03	32.03	32.03	32.03	32.04	32.04
IC	2	59	32.04	32.04	32.04	32.05	32.05	32.05	32.05	32.05	32.06	32.06
IC	2	69	32.06	32.06	32.06	32.07	32.07	32.07	32.07	32.07	32.08	32.08
IC	2	79	32.08	32.08	32.08	32.08	32.09	32.09	32.09	32.09	32.09	32.10
IC	2	89	32.10	32.10								
IC	3	91	32.11	32.11	32.12	32.12	32.13	32.13	32.14	32.14	32.15	32.15
IC	3	101	32.16	32.16	32.17	32.17	32.18	32.18	32.19	32.19	32.20	32.21
IC	3	111	32.21	32.22	32.22	32.23	32.23	32.24	32.24	32.25	32.25	32.26
IC	3	121	32.26	32.27	32.27	32.28	32.28	32.29	32.29	32.30		
IC	4	129	32.30	32.29	32.29	32.28	32.28	32.27	32.27	32.27	32.26	32.26
IC	4	139	32.25	32.25	32.25	32.24	32.24	32.23	32.23	32.22	32.22	32.22
IC	4	149	32.21	32.21	32.20	32.20	32.20	32.19	32.19	32.18	32.18	32.17
IC	4	159	32.17	32.17	32.16	32.16	32.15	32.15	32.15	32.14	32.14	32.13
IC	4	169	32.13	32.12	32.12	32.12	32.11	32.11	32.10	32.10	32.10	32.09
IC	4	179	32.09	32.08	32.08	32.08	32.07	32.07	32.06	32.06	32.05	32.05
IC	4	189	32.05	32.04	32.04	32.03	32.03	32.02	32.02	32.02	32.01	32.01
IC	4	199	32.00	32.00	32.00	31.99	31.99	31.98	31.98	31.98	31.97	31.97
IC	4	209	31.96	31.96	31.95	31.95	31.95	31.94	31.94	31.93	31.93	31.92
IC	4	219	31.92	31.92	31.91	31.91	31.90	31.90				
IC	8	405	31.90	31.90	31.90	31.91	31.91	31.91	31.91	31.91	31.91	31.91
IC	8	415	31.91	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.93
IC	8	425	31.93	31.93	31.93	31.93	31.93	31.93	31.94	31.94	31.94	31.94
IC	8	435	31.94	31.94	31.94	31.94	31.95	31.95	31.95	31.95	31.95	31.95
IC	8	445	31.95	31.96	31.96	31.96	31.96	31.96	31.96	31.96	31.96	31.97
IC	8	455	31.97	31.97	31.97	31.97	31.97	31.97	31.97	31.98	31.98	31.98
IC	8	465	31.98	31.98	31.98	31.98	31.99	31.99	31.99	31.99	31.99	31.99
IC	8	475	31.99	31.99	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.01

IC	8	485	32.01	32.01	32.01	32.01	32.01	32.01	32.01	32.02	32.02	32.02
IC	8	495	32.02	32.02	32.02	32.02	32.02	32.03	32.03	32.03	32.03	32.03
IC	8	505	32.03	32.03	32.04	32.04	32.04	32.04	32.04	32.04	32.04	32.04
IC	8	515	32.05	32.05	32.05	32.05	32.05	32.05	32.05	32.06	32.06	32.06
IC	8	525	32.06	32.06	32.06	32.06	32.06	32.07	32.07	32.07	32.07	32.07
IC	8	535	32.07	32.07	32.07	32.08	32.08	32.08	32.08	32.08	32.08	32.08
IC	8	545	32.09	32.09	32.09	32.09	32.09	32.09	32.09	32.09	32.10	32.10
IC	8	555	32.10	32.10								
BB	5	225	32.10	32.09	32.09	32.08	32.08	32.08	32.07	32.07	32.06	32.06
BB	5	235	32.06	32.05	32.05	32.04	32.04	32.04	32.03	32.03	32.02	32.02
BB	5	245	32.02	32.01	32.01	32.00	32.00					
BB	6	250	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
BB	6	260	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
BB	6	270	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
BB	6	280	32.00	32.00	32.00	32.00	32.00					
BB	7	285	32.00	32.00	32.00	32.00	32.00	32.00	31.99	31.99	31.99	31.99
BB	7	295	31.99	31.99	31.99	31.99	31.99	31.99	31.99	31.99	31.98	31.98
BB	7	305	31.98	31.98	31.98	31.98	31.98	31.98	31.98	31.98	31.98	31.98
BB	7	315	31.97	31.97	31.97	31.97	31.97	31.97	31.97	31.97	31.97	31.97
BB	7	325	31.97	31.97	31.96	31.96	31.96	31.96	31.96	31.96	31.96	31.96
BB	7	335	31.96	31.96	31.96	31.95	31.95	31.95	31.95	31.95	31.95	31.95
BB	7	345	31.95	31.95	31.95	31.95	31.95	31.94	31.94	31.94	31.94	31.94
BB	7	355	31.94	31.94	31.94	31.94	31.94	31.94	31.94	31.93	31.93	31.93
BB	7	365	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.92
BB	7	375	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.92	31.92
BB	7	385	31.92	31.91	31.91	31.91	31.91	31.91	31.91	31.91	31.91	31.91
BB	7	395	31.91	31.91	31.91	31.90	31.90	31.90	31.90	31.90	31.90	31.90

INTERMEDIATE REPORT

Salinity ppt — LA-QUAL Baseline for Gulf ICWW and Bayou Black

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	2	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	89	0.00	0.00								
IC	3	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	4	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IC	4	179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	209	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	219	0.00	0.00	0.00	0.00	0.00	0.00				
IC	8	405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	425	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	455	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	465	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	485	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	495	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	505	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	515	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	545	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	555	0.00	0.00								
BB	5	225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	245	0.00	0.00	0.00	0.00	0.00					
BB	6	250	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	280	0.00	0.00	0.00	0.00	0.00					
BB	7	285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

INTERMEDIATE REPORT

Reaeration Rate per day — LA-QUAL Baseline for Gulf ICWW and Bayou Black

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.092	0.092	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
IC	1	11	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
IC	1	21	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
IC	1	31	0.093	0.093	0.094	0.094	0.094	0.094	0.094	0.094		
IC	2	39	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
IC	2	49	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065

IC	2	59	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
IC	2	69	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
IC	2	79	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
IC	2	89	0.065	0.065								
IC	3	91	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	3	101	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	3	111	0.068	0.068	0.068	0.068	0.068	0.069	0.069	0.069	0.069	0.069
IC	3	121	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069		
IC	4	129	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	139	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	149	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	159	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	169	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	179	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
IC	4	189	0.072	0.072	0.072	0.072	0.072	0.072	0.071	0.071	0.071	0.071
IC	4	199	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
IC	4	209	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
IC	4	219	0.071	0.071	0.071	0.071	0.071	0.071				
IC	8	405	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	415	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	425	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	435	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	445	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	455	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	465	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	475	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	485	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	495	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	505	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	515	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	525	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	535	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	545	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
IC	8	555	0.068	0.068								
BB	5	225	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191
BB	5	235	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191
BB	5	245	0.191	0.191	0.191	0.191	0.191					
BB	6	250	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	6	260	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	6	270	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	6	280	0.751	0.751	0.751	0.751	0.751					
BB	7	285	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	295	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	305	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	315	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	325	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
BB	7	335	0.751	0.751	0.751	0.751	0.751	0.751	0.750	0.750	0.750	0.750
BB	7	345	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
BB	7	355	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
BB	7	365	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750

BB	7	375	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
BB	7	385	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
BB	7	395	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750

INTERMEDIATE REPORT

BOD Decay Rate LA-QUAL Baseline for Gulf ICWW and Bayou Black

per day

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	1	11	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26
IC	1	21	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	1	31	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26		
IC	2	39	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	49	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	59	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	69	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	79	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	89	0.26	0.26								
IC	3	91	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	3	101	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	3	111	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	3	121	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26		
IC	4	129	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	139	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	149	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	159	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	169	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	179	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	189	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	199	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	209	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	4	219	0.26	0.26	0.26	0.26	0.26	0.26				
IC	8	405	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	415	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	425	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	435	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	445	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	455	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	465	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	475	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	485	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	495	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	505	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	515	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	525	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	535	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	545	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	555	0.26	0.26								
BB	5	225	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	5	235	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	5	245	0.26	0.26	0.26	0.26	0.26					

BB	6	250	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	6	260	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	6	270	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	6	280	0.26	0.26	0.26	0.26	0.26					
BB	7	285	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	295	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	305	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	315	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	325	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	335	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	345	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	355	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	365	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	375	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	385	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
BB	7	395	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29

INTERMEDIATE REPORT

BOD Settling Rate per day — LA-QUAL Baseline for Gulf ICWW and Bayou Black

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	2	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	89	0.00	0.00								
IC	3	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	3	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IC	4	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	209	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	4	219	0.00	0.00	0.00	0.00	0.00	0.00				
IC	8	405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	425	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	455	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IC	8	465	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	485	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	495	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	505	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	515	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	535	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	545	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	8	555	0.00	0.00								
BB	5	225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	5	245	0.00	0.00	0.00	0.00	0.00					
BB	6	250	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	6	280	0.00	0.00	0.00	0.00	0.00					
BB	7	285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	7	395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

INTERMEDIATE REPORT

Ammonia Decay Rate per day — LA-QUAL Baseline for Gulf ICWW and Bayou Black

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	1	11	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28
IC	1	21	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	1	31	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27		
IC	2	39	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25
IC	2	49	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.28
IC	2	59	0.28	0.28	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	2	69	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	2	79	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	2	89	0.27	0.27								
IC	3	91	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	3	101	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	3	111	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27
IC	3	121	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27		
IC	4	129	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	4	139	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	4	149	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27

IC	4	159	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
IC	4	169	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28
IC	4	179	0.28	0.28	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	4	189	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	4	199	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	4	209	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
IC	4	219	0.28	0.27	0.26	0.26	0.26	0.26				
IC	8	405	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	415	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	425	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	435	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	445	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
IC	8	455	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
IC	8	465	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26
IC	8	475	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	485	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	495	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25
IC	8	505	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	515	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
IC	8	525	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	535	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	8	545	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27
IC	8	555	0.27	0.27								
BB	5	225	0.40	0.39	0.38	0.38	0.38	0.38	0.38	0.39	0.39	0.40
BB	5	235	0.41	0.41	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.44
BB	5	245	0.45	0.45	0.45	0.45	0.45					
BB	6	250	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
BB	6	260	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
BB	6	270	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
BB	6	280	0.45	0.45	0.45	0.45	0.45					
BB	7	285	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
BB	7	295	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BB	7	305	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BB	7	315	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BB	7	325	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.43
BB	7	335	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
BB	7	345	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
BB	7	355	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
BB	7	365	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43
BB	7	375	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
BB	7	385	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
BB	7	395	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41

INTERMEDIATE REPORT

Sediment Oxygen Demand LA-QUAL Baseline for Gulf ICWW and Bayou Black

$g/m^2/d$

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
IC	1	1	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.05	2.05	2.05
IC	1	11	2.05	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.08	2.08
IC	1	21	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.11
IC	1	31	2.11	2.11	2.12	2.12	2.12	2.12	2.13	2.13		

IC	2	39	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
IC	2	49	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
IC	2	59	2.13	2.13	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
IC	2	69	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
IC	2	79	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
IC	2	89	2.14	2.14								
IC	3	91	4.29	4.29	4.29	4.29	4.29	4.29	4.30	4.30	4.30	4.30
IC	3	101	4.30	4.30	4.30	4.31	4.31	4.31	4.31	4.31	4.31	4.31
IC	3	111	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.33	4.33	4.33
IC	3	121	4.33	4.33	4.33	4.33	4.34	4.34	4.34	4.34		
IC	4	129	4.77	4.77	4.77	4.77	4.77	4.77	4.76	4.76	4.76	4.76
IC	4	139	4.76	4.76	4.76	4.76	4.75	4.75	4.75	4.75	4.75	4.75
IC	4	149	4.75	4.75	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74
IC	4	159	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.72	4.72
IC	4	169	4.72	4.72	4.72	4.72	4.72	4.72	4.71	4.71	4.71	4.71
IC	4	179	4.71	4.71	4.71	4.71	4.70	4.70	4.70	4.70	4.70	4.70
IC	4	189	4.70	4.70	4.70	4.69	4.69	4.69	4.69	4.69	4.69	4.69
IC	4	199	4.69	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.67
IC	4	209	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.66	4.66	4.66
IC	4	219	4.66	4.66	4.66	4.66	4.66	4.65				
IC	8	405	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
IC	8	415	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
IC	8	425	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
IC	8	435	1.48	1.48	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	445	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	455	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	465	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	475	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	485	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	495	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	505	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	8	515	1.49	1.49	1.49	1.50	1.50	1.50	1.50	1.50	1.50	1.50
IC	8	525	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
IC	8	535	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
IC	8	545	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
IC	8	555	1.50	1.50								
BB	5	225	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
BB	5	235	1.50	1.50	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
BB	5	245	1.49	1.49	1.49	1.49	1.49					
BB	6	250	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
BB	6	260	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
BB	6	270	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
BB	6	280	1.49	1.49	1.49	1.49	1.49					
BB	7	285	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
BB	7	295	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.76
BB	7	305	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	315	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	325	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	335	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	345	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76

BB	7	355	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
BB	7	365	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.75	2.75
BB	7	375	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
BB	7	385	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
BB	7	395	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75

EXPANDED CAPSULE SUMMARY FOR ICWW

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	g/m²/d
	HDWTR		0.651	30.6	0.0	6.7	3.7	0.0	1.3	0.1	20.0												
1	IC 1	93.75	0.677	31.2	0.0	6.5	2.5	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.092	0.25	0.00	0.00	0.00	0.27	2.03
2	IC 1	93.50	0.704	31.2	0.0	6.5	2.5	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.092	0.25	0.00	0.00	0.00	0.27	2.03
3	IC 1	93.25	0.730	31.3	0.0	6.5	2.4	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.03
4	IC 1	93.00	0.756	31.3	0.0	6.5	2.4	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.04
5	IC 1	92.75	0.783	31.3	0.0	6.5	2.4	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.04
6	IC 1	92.50	0.809	31.3	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.04
7	IC 1	92.25	0.835	31.3	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.000	0.000	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.04
8	IC 1	92.00	0.862	31.4	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.05
9	IC 1	91.75	0.888	31.4	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.05
10	IC 1	91.50	0.914	31.4	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.05
11	IC 1	91.25	0.940	31.4	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.05
12	IC 1	91.00	0.967	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.06
13	IC 1	90.75	0.993	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.06
14	IC 1	90.50	1.019	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.27	2.06
15	IC 1	90.25	1.046	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.28	2.07
16	IC 1	90.00	1.072	31.5	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.25	0.00	0.00	0.00	0.28	2.07
17	IC 1	89.75	1.098	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.26	0.00	0.00	0.00	0.28	2.07
18	IC 1	89.50	1.125	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.26	0.00	0.00	0.00	0.28	2.07
19	IC 1	89.25	1.151	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.26	0.00	0.00	0.00	0.28	2.08
20	IC 1	89.00	1.177	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.4	0.093	0.26	0.00	0.00	0.00	0.28	2.08
21	IC 1	88.75	1.204	31.6	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.08
22	IC 1	88.50	1.230	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.08
23	IC 1	88.25	1.256	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.09
24	IC 1	88.00	1.283	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.09
25	IC 1	87.75	1.309	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.09
26	IC 1	87.50	1.335	31.7	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.10
27	IC 1	87.25	1.362	31.8	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.10
28	IC 1	87.00	1.388	31.8	0.0	6.7	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.10
29	IC 1	86.75	1.414	31.8	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.10
30	IC 1	86.50	1.440	31.8	0.0	6.6	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.11
31	IC 1	86.25	1.467	31.9	0.0	6.5	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.11
32	IC 1	86.00	1.493	31.9	0.0	6.4	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.093	0.26	0.00	0.00	0.00	0.28	2.11
33	IC 1	85.75	1.519	31.9	0.0	6.3	2.3	0.0	1.3	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.28	2.12
34	IC 1	85.50	1.546	31.9	0.0	6.1	2.4	0.0	1.4	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.28	2.12
35	IC 1	85.25	1.572	31.9	0.0	5.9	2.5	0.0	1.4	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.28	2.12
36	IC 1	85.00	1.598	32.0	0.0	5.6	2.7	0.0	1.4	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.27	2.12
37	IC 1	84.75	1.625	32.0	0.0	5.2	3.0	0.0	1.5	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.27	2.13
38	IC 1	84.50	1.651	32.0	0.0	4.8	3.6	0.0	1.5	0.1	20.0	0.9	9.30	182.5	0.001	0.001	7.3	0.094	0.26	0.00	0.00	0.00	0.27	2.13
	WASTELOAD # 039 (Bayou Boeuff) ENTERS HERE																						
39	IC 2	84.25	50.280	32.0	0.0	4.4	4.7	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13

40	IC	2	84.00	50.297	32.0	0.0	4.3	4.6	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
41	IC	2	83.75	50.313	32.0	0.0	4.3	4.5	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
42	IC	2	83.50	50.330	32.0	0.0	4.2	4.4	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
43	IC	2	83.25	50.346	32.0	0.0	4.2	4.4	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
44	IC	2	83.00	50.363	32.0	0.0	4.1	4.3	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
45	IC	2	82.75	50.379	32.0	0.0	4.1	4.2	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
46	IC	2	82.50	50.395	32.0	0.0	4.0	4.1	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
47	IC	2	82.25	50.412	32.0	0.0	4.0	4.1	0.0	1.6	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
48	IC	2	82.00	50.428	32.0	0.0	4.0	4.0	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
49	IC	2	81.75	50.445	32.0	0.0	4.0	3.9	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
50	IC	2	81.50	50.461	32.0	0.0	3.9	3.9	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
51	IC	2	81.25	50.478	32.0	0.0	3.9	3.8	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
52	IC	2	81.00	50.494	32.0	0.0	3.9	3.7	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
53	IC	2	80.75	50.511	32.0	0.0	3.9	3.7	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
54	IC	2	80.50	50.527	32.0	0.0	3.8	3.6	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
55	IC	2	80.25	50.543	32.0	0.0	3.8	3.6	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
56	IC	2	80.00	50.560	32.0	0.0	3.9	3.5	0.0	1.5	0.1	20.0	0.5	13.35	209.1	0.018	0.018	7.3	0.065	0.26	0.00	0.00	0.00	0.25	2.13
DIVERSION # 057 (Bayou Chene) LEAVES HERE																									
57	IC	2	79.75	-11.032	32.0	0.0	4.3	3.3	0.0	1.4	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.26	2.13
58	IC	2	79.50	-11.016	32.0	0.0	6.0	2.6	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.13
59	IC	2	79.25	-10.999	32.0	0.0	6.5	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.13
60	IC	2	79.00	-10.983	32.0	0.0	6.7	2.4	0.0	0.9	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.13
61	IC	2	78.75	-10.966	32.0	0.0	6.7	2.4	0.0	0.9	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.29	2.14
62	IC	2	78.50	-10.950	32.0	0.0	6.7	2.4	0.0	0.9	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
63	IC	2	78.25	-10.933	32.0	0.0	6.7	2.4	0.0	0.9	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
64	IC	2	78.00	-10.917	32.0	0.0	6.6	2.4	0.0	0.9	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
65	IC	2	77.75	-10.901	32.1	0.0	6.6	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
66	IC	2	77.50	-10.884	32.1	0.0	6.5	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
67	IC	2	77.25	-10.868	32.1	0.0	6.5	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
68	IC	2	77.00	-10.851	32.1	0.0	6.4	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
69	IC	2	76.75	-10.835	32.1	0.0	6.4	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
70	IC	2	76.50	-10.818	32.1	0.0	6.3	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
71	IC	2	76.25	-10.802	32.1	0.0	6.2	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14

EXPANDED CAPSULE SUMMARY FOR ICWW

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
72	IC	2	76.00	-10.785	32.1	0.0	6.2	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
73	IC	2	75.75	-10.769	32.1	0.0	6.1	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
74	IC	2	75.50	-10.753	32.1	0.0	6.0	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
75	IC	2	75.25	-10.736	32.1	0.0	6.0	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
76	IC	2	75.00	-10.720	32.1	0.0	5.9	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
77	IC	2	74.75	-10.703	32.1	0.0	5.8	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
78	IC	2	74.50	-10.687	32.1	0.0	5.8	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
79	IC	2	74.25	-10.670	32.1	0.0	5.7	2.4	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
80	IC	2	74.00	-10.654	32.1	0.0	5.6	2.5	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
81	IC	2	73.75	-10.637	32.1	0.0	5.5	2.5	0.0	1.0	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.28	2.14
82	IC	2	73.50	-10.621	32.1	0.0	5.5	2.5	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
83	IC	2	73.25	-10.605	32.1	0.0	5.4	2.5	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
84	IC	2	73.00	-10.588	32.1	0.0	5.3	2.6	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14

85	IC	2	72.75	-10.572	32.1	0.0	5.3	2.6	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
86	IC	2	72.50	-10.555	32.1	0.0	5.2	2.6	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
87	IC	2	72.25	-10.539	32.1	0.0	5.1	2.7	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
88	IC	2	72.00	-10.522	32.1	0.0	5.1	2.7	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.004	0.004	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
WASTELOAD # 089 (Unnamed Canal) ENTERS HERE																										
89	IC	2	71.75	-8.854	32.1	0.0	5.0	2.8	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.003	0.003	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
90	IC	2	71.50	-8.838	32.1	0.0	4.8	2.5	0.0	1.1	0.1	20.0	0.5	13.35	209.1	-0.003	0.003	7.3	0.065	0.26	0.00	0.00	0.00	0.27	2.14
91	IC	3	71.25	-8.821	32.1	0.0	4.6	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.27	4.29
92	IC	3	71.00	-8.805	32.1	0.0	4.6	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.29
93	IC	3	70.75	-8.789	32.1	0.0	4.6	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.29
94	IC	3	70.50	-8.772	32.1	0.0	4.5	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.29
95	IC	3	70.25	-8.756	32.1	0.0	4.5	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.29
96	IC	3	70.00	-8.739	32.1	0.0	4.5	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.29
97	IC	3	69.75	-8.723	32.1	0.0	4.5	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.30
98	IC	3	69.50	-8.706	32.1	0.0	4.5	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.30
99	IC	3	69.25	-8.690	32.1	0.0	4.4	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.30
100	IC	3	69.00	-8.673	32.2	0.0	4.4	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.30
101	IC	3	68.75	-8.657	32.2	0.0	4.4	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.30
102	IC	3	68.50	-8.641	32.2	0.0	4.3	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.30
103	IC	3	68.25	-8.624	32.2	0.0	4.3	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.30
104	IC	3	68.00	-8.608	32.2	0.0	4.3	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.31
105	IC	3	67.75	-8.591	32.2	0.0	4.2	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.31
106	IC	3	67.50	-8.575	32.2	0.0	4.2	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.31
107	IC	3	67.25	-8.558	32.2	0.0	4.2	2.4	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.31
108	IC	3	67.00	-8.542	32.2	0.0	4.2	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.31
109	IC	3	66.75	-8.525	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.31
110	IC	3	66.50	-8.509	32.2	0.0	4.1	2.5	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.31
111	IC	3	66.25	-8.493	32.2	0.0	4.1	2.6	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.32
112	IC	3	66.00	-8.476	32.2	0.0	4.1	2.6	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.32
113	IC	3	65.75	-8.460	32.2	0.0	4.1	2.7	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.32
114	IC	3	65.50	-8.443	32.2	0.0	4.2	2.9	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.32
115	IC	3	65.25	-8.427	32.2	0.0	4.3	3.1	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	4.32
116	IC	3	65.00	-8.410	32.2	0.0	4.5	3.3	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.002	0.002	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.32
WASTELOAD # 117 (Copasaw Canal) ENTERS HERE																										
117	IC	3	64.75	-2.986	32.2	0.0	4.9	3.6	0.0	1.2	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.32
118	IC	3	64.50	-2.970	32.2	0.0	4.6	2.9	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
119	IC	3	64.25	-2.953	32.3	0.0	4.6	2.6	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
120	IC	3	64.00	-2.937	32.3	0.0	4.7	2.5	0.0	1.1	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
121	IC	3	63.75	-2.920	32.3	0.0	4.7	2.4	0.0	1.0	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
122	IC	3	63.50	-2.904	32.3	0.0	4.8	2.4	0.0	1.0	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
123	IC	3	63.25	-2.887	32.3	0.0	4.8	2.4	0.0	1.0	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
124	IC	3	63.00	-2.871	32.3	0.0	4.8	2.4	0.0	1.0	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.33
125	IC	3	62.75	-2.855	32.3	0.0	4.9	2.4	0.0	1.0	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.34
126	IC	3	62.50	-2.838	32.3	0.0	4.9	2.4	0.0	1.0	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.34
127	IC	3	62.25	-2.822	32.3	0.0	4.9	2.4	0.0	1.0	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.34
128	IC	3	62.00	-2.805	32.3	0.0	4.8	2.4	0.0	1.0	0.1	20.0	0.3	12.77	395.3	-0.001	0.001	7.3	0.069	0.26	0.00	0.00	0.00	0.27	4.34
129	IC	4	61.75	-2.789	32.3	0.0	4.8	2.3	0.0	1.0	0.1	20.0	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.77
130	IC	4	61.50	-2.772	32.3	0.0	4.8	2.3	0.0	1.0	0.1	20.1	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.77
131	IC	4	61.25	-2.756	32.3	0.0	4.8	2.3	0.0	1.0	0.1	20.1	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.77
132	IC	4	61.00	-2.739	32.3	0.0	4.9	2.3	0.0	1.0	0.1	20.2	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.77

133	IC	4	60.75	-2.723	32.3	0.0	4.9	2.3	0.0	1.0	0.1	20.2	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.77
134	IC	4	60.50	-2.707	32.3	0.0	4.9	2.3	0.0	1.0	0.1	20.2	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.77
135	IC	4	60.25	-2.690	32.3	0.0	4.9	2.3	0.0	1.0	0.1	20.3	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.76
136	IC	4	60.00	-2.674	32.3	0.0	5.0	2.3	0.0	1.0	0.1	20.3	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.76
137	IC	4	59.75	-2.657	32.3	0.0	5.0	2.3	0.0	1.0	0.1	20.4	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.76
138	IC	4	59.50	-2.641	32.3	0.0	5.0	2.3	0.0	1.0	0.1	20.4	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.76
139	IC	4	59.25	-2.624	32.3	0.0	5.0	2.3	0.0	1.0	0.1	20.5	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.76
140	IC	4	59.00	-2.608	32.2	0.0	5.0	2.3	0.0	1.0	0.1	20.5	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.76
141	IC	4	58.75	-2.592	32.2	0.0	5.1	2.3	0.0	1.0	0.1	20.5	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.76
142	IC	4	58.50	-2.575	32.2	0.0	5.1	2.3	0.0	1.0	0.1	20.6	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.76
143	IC	4	58.25	-2.559	32.2	0.0	5.1	2.3	0.0	1.0	0.1	20.6	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.75

EXPANDED CAPSULE SUMMARY FOR ICWW

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	VELO	VELO	SAT	RATE	DECA	SETT	DECA	SETT	DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
144	IC	4	58.00	-2.542	32.2	0.0	5.1	2.3	0.0	1.0	0.1	20.7	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.75
145	IC	4	57.75	-2.526	32.2	0.0	5.1	2.3	0.0	1.0	0.1	20.7	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.75
146	IC	4	57.50	-2.509	32.2	0.0	5.2	2.3	0.0	1.0	0.1	20.8	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.75
147	IC	4	57.25	-2.493	32.2	0.0	5.2	2.3	0.0	1.0	0.1	20.8	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.75
148	IC	4	57.00	-2.476	32.2	0.0	5.2	2.3	0.0	1.0	0.1	20.8	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.75
149	IC	4	56.75	-2.460	32.2	0.0	5.2	2.3	0.0	1.1	0.1	20.9	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.75
150	IC	4	56.50	-2.444	32.2	0.0	5.2	2.3	0.0	1.1	0.1	20.9	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.75
151	IC	4	56.25	-2.427	32.2	0.0	5.3	2.3	0.0	1.1	0.1	21.0	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.74
152	IC	4	56.00	-2.411	32.2	0.0	5.3	2.3	0.0	1.1	0.1	21.0	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.74
153	IC	4	55.75	-2.394	32.2	0.0	5.3	2.3	0.0	1.1	0.1	21.0	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.74
154	IC	4	55.50	-2.378	32.2	0.0	5.3	2.3	0.0	1.1	0.1	21.1	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.74
155	IC	4	55.25	-2.361	32.2	0.0	5.3	2.3	0.0	1.1	0.1	21.1	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.74
156	IC	4	55.00	-2.345	32.2	0.0	5.3	2.3	0.0	1.1	0.1	21.2	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.74
157	IC	4	54.75	-2.329	32.2	0.0	5.4	2.3	0.0	1.1	0.1	21.2	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.74
158	IC	4	54.50	-2.312	32.2	0.0	5.4	2.3	0.0	1.1	0.1	21.2	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.74
159	IC	4	54.25	-2.296	32.2	0.0	5.4	2.3	0.0	1.1	0.1	21.3	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.73
160	IC	4	54.00	-2.279	32.2	0.0	5.4	2.3	0.0	1.1	0.1	21.3	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.73
161	IC	4	53.75	-2.263	32.2	0.0	5.4	2.3	0.0	1.1	0.1	21.4	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.73
162	IC	4	53.50	-2.246	32.2	0.0	5.4	2.3	0.0	1.1	0.1	21.4	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.73
163	IC	4	53.25	-2.230	32.2	0.0	5.4	2.3	0.0	1.1	0.1	21.5	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.73
164	IC	4	53.00	-2.213	32.1	0.0	5.4	2.3	0.0	1.1	0.1	21.5	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.73
165	IC	4	52.75	-2.197	32.1	0.0	5.4	2.3	0.0	1.1	0.1	21.5	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.73
166	IC	4	52.50	-2.181	32.1	0.0	5.4	2.3	0.0	1.1	0.1	21.6	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.73
167	IC	4	52.25	-2.164	32.1	0.0	5.4	2.3	0.0	1.1	0.1	21.6	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.72
168	IC	4	52.00	-2.148	32.1	0.0	5.4	2.3	0.0	1.1	0.1	21.7	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.72
169	IC	4	51.75	-2.131	32.1	0.0	5.4	2.3	0.0	1.1	0.1	21.7	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.72
170	IC	4	51.50	-2.115	32.1	0.0	5.4	2.3	0.0	1.1	0.1	21.8	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.72
171	IC	4	51.25	-2.098	32.1	0.0	5.4	2.3	0.0	1.1	0.1	21.8	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.72
172	IC	4	51.00	-2.082	32.1	0.0	5.4	2.3	0.0	1.2	0.1	21.8	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.72
173	IC	4	50.75	-2.066	32.1	0.0	5.4	2.4	0.0	1.2	0.1	21.9	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.72
174	IC	4	50.50	-2.049	32.1	0.0	5.4	2.4	0.0	1.2	0.1	21.9	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.72
175	IC	4	50.25	-2.033	32.1	0.0	5.4	2.4	0.0	1.2	0.1	22.0	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.71
176	IC	4	50.00	-2.016	32.1	0.0	5.4	2.5	0.0	1.2	0.1	22.0	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.71
177	IC	4	49.75	-2.000	32.1	0.0	5.5	2.6	0.0	1.2	0.1	22.0	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.27	4.71
178	IC	4	49.50	-1.983	32.1	0.0	5.6	2.8	0.0	1.2	0.1	22.1	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.71

179	IC	4	49.25	-1.967	32.1	0.0	5.9	3.0	0.0	1.3	0.1	22.1	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.71
180	IC	4	49.00	-1.950	32.1	0.0	6.3	3.5	0.0	1.3	0.1	22.2	0.3	12.19	190.0	-0.001	0.001	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.71
WASTELOAD # 181 (Minors Canal South) ENTERS HERE																										
DIVERSION # 181 (Minors Canal North) LEAVES HERE																										
181	IC	4	48.75	0.289	32.1	0.0	7.0	4.1	0.0	1.3	0.1	22.2	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.29	4.71
182	IC	4	48.50	0.305	32.1	0.0	6.1	3.2	0.0	1.2	0.1	22.2	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.71
183	IC	4	48.25	0.321	32.1	0.0	5.8	2.8	0.0	1.2	0.1	22.3	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
184	IC	4	48.00	0.338	32.1	0.0	5.7	2.5	0.0	1.2	0.1	22.3	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
185	IC	4	47.75	0.354	32.1	0.0	5.7	2.4	0.0	1.1	0.1	22.4	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
186	IC	4	47.50	0.371	32.1	0.0	5.8	2.4	0.0	1.1	0.1	22.4	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
187	IC	4	47.25	0.387	32.1	0.0	5.8	2.3	0.0	1.1	0.1	22.5	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
188	IC	4	47.00	0.404	32.0	0.0	5.9	2.3	0.0	1.1	0.1	22.5	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
189	IC	4	46.75	0.420	32.0	0.0	6.0	2.3	0.0	1.1	0.1	22.5	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
190	IC	4	46.50	0.436	32.0	0.0	6.0	2.3	0.0	1.1	0.1	22.6	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
191	IC	4	46.25	0.453	32.0	0.0	6.1	2.3	0.0	1.1	0.1	22.6	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.70
192	IC	4	46.00	0.469	32.0	0.0	6.1	2.3	0.0	1.1	0.1	22.7	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.69
193	IC	4	45.75	0.486	32.0	0.0	6.2	2.3	0.0	1.1	0.1	22.7	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.69
194	IC	4	45.50	0.502	32.0	0.0	6.2	2.3	0.0	1.1	0.1	22.8	0.3	12.19	190.0	0.000	0.000	7.3	0.072	0.26	0.00	0.00	0.00	0.28	4.69
195	IC	4	45.25	0.519	32.0	0.0	6.2	2.3	0.0	1.0	0.1	22.8	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.69
196	IC	4	45.00	0.535	32.0	0.0	6.3	2.3	0.0	1.0	0.1	22.8	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.69
197	IC	4	44.75	0.552	32.0	0.0	6.3	2.3	0.0	1.0	0.1	22.9	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.69
198	IC	4	44.50	0.568	32.0	0.0	6.3	2.3	0.0	1.0	0.1	22.9	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.69
199	IC	4	44.25	0.584	32.0	0.0	6.4	2.3	0.0	1.0	0.1	23.0	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.69
200	IC	4	44.00	0.601	32.0	0.0	6.4	2.3	0.0	1.0	0.1	23.0	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.68
201	IC	4	43.75	0.617	32.0	0.0	6.4	2.3	0.0	1.0	0.1	23.0	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.68
202	IC	4	43.50	0.634	32.0	0.0	6.4	2.3	0.0	1.0	0.1	23.1	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.68
203	IC	4	43.25	0.650	32.0	0.0	6.5	2.3	0.0	1.0	0.1	23.1	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.68
204	IC	4	43.00	0.667	32.0	0.0	6.5	2.3	0.0	1.0	0.1	23.2	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.68
205	IC	4	42.75	0.683	32.0	0.0	6.5	2.3	0.0	1.0	0.1	23.2	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.68
206	IC	4	42.50	0.699	32.0	0.0	6.5	2.3	0.0	1.0	0.1	23.2	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.68
207	IC	4	42.25	0.716	32.0	0.0	6.6	2.3	0.0	1.0	0.1	23.3	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.68
208	IC	4	42.00	0.732	32.0	0.0	6.6	2.3	0.0	1.0	0.1	23.3	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.67
209	IC	4	41.75	0.749	32.0	0.0	6.6	2.3	0.0	1.0	0.1	23.4	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.67
210	IC	4	41.50	0.765	32.0	0.0	6.6	2.3	0.0	1.0	0.1	23.4	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.67
211	IC	4	41.25	0.782	32.0	0.0	6.6	2.3	0.0	1.0	0.1	23.5	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.67
212	IC	4	41.00	0.798	31.9	0.0	6.7	2.3	0.0	1.0	0.1	23.5	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.67
213	IC	4	40.75	0.815	31.9	0.0	6.7	2.3	0.0	1.0	0.1	23.5	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.67
214	IC	4	40.50	0.831	31.9	0.0	6.7	2.3	0.0	1.0	0.1	23.6	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.67
215	IC	4	40.25	0.847	31.9	0.0	6.6	2.3	0.0	1.0	0.1	23.6	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.67

EXPANDED CAPSULE SUMMARY FOR ICWW

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
216	IC	4	40.00	0.864	31.9	0.0	6.6	2.3	0.0	1.0	0.1	23.7	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.66
217	IC	4	39.75	0.880	31.9	0.0	6.5	2.4	0.0	1.0	0.1	23.7	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.66
218	IC	4	39.50	0.897	31.9	0.0	6.3	2.4	0.0	1.1	0.1	23.8	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.66
219	IC	4	39.25	0.913	31.9	0.0	5.9	2.5	0.0	1.1	0.1	23.8	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.28	4.66
220	IC	4	39.00	0.930	31.9	0.0	5.4	2.7	0.0	1.1	0.1	23.8	0.3	12.19	190.0	0.000	0.000	7.3	0.071	0.26	0.00	0.00	0.00	0.27	4.66
DIVERSION # 221 (Houma Nav. Can.) LEAVES HERE																									
221	IC	4	38.75	-13.994	31.9	0.0	4.7	3.2	0.0	1.1	0.1	23.9	0.3	12.19	190.0	-0.006	0.006	7.3	0.071	0.26	0.00	0.00	0.00	0.26	4.66

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222 IC  4   38.50 -13.977 31.9  0.0  4.6   3.3   0.0  1.1  0.1 23.9    0.3  12.19 190.0 -0.006  0.006   7.3  0.071 0.26 0.00 0.00 0.00 0.26  4.66
      WASTELOAD # 223 (PS ICWW#1) ENTERS HERE
223 IC  4   38.25 -13.961 31.9  0.0  4.6   3.5   0.0  1.1  0.1 24.0    0.3  12.19 190.0 -0.006  0.006   7.3  0.071 0.26 0.00 0.00 0.00 0.26  4.66
224 IC  4   38.00 -13.944 31.9  0.0  4.6   3.6   0.0  1.1  0.1 24.0    0.3  12.19 190.0 -0.006  0.006   7.3  0.071 0.26 0.00 0.00 0.00 0.26  4.65
      TRIBUTARY # 225 (Bayou Black) ENTERS HERE
405 IC  8   37.75  -8.201 31.9  0.0  4.7   3.8   0.0  1.1  0.1 24.0    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
406 IC  8   37.50  -8.180 31.9  0.0  4.6   3.9   0.0  1.1  0.1 24.0    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
407 IC  8   37.25  -8.158 31.9  0.0  4.5   3.9   0.0  1.1  0.1 23.9    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
408 IC  8   37.00  -8.137 31.9  0.0  4.4   3.9   0.0  1.1  0.1 23.9    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
409 IC  8   36.75  -8.115 31.9  0.0  4.4   4.0   0.0  1.1  0.1 23.9    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
410 IC  8   36.50  -8.094 31.9  0.0  4.4   4.0   0.0  1.1  0.1 23.9    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
411 IC  8   36.25  -8.073 31.9  0.0  4.4   4.0   0.0  1.1  0.1 23.9    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
412 IC  8   36.00  -8.051 31.9  0.0  4.4   4.0   0.0  1.1  0.1 23.8    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
      WASTELOAD # 413 (Bayou Terrebonne W.) ENTERS HERE
      DIVERSION # 413 (Bayou Terrebonne E.) LEAVES HERE
413 IC  8   35.75  -8.151 31.9  0.0  4.4   4.1   0.0  1.1  0.1 23.8    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
414 IC  8   35.50  -8.129 31.9  0.0  4.4   3.9   0.0  1.1  0.1 23.8    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
415 IC  8   35.25  -8.108 31.9  0.0  4.5   3.9   0.0  1.1  0.1 23.8    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
416 IC  8   35.00  -8.086 31.9  0.0  4.5   3.9   0.0  1.1  0.1 23.8    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
      WASTELOAD # 417 (LA0111376) ENTERS HERE
417 IC  8   34.75  -8.065 31.9  0.0  4.5   3.9   0.0  1.1  0.1 23.7    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
418 IC  8   34.50  -8.043 31.9  0.0  4.4   3.9   0.0  1.1  0.1 23.7    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
419 IC  8   34.25  -8.022 31.9  0.0  4.4   3.9   0.0  1.1  0.1 23.7    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
420 IC  8   34.00  -8.001 31.9  0.0  4.4   3.9   0.0  1.1  0.1 23.7    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
421 IC  8   33.75  -7.979 31.9  0.0  4.4   3.9   0.0  1.1  0.1 23.7    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
422 IC  8   33.50  -7.958 31.9  0.0  4.4   3.9   0.0  1.1  0.1 23.6    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
423 IC  8   33.25  -7.936 31.9  0.0  4.3   3.9   0.0  1.1  0.1 23.6    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
424 IC  8   33.00  -7.915 31.9  0.0  4.3   3.9   0.0  1.1  0.1 23.6    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
425 IC  8   32.75  -7.893 31.9  0.0  4.3   3.9   0.0  1.1  0.1 23.6    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
426 IC  8   32.50  -7.872 31.9  0.0  4.3   3.9   0.0  1.1  0.1 23.6    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
427 IC  8   32.25  -7.851 31.9  0.0  4.2   3.9   0.0  1.1  0.1 23.5    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
428 IC  8   32.00  -7.829 31.9  0.0  4.2   3.9   0.0  1.1  0.1 23.5    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.48
429 IC  8   31.75  -7.808 31.9  0.0  4.2   3.9   0.0  1.1  0.1 23.5    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.48
430 IC  8   31.50  -7.786 31.9  0.0  4.1   3.9   0.0  1.1  0.1 23.5    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.48
431 IC  8   31.25  -7.765 31.9  0.0  4.1   3.9   0.0  1.1  0.1 23.5    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.48
432 IC  8   31.00  -7.744 31.9  0.0  4.1   3.9   0.0  1.1  0.1 23.4    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.48
433 IC  8   30.75  -7.722 31.9  0.0  4.0   3.9   0.0  1.1  0.1 23.4    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.48
434 IC  8   30.50  -7.701 31.9  0.0  4.0   3.9   0.0  1.1  0.1 23.4    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.48
435 IC  8   30.25  -7.679 31.9  0.0  4.0   3.9   0.0  1.1  0.1 23.4    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.48
436 IC  8   30.00  -7.658 31.9  0.0  3.9   3.9   0.0  1.1  0.1 23.4    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.48
437 IC  8   29.75  -7.636 31.9  0.0  3.9   3.9   0.0  1.1  0.1 23.3    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
438 IC  8   29.50  -7.615 31.9  0.0  3.9   3.9   0.0  1.1  0.1 23.3    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
439 IC  8   29.25  -7.594 31.9  0.0  3.8   3.9   0.0  1.1  0.1 23.3    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
440 IC  8   29.00  -7.572 31.9  0.0  3.8   3.9   0.0  1.1  0.1 23.3    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
441 IC  8   28.75  -7.551 31.9  0.0  3.8   3.9   0.0  1.1  0.1 23.3    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
442 IC  8   28.50  -7.529 31.9  0.0  3.7   3.9   0.0  1.1  0.1 23.2    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
443 IC  8   28.25  -7.508 32.0  0.0  3.7   3.9   0.0  1.1  0.1 23.2    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
444 IC  8   28.00  -7.486 32.0  0.0  3.6   3.9   0.0  1.1  0.1 23.2    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
445 IC  8   27.75  -7.465 32.0  0.0  3.6   3.9   0.0  1.1  0.1 23.2    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
446 IC  8   27.50  -7.444 32.0  0.0  3.5   3.9   0.0  1.1  0.1 23.2    0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
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447 IC  8   27.25  -7.422 32.0  0.0  3.5   3.9   0.0  1.1  0.1 23.2   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
448 IC  8   27.00  -7.401 32.0  0.0  3.4   3.9   0.0  1.1  0.1 23.1   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
449 IC  8   26.75  -7.379 32.0  0.0  3.4   3.9   0.0  1.1  0.1 23.1   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
450 IC  8   26.50  -7.358 32.0  0.0  3.3   3.9   0.0  1.1  0.1 23.1   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
451 IC  8   26.25  -7.337 32.0  0.0  3.3   3.9   0.0  1.1  0.1 23.1   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
452 IC  8   26.00  -7.315 32.0  0.0  3.2   3.9   0.0  1.1  0.1 23.1   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
453 IC  8   25.75  -7.294 32.0  0.0  3.2   4.0   0.0  1.1  0.1 23.0   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
454 IC  8   25.50  -7.272 32.0  0.0  3.1   4.0   0.0  1.1  0.1 23.0   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
455 IC  8   25.25  -7.251 32.0  0.0  3.1   4.0   0.0  1.1  0.1 23.0   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
456 IC  8   25.00  -7.229 32.0  0.0  3.1   4.0   0.0  1.1  0.1 23.0   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
457 IC  8   24.75  -7.208 32.0  0.0  3.0   4.1   0.0  1.1  0.1 23.0   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
458 IC  8   24.50  -7.187 32.0  0.0  3.0   4.1   0.0  1.1  0.1 22.9   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
459 IC  8   24.25  -7.165 32.0  0.0  2.9   4.2   0.0  1.1  0.1 22.9   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
460 IC  8   24.00  -7.144 32.0  0.0  2.9   4.2   0.0  1.2  0.1 22.9   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
      WASTELOAD # 461 (LA0104868) ENTERS HERE
461 IC  8   23.75  -7.122 32.0  0.0  2.9   4.3   0.0  1.2  0.1 22.9   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
462 IC  8   23.50  -7.101 32.0  0.0  2.9   4.4   0.0  1.2  0.1 22.9   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
EXPANDED CAPSULE SUMMARY FOR ICWW
                                                                ADVEC   MEAN   DO   REAER BOD1 BOD1 BOD2 BOD2  NH3
IOR REACH    DIST   FLOW  TEMP SALN   DO EBOD1 EBOD2ORG-N  NH3 CHLA   DISP  DEPTH WIDTH   VELO   VELO   SAT   RATE DECA SETT DECA SETT DECA   SOD
          km    m³/s deg C  ppt mg/L  mg/L  mg/L mg/L mg/L µg/L   m²/s      m     m    m/s    m/s  mg/L   1/da 1/da 1/da 1/da 1/da 1/da  g/m²/d
463 IC  8   23.25  -7.079 32.0  0.0  2.9   4.5   0.0  1.2  0.1 22.8   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
464 IC  8   23.00  -7.058 32.0  0.0  2.9   4.6   0.0  1.2  0.1 22.8   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
465 IC  8   22.75  -7.037 32.0  0.0  3.0   4.7   0.0  1.2  0.1 22.8   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
466 IC  8   22.50  -7.015 32.0  0.0  3.1   4.9   0.0  1.2  0.1 22.8   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.23  1.49
      WASTELOAD # 467 (LA0089648) ENTERS HERE
467 IC  8   22.25  -6.989 32.0  0.0  3.2   5.1   0.0  1.2  0.1 22.8   0.9  12.80 155.8 -0.004  0.004   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
468 IC  8   22.00  -6.968 32.0  0.0  3.3   5.3   0.0  1.2  0.1 22.7   0.9  12.80 155.8 -0.003  0.003   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
      WASTELOAD # 469 (Company Canal North) ENTERS HERE
      DIVERSION # 469 (Company Canal South) LEAVES HERE
469 IC  8   21.75  -5.068 32.0  0.0  3.5   5.5   0.0  1.2  0.1 22.7   0.9  12.80 155.8 -0.003  0.003   7.3  0.068 0.26 0.00 0.00 0.00 0.24  1.49
470 IC  8   21.50  -5.047 32.0  0.0  3.7   4.7   0.0  1.1  0.1 22.7   0.9  12.80 155.8 -0.003  0.003   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
471 IC  8   21.25  -5.026 32.0  0.0  3.9   4.2   0.0  1.1  0.1 22.7   0.9  12.80 155.8 -0.003  0.003   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
472 IC  8   21.00  -5.004 32.0  0.0  4.0   4.0   0.0  1.1  0.1 22.7   0.9  12.80 155.8 -0.003  0.003   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
473 IC  8   20.75  -4.983 32.0  0.0  4.1   3.9   0.0  1.1  0.1 22.6   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
474 IC  8   20.50  -4.961 32.0  0.0  4.1   3.9   0.0  1.0  0.1 22.6   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
475 IC  8   20.25  -4.940 32.0  0.0  4.2   3.9   0.0  1.0  0.1 22.6   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
476 IC  8   20.00  -4.919 32.0  0.0  4.2   3.9   0.0  1.0  0.1 22.6   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
477 IC  8   19.75  -4.897 32.0  0.0  4.2   3.8   0.0  1.0  0.1 22.6   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
478 IC  8   19.50  -4.876 32.0  0.0  4.2   3.8   0.0  1.0  0.1 22.5   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
479 IC  8   19.25  -4.854 32.0  0.0  4.2   3.8   0.0  1.0  0.1 22.5   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
480 IC  8   19.00  -4.833 32.0  0.0  4.2   3.8   0.0  1.0  0.1 22.5   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
481 IC  8   18.75  -4.811 32.0  0.0  4.2   3.8   0.0  1.0  0.1 22.5   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
482 IC  8   18.50  -4.790 32.0  0.0  4.1   3.8   0.0  1.0  0.1 22.5   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
483 IC  8   18.25  -4.769 32.0  0.0  4.1   3.9   0.0  1.0  0.1 22.4   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
484 IC  8   18.00  -4.747 32.0  0.0  4.1   3.9   0.0  1.0  0.1 22.4   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
485 IC  8   17.75  -4.726 32.0  0.0  4.1   3.9   0.0  1.0  0.1 22.4   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
486 IC  8   17.50  -4.704 32.0  0.0  4.1   3.9   0.0  1.0  0.1 22.4   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
487 IC  8   17.25  -4.683 32.0  0.0  4.1   3.9   0.0  1.0  0.1 22.4   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.26  1.49
488 IC  8   17.00  -4.661 32.0  0.0  4.1   3.9   0.0  1.0  0.1 22.3   0.9  12.80 155.8 -0.002  0.002   7.3  0.068 0.26 0.00 0.00 0.00 0.25  1.49
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489	IC	8	16.75	-4.640	32.0	0.0	4.1	3.9	0.0	1.0	0.1	22.3	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
490	IC	8	16.50	-4.619	32.0	0.0	4.1	3.9	0.0	1.0	0.1	22.3	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
491	IC	8	16.25	-4.597	32.0	0.0	4.1	3.9	0.0	1.0	0.1	22.3	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
492	IC	8	16.00	-4.576	32.0	0.0	4.1	3.9	0.0	1.0	0.1	22.3	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
WASTELOAD # 493 (St Louis Canal) ENTERS HERE																									
493	IC	8	15.75	-4.403	32.0	0.0	4.1	3.9	0.0	1.0	0.1	22.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
494	IC	8	15.50	-4.382	32.0	0.0	4.1	3.9	0.0	1.0	0.1	22.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
495	IC	8	15.25	-4.361	32.0	0.0	4.1	3.9	0.0	1.0	0.1	22.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
496	IC	8	15.00	-4.339	32.0	0.0	4.1	3.8	0.0	1.0	0.1	22.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
497	IC	8	14.75	-4.318	32.0	0.0	4.1	3.8	0.0	1.0	0.1	22.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
498	IC	8	14.50	-4.296	32.0	0.0	4.1	3.8	0.0	1.0	0.1	22.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
499	IC	8	14.25	-4.275	32.0	0.0	4.1	3.8	0.0	1.0	0.1	22.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
500	IC	8	14.00	-4.253	32.0	0.0	4.1	3.8	0.0	1.0	0.1	22.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
501	IC	8	13.75	-4.232	32.0	0.0	4.1	3.8	0.0	1.0	0.1	22.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.49
502	IC	8	13.50	-4.211	32.0	0.0	4.1	3.8	0.0	1.0	0.1	22.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
503	IC	8	13.25	-4.189	32.0	0.0	4.0	3.8	0.0	1.0	0.1	22.0	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
504	IC	8	13.00	-4.168	32.0	0.0	4.0	3.8	0.0	1.0	0.1	22.0	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
505	IC	8	12.75	-4.146	32.0	0.0	4.0	3.8	0.0	1.0	0.1	22.0	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
506	IC	8	12.50	-4.125	32.0	0.0	4.0	3.8	0.0	1.0	0.1	22.0	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
507	IC	8	12.25	-4.103	32.0	0.0	4.0	3.8	0.0	1.0	0.1	22.0	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
508	IC	8	12.00	-4.082	32.0	0.0	4.0	3.8	0.0	0.9	0.1	21.9	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
509	IC	8	11.75	-4.061	32.0	0.0	4.0	3.8	0.0	0.9	0.1	21.9	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
510	IC	8	11.50	-4.039	32.0	0.0	4.0	3.8	0.0	0.9	0.1	21.9	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
511	IC	8	11.25	-4.018	32.0	0.0	4.0	3.8	0.0	0.9	0.1	21.9	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
512	IC	8	11.00	-3.996	32.0	0.0	4.0	3.8	0.0	0.9	0.1	21.9	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
513	IC	8	10.75	-3.975	32.0	0.0	3.9	3.8	0.0	0.9	0.1	21.8	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
514	IC	8	10.50	-3.954	32.0	0.0	3.9	3.9	0.0	0.9	0.1	21.8	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
515	IC	8	10.25	-3.932	32.0	0.0	3.9	3.9	0.0	0.9	0.1	21.8	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
516	IC	8	10.00	-3.911	32.0	0.0	3.9	3.9	0.0	0.9	0.1	21.8	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
517	IC	8	9.75	-3.889	32.0	0.0	3.9	3.9	0.0	0.9	0.1	21.8	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.49
518	IC	8	9.50	-3.868	32.0	0.0	3.9	3.9	0.0	0.9	0.1	21.8	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
519	IC	8	9.25	-3.846	32.1	0.0	3.9	3.9	0.0	0.9	0.1	21.7	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
520	IC	8	9.00	-3.825	32.1	0.0	3.9	3.9	0.0	0.9	0.1	21.7	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
521	IC	8	8.75	-3.804	32.1	0.0	3.9	3.9	0.0	0.9	0.1	21.7	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
522	IC	8	8.50	-3.782	32.1	0.0	3.9	4.0	0.0	0.8	0.1	21.7	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
523	IC	8	8.25	-3.761	32.1	0.0	3.9	4.0	0.0	0.8	0.1	21.7	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
524	IC	8	8.00	-3.739	32.1	0.0	3.9	4.1	0.0	0.8	0.1	21.6	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
WASTELOAD # 525 (Bayou Bleu North) ENTERS HERE																									
525	IC	8	7.75	-3.191	32.1	0.0	4.0	4.1	0.0	0.8	0.1	21.6	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.25	1.50
526	IC	8	7.50	-3.170	32.1	0.0	4.0	4.0	0.0	0.8	0.1	21.6	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
527	IC	8	7.25	-3.148	32.1	0.0	4.1	3.9	0.0	0.8	0.1	21.6	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
528	IC	8	7.00	-3.127	32.1	0.0	4.2	3.9	0.0	0.8	0.1	21.6	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
529	IC	8	6.75	-3.106	32.1	0.0	4.3	3.9	0.0	0.8	0.1	21.5	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
530	IC	8	6.50	-3.084	32.1	0.0	4.3	3.8	0.0	0.7	0.1	21.5	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
531	IC	8	6.25	-3.063	32.1	0.0	4.3	3.8	0.0	0.7	0.1	21.5	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50

EXPANDED CAPSULE SUMMARY FOR ICWW

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
532	IC	8	6.00	-3.041	32.1	0.0	4.4	3.8	0.0	0.7	0.1	21.5	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50

533	IC	8	5.75	-3.020	32.1	0.0	4.4	3.8	0.0	0.7	0.1	21.5	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
534	IC	8	5.50	-2.999	32.1	0.0	4.4	3.8	0.0	0.7	0.1	21.4	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
535	IC	8	5.25	-2.977	32.1	0.0	4.4	3.8	0.0	0.6	0.1	21.4	0.9	12.80	155.8	-0.001	0.001	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
536	IC	8	5.00	-2.956	32.1	0.0	4.4	3.8	0.0	0.6	0.1	21.4	0.9	12.80	155.8	-0.001	0.001	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
537	IC	8	4.75	-2.934	32.1	0.0	4.5	3.8	0.0	0.6	0.1	21.4	0.9	12.80	155.8	-0.001	0.001	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
538	IC	8	4.50	-2.913	32.1	0.0	4.5	3.8	0.0	0.6	0.1	21.4	0.9	12.80	155.8	-0.001	0.001	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
539	IC	8	4.25	-2.891	32.1	0.0	4.5	3.8	0.0	0.5	0.0	21.3	0.9	12.80	155.8	-0.001	0.001	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
540	IC	8	4.00	-2.870	32.1	0.0	4.5	3.8	0.0	0.5	0.0	21.3	0.9	12.80	155.8	-0.001	0.001	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
DIVERSION # 541 (Bayou Bleu South) LEAVES HERE																									
541	IC	8	3.75	-4.264	32.1	0.0	4.5	3.8	0.0	0.5	0.0	21.3	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
542	IC	8	3.50	-4.243	32.1	0.0	4.5	3.8	0.0	0.5	0.0	21.3	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
543	IC	8	3.25	-4.221	32.1	0.0	4.5	3.8	0.0	0.4	0.0	21.3	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
544	IC	8	3.00	-4.200	32.1	0.0	4.6	3.8	0.0	0.4	0.0	21.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
545	IC	8	2.75	-4.179	32.1	0.0	4.6	3.8	0.0	0.4	0.0	21.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
546	IC	8	2.50	-4.157	32.1	0.0	4.6	3.8	0.0	0.4	0.0	21.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
547	IC	8	2.25	-4.136	32.1	0.0	4.6	3.8	0.0	0.3	0.0	21.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
548	IC	8	2.00	-4.114	32.1	0.0	4.6	3.8	0.0	0.3	0.0	21.2	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
WASTELOAD # 549 (PS ICWW#2) ENTERS HERE																									
549	IC	8	1.75	-4.093	32.1	0.0	4.6	3.8	0.0	0.3	0.0	21.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
550	IC	8	1.50	-4.071	32.1	0.0	4.6	3.8	0.0	0.2	0.0	21.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
551	IC	8	1.25	-4.050	32.1	0.0	4.6	3.8	0.0	0.2	0.1	21.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.26	1.50
552	IC	8	1.00	-4.029	32.1	0.0	4.7	3.8	0.0	0.2	0.1	21.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.50
553	IC	8	0.75	-4.007	32.1	0.0	4.7	3.8	0.0	0.1	0.1	21.1	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.50
554	IC	8	0.50	-3.986	32.1	0.0	4.7	3.8	0.0	0.1	0.1	21.0	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.50
555	IC	8	0.25	-3.964	32.1	0.0	4.8	3.8	0.0	0.1	0.1	21.0	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.50
556	IC	8	0.00	-3.943	32.1	0.0	4.9	3.8	0.0	0.0	0.1	21.0	0.9	12.80	155.8	-0.002	0.002	7.3	0.068	0.26	0.00	0.00	0.00	0.27	1.50

EXPANDED CAPSULE SUMMARY FOR Bayou Black

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	VELO	VELO	SAT	RATE	DECA	SETT	DECA	SETT	DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
225	BB	5	44.75	4.587	32.1	0.0	4.2	8.4	0.0	1.4	0.3	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.40	1.50
226	BB	5	44.50	4.591	32.1	0.0	3.8	7.4	0.0	1.4	0.2	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.39	1.50
227	BB	5	44.25	4.595	32.1	0.0	3.5	6.5	0.0	1.4	0.2	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.38	1.50
228	BB	5	44.00	4.599	32.1	0.0	3.4	5.7	0.0	1.3	0.2	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.38	1.50
229	BB	5	43.75	4.603	32.1	0.0	3.4	5.0	0.0	1.3	0.2	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.38	1.50
230	BB	5	43.50	4.607	32.1	0.0	3.5	4.4	0.0	1.3	0.2	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.38	1.50
231	BB	5	43.25	4.611	32.1	0.0	3.6	3.9	0.0	1.3	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.38	1.50
232	BB	5	43.00	4.615	32.1	0.0	3.8	3.5	0.0	1.3	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.39	1.50
233	BB	5	42.75	4.619	32.1	0.0	4.1	3.1	0.0	1.2	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.39	1.50
234	BB	5	42.50	4.623	32.1	0.0	4.3	2.7	0.0	1.2	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.40	1.50
235	BB	5	42.25	4.627	32.1	0.0	4.6	2.4	0.0	1.2	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.41	1.50
236	BB	5	42.00	4.631	32.1	0.0	4.9	2.2	0.0	1.2	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.41	1.50
237	BB	5	41.75	4.635	32.0	0.0	5.2	1.9	0.0	1.2	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.42	1.49
238	BB	5	41.50	4.639	32.0	0.0	5.5	1.7	0.0	1.2	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.42	1.49
239	BB	5	41.25	4.643	32.0	0.0	5.8	1.6	0.0	1.1	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.43	1.49
240	BB	5	41.00	4.647	32.0	0.0	6.1	1.4	0.0	1.1	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.43	1.49
241	BB	5	40.75	4.651	32.0	0.0	6.3	1.3	0.0	1.1	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.43	1.49
242	BB	5	40.50	4.655	32.0	0.0	6.6	1.2	0.0	1.1	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.44	1.49
243	BB	5	40.25	4.659	32.0	0.0	6.9	1.1	0.0	1.1	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.44	1.49
244	BB	5	40.00	4.663	32.0	0.0	7.1	1.0	0.0	1.1	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.44	1.49

245	BB	5	39.75	4.667	32.0	0.0	7.4	0.9	0.0	1.1	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
246	BB	5	39.50	4.671	32.0	0.0	7.6	0.8	0.0	1.0	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
247	BB	5	39.25	4.675	32.0	0.0	7.8	0.8	0.0	1.0	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
248	BB	5	39.00	4.679	32.0	0.0	8.0	0.7	0.0	1.0	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
249	BB	5	38.75	4.683	32.0	0.0	8.1	0.7	0.0	1.0	0.1	25.0	0.2	4.57	196.7	0.005	0.005	7.3	0.191	0.26	0.00	0.00	0.00	0.45	1.49
250	BB	6	38.50	4.686	32.0	0.0	8.1	0.7	0.0	1.0	0.1	25.7	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
251	BB	6	38.25	4.689	32.0	0.0	8.1	0.8	0.0	1.0	0.1	26.4	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
252	BB	6	38.00	4.692	32.0	0.0	8.1	0.8	0.0	1.0	0.1	27.1	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
253	BB	6	37.75	4.694	32.0	0.0	8.0	0.8	0.0	1.0	0.1	27.9	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
254	BB	6	37.50	4.697	32.0	0.0	8.0	0.9	0.0	1.0	0.1	28.6	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
255	BB	6	37.25	4.700	32.0	0.0	8.0	0.9	0.0	1.0	0.1	29.3	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
256	BB	6	37.00	4.703	32.0	0.0	8.0	1.0	0.0	1.0	0.1	30.0	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
257	BB	6	36.75	4.706	32.0	0.0	8.0	1.0	0.0	1.0	0.1	30.7	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
258	BB	6	36.50	4.709	32.0	0.0	7.9	1.0	0.0	1.0	0.1	31.4	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
259	BB	6	36.25	4.712	32.0	0.0	7.9	1.1	0.0	1.0	0.1	32.1	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
WASTELOAD # 260 (LAG531469) ENTERS HERE																									
260	BB	6	36.00	4.715	32.0	0.0	7.9	1.1	0.0	1.0	0.1	32.9	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
261	BB	6	35.75	4.717	32.0	0.0	7.9	1.1	0.0	1.0	0.1	33.6	0.0	1.16	31.2	0.130	0.130	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
262	BB	6	35.50	4.720	32.0	0.0	7.9	1.2	0.0	1.0	0.1	34.3	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
263	BB	6	35.25	4.723	32.0	0.0	7.9	1.2	0.0	1.0	0.1	35.0	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
264	BB	6	35.00	4.726	32.0	0.0	7.9	1.3	0.0	1.0	0.1	35.7	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
265	BB	6	34.75	4.729	32.0	0.0	7.8	1.3	0.0	1.0	0.1	36.4	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
266	BB	6	34.50	4.732	32.0	0.0	7.8	1.3	0.0	1.0	0.1	37.1	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
267	BB	6	34.25	4.735	32.0	0.0	7.8	1.4	0.0	1.0	0.1	37.9	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
WASTELOAD # 268 (LAG540726) ENTERS HERE																									
268	BB	6	34.00	4.738	32.0	0.0	7.8	1.4	0.0	1.0	0.1	38.6	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
269	BB	6	33.75	4.740	32.0	0.0	7.8	1.4	0.0	1.0	0.1	39.3	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
270	BB	6	33.50	4.743	32.0	0.0	7.8	1.5	0.0	1.0	0.1	40.0	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
271	BB	6	33.25	4.746	32.0	0.0	7.8	1.5	0.0	1.0	0.1	40.7	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
272	BB	6	33.00	4.749	32.0	0.0	7.8	1.5	0.0	1.0	0.1	41.4	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
273	BB	6	32.75	4.752	32.0	0.0	7.8	1.6	0.0	1.0	0.1	42.1	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
274	BB	6	32.50	4.755	32.0	0.0	7.8	1.6	0.0	1.0	0.1	42.9	0.0	1.16	31.2	0.131	0.131	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
275	BB	6	32.25	4.758	32.0	0.0	7.7	1.6	0.0	1.0	0.1	43.6	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
276	BB	6	32.00	4.760	32.0	0.0	7.7	1.7	0.0	1.0	0.1	44.3	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
277	BB	6	31.75	4.763	32.0	0.0	7.7	1.7	0.0	1.0	0.1	45.0	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
WASTELOAD # 278 (PS Black Bayou#1) ENTERS HERE																									
278	BB	6	31.50	4.768	32.0	0.0	7.7	1.8	0.0	1.0	0.1	45.7	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
279	BB	6	31.25	4.771	32.0	0.0	7.7	1.8	0.0	1.0	0.1	46.4	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
280	BB	6	31.00	4.774	32.0	0.0	7.7	1.8	0.0	1.0	0.1	47.1	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
281	BB	6	30.75	4.777	32.0	0.0	7.7	1.9	0.0	1.0	0.1	47.9	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
282	BB	6	30.50	4.779	32.0	0.0	7.7	1.9	0.0	1.0	0.1	48.6	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
283	BB	6	30.25	4.782	32.0	0.0	7.7	1.9	0.0	1.0	0.1	49.3	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
284	BB	6	30.00	4.785	32.0	0.0	7.7	2.0	0.0	1.0	0.1	50.0	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.26	0.00	0.00	0.00	0.45	1.49
285	BB	7	29.75	4.787	32.0	0.0	7.7	2.0	0.0	1.0	0.1	49.8	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
286	BB	7	29.50	4.788	32.0	0.0	7.7	2.0	0.0	1.0	0.1	49.6	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
287	BB	7	29.25	4.789	32.0	0.0	7.6	2.0	0.0	1.0	0.1	49.3	0.0	1.16	31.2	0.132	0.132	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
288	BB	7	29.00	4.791	32.0	0.0	7.6	2.0	0.0	1.0	0.1	49.1	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
289	BB	7	28.75	4.792	32.0	0.0	7.6	2.0	0.0	1.0	0.1	48.9	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
290	BB	7	28.50	4.794	32.0	0.0	7.6	2.0	0.0	1.0	0.1	48.7	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
291	BB	7	28.25	4.795	32.0	0.0	7.5	2.0	0.0	1.0	0.1	48.5	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77

WASTELOAD # 292 (PS Black Bayou#2) ENTERS HERE

292	BB	7	28.00	4.799	32.0	0.0	7.5	2.0	0.0	1.0	0.1	48.3	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
293	BB	7	27.75	4.800	32.0	0.0	7.5	2.1	0.0	1.0	0.1	48.0	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
294	BB	7	27.50	4.802	32.0	0.0	7.5	2.1	0.0	1.0	0.1	47.8	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77

EXPANDED CAPSULE SUMMARY FOR Bayou Black

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
295	BB	7	27.25	4.803	32.0	0.0	7.4	2.1	0.0	1.0	0.1	47.6	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
296	BB	7	27.00	4.805	32.0	0.0	7.4	2.1	0.0	1.0	0.1	47.4	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.45	2.77
297	BB	7	26.75	4.806	32.0	0.0	7.4	2.1	0.0	1.0	0.1	47.2	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.77
298	BB	7	26.50	4.808	32.0	0.0	7.4	2.1	0.0	1.0	0.1	47.0	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.77
299	BB	7	26.25	4.809	32.0	0.0	7.3	2.1	0.0	1.0	0.1	46.8	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.77
300	BB	7	26.00	4.810	32.0	0.0	7.3	2.1	0.0	1.0	0.1	46.5	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.77
301	BB	7	25.75	4.812	32.0	0.0	7.3	2.1	0.0	1.0	0.1	46.3	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.77
302	BB	7	25.50	4.813	32.0	0.0	7.3	2.1	0.0	1.0	0.1	46.1	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.77
303	BB	7	25.25	4.815	32.0	0.0	7.3	2.1	0.0	1.0	0.1	45.9	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.77
304	BB	7	25.00	4.816	32.0	0.0	7.2	2.1	0.0	1.0	0.1	45.7	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
305	BB	7	24.75	4.818	32.0	0.0	7.2	2.2	0.0	1.0	0.1	45.5	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
306	BB	7	24.50	4.819	32.0	0.0	7.2	2.2	0.0	1.0	0.1	45.2	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
307	BB	7	24.25	4.820	32.0	0.0	7.2	2.2	0.0	1.0	0.1	45.0	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
308	BB	7	24.00	4.822	32.0	0.0	7.1	2.2	0.0	1.0	0.1	44.8	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
309	BB	7	23.75	4.823	32.0	0.0	7.1	2.2	0.0	1.0	0.1	44.6	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
310	BB	7	23.50	4.825	32.0	0.0	7.1	2.2	0.0	1.0	0.1	44.4	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
311	BB	7	23.25	4.826	32.0	0.0	7.1	2.2	0.0	1.0	0.1	44.2	0.0	1.16	31.2	0.133	0.133	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76

WASTELOAD # 312 (LAG541223) ENTERS HERE

312	BB	7	23.00	4.829	32.0	0.0	7.0	2.2	0.0	1.0	0.1	43.9	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
313	BB	7	22.75	4.830	32.0	0.0	7.0	2.2	0.0	1.0	0.1	43.7	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
314	BB	7	22.50	4.831	32.0	0.0	7.0	2.2	0.0	1.0	0.1	43.5	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
315	BB	7	22.25	4.833	32.0	0.0	7.0	2.2	0.0	1.0	0.1	43.3	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
316	BB	7	22.00	4.834	32.0	0.0	7.0	2.2	0.0	1.0	0.1	43.1	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
317	BB	7	21.75	4.836	32.0	0.0	6.9	2.3	0.0	1.0	0.1	42.8	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
318	BB	7	21.50	4.837	32.0	0.0	6.9	2.3	0.0	1.0	0.1	42.6	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
319	BB	7	21.25	4.839	32.0	0.0	6.9	2.3	0.0	1.0	0.1	42.4	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
320	BB	7	21.00	4.840	32.0	0.0	6.9	2.3	0.0	1.0	0.1	42.2	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
321	BB	7	20.75	4.841	32.0	0.0	6.9	2.3	0.0	1.0	0.1	42.0	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
322	BB	7	20.50	4.843	32.0	0.0	6.8	2.3	0.0	1.0	0.1	41.8	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
323	BB	7	20.25	4.844	32.0	0.0	6.8	2.3	0.0	1.0	0.1	41.5	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
324	BB	7	20.00	4.846	32.0	0.0	6.8	2.3	0.0	1.0	0.1	41.3	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
325	BB	7	19.75	4.847	32.0	0.0	6.8	2.3	0.0	1.0	0.1	41.1	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
326	BB	7	19.50	4.849	32.0	0.0	6.8	2.3	0.0	1.0	0.1	40.9	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
327	BB	7	19.25	4.850	32.0	0.0	6.7	2.3	0.0	1.0	0.1	40.7	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
328	BB	7	19.00	4.851	32.0	0.0	6.7	2.3	0.0	1.0	0.1	40.5	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
329	BB	7	18.75	4.853	32.0	0.0	6.7	2.3	0.0	1.0	0.1	40.2	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
330	BB	7	18.50	4.854	32.0	0.0	6.7	2.3	0.0	1.0	0.1	40.0	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76

WASTELOAD # 331 (PS Black Bayou#3) ENTERS HERE

331	BB	7	18.25	4.856	32.0	0.0	6.6	2.4	0.0	1.0	0.1	39.8	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
332	BB	7	18.00	4.857	32.0	0.0	6.6	2.4	0.0	1.0	0.1	39.6	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.44	2.76
333	BB	7	17.75	4.859	32.0	0.0	6.6	2.4	0.0	1.0	0.1	39.4	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.43	2.76
334	BB	7	17.50	4.860	32.0	0.0	6.6	2.4	0.0	1.0	0.1	39.2	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.43	2.76

335	BB	7	17.25	4.862	32.0	0.0	6.6	2.4	0.0	1.0	0.1	39.0	0.0	1.16	31.2	0.134	0.134	7.3	0.751	0.29	0.00	0.00	0.00	0.43	2.76
336	BB	7	17.00	4.863	32.0	0.0	6.6	2.4	0.0	1.0	0.1	38.7	0.0	1.16	31.2	0.135	0.135	7.3	0.751	0.29	0.00	0.00	0.00	0.43	2.76
337	BB	7	16.75	4.865	32.0	0.0	6.5	2.4	0.0	1.0	0.1	38.5	0.0	1.16	31.2	0.135	0.135	7.3	0.751	0.29	0.00	0.00	0.00	0.43	2.76
338	BB	7	16.50	4.866	32.0	0.0	6.5	2.4	0.0	1.0	0.1	38.3	0.0	1.16	31.2	0.135	0.135	7.3	0.751	0.29	0.00	0.00	0.00	0.43	2.76
WASTELOAD # 339 (LAG541317) ENTERS HERE																									
339	BB	7	16.25	4.868	32.0	0.0	6.5	2.4	0.0	1.0	0.1	38.1	0.0	1.16	31.2	0.135	0.135	7.3	0.751	0.29	0.00	0.00	0.00	0.43	2.76
340	BB	7	16.00	4.869	32.0	0.0	6.5	2.4	0.0	1.0	0.1	37.9	0.0	1.16	31.2	0.135	0.135	7.3	0.751	0.29	0.00	0.00	0.00	0.43	2.76
341	BB	7	15.75	4.871	32.0	0.0	6.5	2.4	0.0	1.0	0.1	37.7	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
342	BB	7	15.50	4.872	32.0	0.0	6.4	2.4	0.0	1.0	0.1	37.4	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
343	BB	7	15.25	4.874	32.0	0.0	6.4	2.4	0.0	1.0	0.1	37.2	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
344	BB	7	15.00	4.875	32.0	0.0	6.4	2.4	0.0	1.0	0.1	37.0	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
345	BB	7	14.75	4.877	31.9	0.0	6.4	2.4	0.0	1.0	0.1	36.8	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
346	BB	7	14.50	4.878	31.9	0.0	6.4	2.4	0.0	1.0	0.1	36.6	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
347	BB	7	14.25	4.879	31.9	0.0	6.3	2.5	0.0	1.0	0.1	36.3	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
348	BB	7	14.00	4.881	31.9	0.0	6.3	2.5	0.0	1.0	0.1	36.1	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
349	BB	7	13.75	4.882	31.9	0.0	6.3	2.5	0.0	1.0	0.1	35.9	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
350	BB	7	13.50	4.884	31.9	0.0	6.3	2.5	0.0	1.0	0.1	35.7	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
351	BB	7	13.25	4.885	31.9	0.0	6.3	2.5	0.0	1.0	0.1	35.5	0.0	1.16	31.2	0.135	0.135	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
WASTELOAD # 352 (LA0111236) ENTERS HERE																									
352	BB	7	13.00	4.904	31.9	0.0	6.2	2.7	0.0	1.0	0.1	35.3	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
353	BB	7	12.75	4.906	31.9	0.0	6.2	2.7	0.0	1.0	0.1	35.0	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
354	BB	7	12.50	4.907	31.9	0.0	6.2	2.7	0.0	1.0	0.1	34.8	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
355	BB	7	12.25	4.909	31.9	0.0	6.2	2.7	0.0	1.0	0.1	34.6	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
356	BB	7	12.00	4.910	31.9	0.0	6.1	2.7	0.0	1.0	0.1	34.4	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
357	BB	7	11.75	4.911	31.9	0.0	6.1	2.7	0.0	1.0	0.1	34.2	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
358	BB	7	11.50	4.913	31.9	0.0	6.1	2.7	0.0	1.0	0.1	34.0	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
359	BB	7	11.25	4.914	31.9	0.0	6.1	2.7	0.0	1.0	0.1	33.8	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
360	BB	7	11.00	4.916	31.9	0.0	6.1	2.7	0.0	1.0	0.1	33.5	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
361	BB	7	10.75	4.917	31.9	0.0	6.0	2.7	0.0	1.0	0.1	33.3	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
362	BB	7	10.50	4.919	31.9	0.0	6.0	2.7	0.0	1.0	0.1	33.1	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
363	BB	7	10.25	4.920	31.9	0.0	6.0	2.7	0.0	1.0	0.1	32.9	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
364	BB	7	10.00	4.922	31.9	0.0	6.0	2.7	0.0	1.0	0.1	32.7	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76

EXPANDED CAPSULE SUMMARY FOR Bayou Black

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
365	BB	7	9.75	4.923	31.9	0.0	6.0	2.7	0.0	1.0	0.1	32.5	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.76
366	BB	7	9.50	4.924	31.9	0.0	5.9	2.7	0.0	1.0	0.1	32.2	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.76
367	BB	7	9.25	4.926	31.9	0.0	5.9	2.7	0.0	1.0	0.1	32.0	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.76
368	BB	7	9.00	4.927	31.9	0.0	5.9	2.7	0.0	1.0	0.1	31.8	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.76
WASTELOAD # 369 (PS Hanson Canal) ENTERS HERE																									
369	BB	7	8.75	4.930	31.9	0.0	5.9	2.8	0.0	1.0	0.1	31.6	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.76
370	BB	7	8.50	4.932	31.9	0.0	5.9	2.8	0.0	1.0	0.1	31.4	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.76
371	BB	7	8.25	4.933	31.9	0.0	5.8	2.8	0.0	1.0	0.1	31.1	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.76
WASTELOAD # 372 (LA0074331) ENTERS HERE																									
372	BB	7	8.00	4.935	31.9	0.0	5.8	2.8	0.0	1.0	0.1	30.9	0.0	1.16	31.2	0.136	0.136	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.76
WASTELOAD # 373 (Minors Canal) ENTERS HERE																									
373	BB	7	7.75	5.177	31.9	0.0	6.0	3.0	0.0	1.1	0.1	30.7	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.75
374	BB	7	7.50	5.178	31.9	0.0	6.0	3.0	0.0	1.1	0.1	30.5	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.43	2.75
375	BB	7	7.25	5.180	31.9	0.0	6.0	3.0	0.0	1.1	0.1	30.3	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75

376	BB	7	7.00	5.181	31.9	0.0	5.9	3.0	0.0	1.1	0.1	30.1	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
377	BB	7	6.75	5.182	31.9	0.0	5.9	3.0	0.0	1.1	0.1	29.9	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
378	BB	7	6.50	5.184	31.9	0.0	5.9	3.0	0.0	1.1	0.1	29.6	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
379	BB	7	6.25	5.185	31.9	0.0	5.9	3.0	0.0	1.1	0.1	29.4	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
380	BB	7	6.00	5.187	31.9	0.0	5.9	3.0	0.0	1.1	0.1	29.2	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
381	BB	7	5.75	5.188	31.9	0.0	5.8	3.0	0.0	1.1	0.1	29.0	0.0	1.16	31.2	0.143	0.143	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
382	BB	7	5.50	5.190	31.9	0.0	5.8	3.0	0.0	1.1	0.1	28.8	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
383	BB	7	5.25	5.191	31.9	0.0	5.8	3.0	0.0	1.1	0.1	28.5	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
384	BB	7	5.00	5.192	31.9	0.0	5.8	3.0	0.0	1.1	0.1	28.3	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
385	BB	7	4.75	5.194	31.9	0.0	5.7	3.0	0.0	1.1	0.1	28.1	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
386	BB	7	4.50	5.195	31.9	0.0	5.7	3.0	0.0	1.1	0.1	27.9	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
387	BB	7	4.25	5.197	31.9	0.0	5.7	3.0	0.0	1.1	0.1	27.7	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
388	BB	7	4.00	5.198	31.9	0.0	5.7	3.0	0.0	1.1	0.1	27.5	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
389	BB	7	3.75	5.200	31.9	0.0	5.7	3.0	0.0	1.1	0.1	27.2	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
390	BB	7	3.50	5.201	31.9	0.0	5.6	3.0	0.0	1.1	0.1	27.0	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
391	BB	7	3.25	5.202	31.9	0.0	5.6	3.0	0.0	1.1	0.1	26.8	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
392	BB	7	3.00	5.204	31.9	0.0	5.6	3.0	0.0	1.1	0.1	26.6	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
393	BB	7	2.75	5.205	31.9	0.0	5.6	3.0	0.0	1.1	0.1	26.4	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
394	BB	7	2.50	5.207	31.9	0.0	5.6	3.0	0.0	1.1	0.1	26.2	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
395	BB	7	2.25	5.208	31.9	0.0	5.5	3.0	0.0	1.1	0.1	25.9	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
396	BB	7	2.00	5.210	31.9	0.0	5.5	3.0	0.0	1.1	0.1	25.7	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
397	BB	7	1.75	5.211	31.9	0.0	5.5	3.0	0.0	1.1	0.1	25.5	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
398	BB	7	1.50	5.213	31.9	0.0	5.5	3.0	0.0	1.1	0.1	25.3	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
399	BB	7	1.25	5.214	31.9	0.0	5.5	3.0	0.0	1.1	0.1	25.1	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
400	BB	7	1.00	5.215	31.9	0.0	5.4	3.0	0.0	1.1	0.1	24.9	0.0	1.16	31.2	0.144	0.144	7.3	0.750	0.29	0.00	0.00	0.00	0.42	2.75
WASTELOAD # 401 (Little Bayou Black) ENTERS HERE																									
401	BB	7	0.75	5.717	31.9	0.0	5.2	3.6	0.0	1.1	0.1	24.6	0.0	1.16	31.2	0.158	0.158	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75
WASTELOAD # 402 (PS Lil Bayou Black) ENTERS HERE																									
402	BB	7	0.50	5.719	31.9	0.0	5.1	3.6	0.0	1.1	0.1	24.4	0.0	1.16	31.2	0.158	0.158	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75
403	BB	7	0.25	5.720	31.9	0.0	5.1	3.6	0.0	1.1	0.1	24.2	0.0	1.16	31.2	0.158	0.158	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75
404	BB	7	0.00	5.722	31.9	0.0	5.1	3.6	0.0	1.1	0.1	24.0	0.0	1.16	31.2	0.158	0.158	7.3	0.750	0.29	0.00	0.00	0.00	0.41	2.75

SPECIAL REPORT: ICWW

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 *
1	93.750	31.22	0.0	0.0	0.0	6.47	2.55	0.00	2.55	0.00	1.30	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
2	93.500	31.24	0.0	0.0	0.0	6.47	2.47	0.00	2.47	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
3	93.250	31.26	0.0	0.0	0.0	6.49	2.42	0.00	2.42	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
4	93.000	31.28	0.0	0.0	0.0	6.51	2.38	0.00	2.38	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
5	92.750	31.31	0.0	0.0	0.0	6.53	2.36	0.00	2.36	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
6	92.500	31.33	0.0	0.0	0.0	6.55	2.34	0.00	2.34	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
7	92.250	31.35	0.0	0.0	0.0	6.58	2.33	0.00	2.33	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
8	92.000	31.37	0.0	0.0	0.0	6.59	2.32	0.00	2.32	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
9	91.750	31.39	0.0	0.0	0.0	6.61	2.31	0.00	2.31	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
10	91.500	31.41	0.0	0.0	0.0	6.63	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
11	91.250	31.43	0.0	0.0	0.0	6.64	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
12	91.000	31.45	0.0	0.0	0.0	6.65	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
13	90.750	31.47	0.0	0.0	0.0	6.66	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
14	90.500	31.49	0.0	0.0	0.0	6.67	2.29	0.0	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
15	90.250	31.52	0.0	0.0	0.0	6.68	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00

16	90.000	31.54	0.0	0.0	0.0	6.69	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
17	89.750	31.56	0.0	0.0	0.0	6.69	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
18	89.500	31.58	0.0	0.0	0.0	6.70	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
19	89.250	31.60	0.0	0.0	0.0	6.70	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
20	89.000	31.62	0.0	0.0	0.0	6.70	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
21	88.750	31.64	0.0	0.0	0.0	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
22	88.500	31.66	0.0	0.0	0.0	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
23	88.250	31.68	0.0	0.0	0.0	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
24	88.000	31.71	0.0	0.0	0.0	6.70	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.42	0.00	20.0	0.0	0.	0.00
25	87.750	31.73	0.0	0.0	0.0	6.70	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
26	87.500	31.75	0.0	0.0	0.0	6.69	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
27	87.250	31.77	0.0	0.0	0.0	6.68	2.26	0.00	2.26	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
28	87.000	31.79	0.0	0.0	0.0	6.66	2.26	0.00	2.26	0.00	1.31	0.12	0.00	1.43	0.00	20.0	0.0	0.	0.00
29	86.750	31.81	0.0	0.0	0.0	6.62	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.44	0.00	20.0	0.0	0.	0.00
30	86.500	31.83	0.0	0.0	0.0	6.58	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.44	0.00	20.0	0.0	0.	0.00
31	86.250	31.85	0.0	0.0	0.0	6.52	2.28	0.00	2.28	0.00	1.33	0.12	0.00	1.45	0.00	20.0	0.0	0.	0.00
32	86.000	31.87	0.0	0.0	0.0	6.43	2.30	0.00	2.30	0.00	1.34	0.12	0.00	1.46	0.00	20.0	0.0	0.	0.00
33	85.750	31.89	0.0	0.0	0.0	6.30	2.33	0.00	2.33	0.00	1.35	0.12	0.00	1.47	0.00	20.0	0.0	0.	0.00
34	85.500	31.92	0.0	0.0	0.0	6.13	2.39	0.00	2.39	0.00	1.36	0.12	0.00	1.49	0.00	20.0	0.0	0.	0.00
35	85.250	31.94	0.0	0.0	0.0	5.91	2.50	0.00	2.50	0.00	1.39	0.12	0.00	1.51	0.00	20.0	0.0	0.	0.00
36	85.000	31.96	0.0	0.0	0.0	5.61	2.69	0.00	2.69	0.00	1.41	0.12	0.00	1.54	0.00	20.0	0.0	0.	0.00
37	84.750	31.98	0.0	0.0	0.0	5.24	3.03	0.00	3.03	0.00	1.45	0.12	0.00	1.58	0.00	20.0	0.0	0.	0.00
38	84.500	32.00	0.0	0.0	0.0	4.82	3.62	0.00	3.62	0.00	1.51	0.12	0.00	1.62	0.00	20.0	0.0	0.	0.00
39	84.250	32.00	0.0	0.0	0.0	4.39	4.72	0.00	4.72	0.00	1.58	0.10	0.00	1.69	0.00	20.0	0.0	0.	0.00
40	84.000	32.00	0.0	0.0	0.0	4.33	4.62	0.00	4.62	0.00	1.58	0.11	0.00	1.69	0.00	20.0	0.0	0.	0.00
41	83.750	32.01	0.0	0.0	0.0	4.27	4.53	0.00	4.53	0.00	1.58	0.11	0.00	1.68	0.00	20.0	0.0	0.	0.00
42	83.500	32.01	0.0	0.0	0.0	4.22	4.44	0.00	4.44	0.00	1.57	0.11	0.00	1.68	0.00	20.0	0.0	0.	0.00
43	83.250	32.01	0.0	0.0	0.0	4.17	4.36	0.00	4.36	0.00	1.57	0.11	0.00	1.68	0.00	20.0	0.0	0.	0.00
44	83.000	32.01	0.0	0.0	0.0	4.13	4.28	0.00	4.28	0.00	1.56	0.11	0.00	1.68	0.00	20.0	0.0	0.	0.00
45	82.750	32.01	0.0	0.0	0.0	4.09	4.20	0.00	4.20	0.00	1.56	0.12	0.00	1.68	0.00	20.0	0.0	0.	0.00
46	82.500	32.02	0.0	0.0	0.0	4.05	4.13	0.00	4.13	0.00	1.56	0.12	0.00	1.67	0.00	20.0	0.0	0.	0.00
47	82.250	32.02	0.0	0.0	0.0	4.01	4.06	0.00	4.06	0.00	1.55	0.12	0.00	1.67	0.00	20.0	0.0	0.	0.00
48	82.000	32.02	0.0	0.0	0.0	3.98	3.99	0.00	3.99	0.00	1.55	0.12	0.00	1.67	0.00	20.0	0.0	0.	0.00
49	81.750	32.02	0.0	0.0	0.0	3.95	3.92	0.00	3.92	0.00	1.55	0.12	0.00	1.67	0.00	20.0	0.0	0.	0.00
50	81.500	32.02	0.0	0.0	0.0	3.92	3.86	0.00	3.86	0.00	1.54	0.12	0.00	1.66	0.00	20.0	0.0	0.	0.00
51	81.250	32.03	0.0	0.0	0.0	3.90	3.80	0.00	3.80	0.00	1.54	0.12	0.00	1.66	0.00	20.0	0.0	0.	0.00
52	81.000	32.03	0.0	0.0	0.0	3.88	3.74	0.00	3.74	0.00	1.54	0.12	0.00	1.66	0.00	20.0	0.0	0.	0.00
53	80.750	32.03	0.0	0.0	0.0	3.86	3.69	0.00	3.69	0.00	1.53	0.13	0.00	1.66	0.00	20.0	0.0	0.	0.00
54	80.500	32.03	0.0	0.0	0.0	3.84	3.63	0.00	3.63	0.00	1.53	0.13	0.00	1.65	0.00	20.0	0.0	0.	0.00
55	80.250	32.03	0.0	0.0	0.0	3.83	3.58	0.00	3.58	0.00	1.52	0.13	0.00	1.65	0.00	20.0	0.0	0.	0.00
56	80.000	32.03	0.0	0.0	0.0	3.87	3.52	0.00	3.52	0.00	1.51	0.13	0.00	1.64	0.00	20.0	0.0	0.	0.00
57	79.750	32.04	0.0	0.0	0.0	4.35	3.28	0.00	3.28	0.00	1.41	0.12	0.00	1.53	0.00	20.0	0.0	0.	0.00
58	79.500	32.04	0.0	0.0	0.0	5.99	2.62	0.00	2.62	0.00	1.08	0.10	0.00	1.18	0.00	20.0	0.0	0.	0.00
59	79.250	32.04	0.0	0.0	0.0	6.53	2.44	0.00	2.44	0.00	0.98	0.09	0.00	1.07	0.00	20.0	0.0	0.	0.00
60	79.000	32.04	0.0	0.0	0.0	6.68	2.38	0.00	2.38	0.00	0.95	0.09	0.00	1.03	0.00	20.0	0.0	0.	0.00
61	78.750	32.04	0.0	0.0	0.0	6.71	2.37	0.00	2.37	0.00	0.94	0.09	0.00	1.03	0.00	20.0	0.0	0.	0.00
62	78.500	32.05	0.0	0.0	0.0	6.69	2.36	0.00	2.36	0.00	0.94	0.09	0.00	1.03	0.00	20.0	0.0	0.	0.00
63	78.250	32.05	0.0	0.0	0.0	6.65	2.36	0.00	2.36	0.00	0.94	0.09	0.00	1.03	0.00	20.0	0.0	0.	0.00
64	78.000	32.05	0.0	0.0	0.0	6.61	2.36	0.00	2.36	0.00	0.95	0.09	0.00	1.04	0.00	20.0	0.0	0.	0.00
65	77.750	32.05	0.0	0.0	0.0	6.56	2.36	0.00	2.36	0.00	0.95	0.09	0.00	1.04	0.00	20.0	0.0	0.	0.00

66	77.500	32.05	0.0	0.0	0.0	6.51	2.37	0.00	2.37	0.00	0.96	0.09	0.00	1.05	0.00	20.0	0.0	0.	0.00
67	77.250	32.06	0.0	0.0	0.0	6.46	2.37	0.00	2.37	0.00	0.96	0.09	0.00	1.05	0.00	20.0	0.0	0.	0.00
68	77.000	32.06	0.0	0.0	0.0	6.41	2.37	0.00	2.37	0.00	0.97	0.09	0.00	1.06	0.00	20.0	0.0	0.	0.00
69	76.750	32.06	0.0	0.0	0.0	6.35	2.37	0.00	2.37	0.00	0.97	0.09	0.00	1.06	0.00	20.0	0.0	0.	0.00
70	76.500	32.06	0.0	0.0	0.0	6.29	2.37	0.00	2.37	0.00	0.98	0.09	0.00	1.07	0.00	20.0	0.0	0.	0.00
71	76.250	32.06	0.0	0.0	0.0	6.23	2.38	0.00	2.38	0.00	0.98	0.09	0.00	1.08	0.00	20.0	0.0	0.	0.00
72	76.000	32.07	0.0	0.0	0.0	6.17	2.38	0.00	2.38	0.00	0.99	0.09	0.00	1.08	0.00	20.0	0.0	0.	0.00
73	75.750	32.07	0.0	0.0	0.0	6.11	2.39	0.00	2.39	0.00	1.00	0.09	0.00	1.09	0.00	20.0	0.0	0.	0.00
74	75.500	32.07	0.0	0.0	0.0	6.04	2.39	0.00	2.39	0.00	1.00	0.09	0.00	1.10	0.00	20.0	0.0	0.	0.00
75	75.250	32.07	0.0	0.0	0.0	5.98	2.40	0.00	2.40	0.00	1.01	0.10	0.00	1.10	0.00	20.0	0.0	0.	0.00
76	75.000	32.07	0.0	0.0	0.0	5.91	2.41	0.00	2.41	0.00	1.01	0.10	0.00	1.11	0.00	20.0	0.0	0.	0.00
77	74.750	32.08	0.0	0.0	0.0	5.84	2.41	0.00	2.41	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
78	74.500	32.08	0.0	0.0	0.0	5.77	2.43	0.00	2.43	0.00	1.03	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
79	74.250	32.08	0.0	0.0	0.0	5.70	2.44	0.00	2.44	0.00	1.03	0.10	0.00	1.13	0.00	20.0	0.0	0.	0.00
80	74.000	32.08	0.0	0.0	0.0	5.62	2.45	0.00	2.45	0.00	1.04	0.10	0.00	1.14	0.00	20.0	0.0	0.	0.00
81	73.750	32.08	0.0	0.0	0.0	5.55	2.47	0.00	2.47	0.00	1.05	0.10	0.00	1.15	0.00	20.0	0.0	0.	0.00
82	73.500	32.08	0.0	0.0	0.0	5.47	2.49	0.00	2.49	0.00	1.05	0.10	0.00	1.15	0.00	20.0	0.0	0.	0.00
83	73.250	32.09	0.0	0.0	0.0	5.40	2.52	0.00	2.52	0.00	1.06	0.10	0.00	1.16	0.00	20.0	0.0	0.	0.00
84	73.000	32.09	0.0	0.0	0.0	5.33	2.55	0.00	2.55	0.00	1.07	0.10	0.00	1.17	0.00	20.0	0.0	0.	0.00
85	72.750	32.09	0.0	0.0	0.0	5.26	2.59	0.00	2.59	0.00	1.08	0.10	0.00	1.18	0.00	20.0	0.0	0.	0.00
86	72.500	32.09	0.0	0.0	0.0	5.19	2.63	0.00	2.63	0.00	1.08	0.10	0.00	1.19	0.00	20.0	0.0	0.	0.00
87	72.250	32.09	0.0	0.0	0.0	5.13	2.68	0.00	2.68	0.00	1.09	0.10	0.00	1.19	0.00	20.0	0.0	0.	0.00
88	72.000	32.10	0.0	0.0	0.0	5.07	2.75	0.00	2.75	0.00	1.10	0.10	0.00	1.20	0.00	20.0	0.0	0.	0.00
89	71.750	32.10	0.0	0.0	0.0	5.02	2.82	0.00	2.82	0.00	1.11	0.10	0.00	1.21	0.00	20.0	0.0	0.	0.00
90	71.500	32.10	0.0	0.0	0.0	4.80	2.53	0.00	2.53	0.00	1.08	0.10	0.00	1.19	0.00	20.0	0.0	0.	0.00
91	71.250	32.11	0.0	0.0	0.0	4.65	2.44	0.00	2.44	0.00	1.08	0.10	0.00	1.18	0.00	20.0	0.0	0.	0.00
92	71.000	32.11	0.0	0.0	0.0	4.59	2.42	0.00	2.42	0.00	1.08	0.10	0.00	1.19	0.00	20.0	0.0	0.	0.00
93	70.750	32.12	0.0	0.0	0.0	4.56	2.41	0.00	2.41	0.00	1.08	0.11	0.00	1.19	0.00	20.0	0.0	0.	0.00
94	70.500	32.12	0.0	0.0	0.0	4.54	2.41	0.00	2.41	0.00	1.09	0.11	0.00	1.19	0.00	20.0	0.0	0.	0.00
95	70.250	32.13	0.0	0.0	0.0	4.52	2.41	0.00	2.41	0.00	1.09	0.11	0.00	1.20	0.00	20.0	0.0	0.	0.00
96	70.000	32.13	0.0	0.0	0.0	4.50	2.41	0.00	2.41	0.00	1.09	0.11	0.00	1.20	0.00	20.0	0.0	0.	0.00
97	69.750	32.14	0.0	0.0	0.0	4.48	2.41	0.00	2.41	0.00	1.10	0.11	0.00	1.20	0.00	20.0	0.0	0.	0.00
98	69.500	32.14	0.0	0.0	0.0	4.45	2.41	0.00	2.41	0.00	1.10	0.11	0.00	1.21	0.00	20.0	0.0	0.	0.00
99	69.250	32.15	0.0	0.0	0.0	4.43	2.41	0.00	2.41	0.00	1.11	0.11	0.00	1.21	0.00	20.0	0.0	0.	0.00
100	69.000	32.15	0.0	0.0	0.0	4.40	2.41	0.00	2.41	0.00	1.11	0.11	0.00	1.22	0.00	20.0	0.0	0.	0.00
101	68.750	32.16	0.0	0.0	0.0	4.37	2.41	0.00	2.41	0.00	1.11	0.11	0.00	1.22	0.00	20.0	0.0	0.	0.00
102	68.500	32.16	0.0	0.0	0.0	4.35	2.41	0.00	2.41	0.00	1.12	0.11	0.00	1.23	0.00	20.0	0.0	0.	0.00
103	68.250	32.17	0.0	0.0	0.0	4.31	2.42	0.00	2.42	0.00	1.12	0.11	0.00	1.24	0.00	20.0	0.0	0.	0.00
104	68.000	32.17	0.0	0.0	0.0	4.28	2.42	0.00	2.42	0.00	1.13	0.11	0.00	1.24	0.00	20.0	0.0	0.	0.00
105	67.750	32.18	0.0	0.0	0.0	4.25	2.43	0.00	2.43	0.00	1.14	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
106	67.500	32.18	0.0	0.0	0.0	4.22	2.44	0.00	2.44	0.00	1.14	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
107	67.250	32.19	0.0	0.0	0.0	4.18	2.45	0.00	2.45	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
108	67.000	32.19	0.0	0.0	0.0	4.15	2.47	0.00	2.47	0.00	1.15	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
109	66.750	32.20	0.0	0.0	0.0	4.13	2.49	0.00	2.49	0.00	1.16	0.11	0.00	1.28	0.00	20.0	0.0	0.	0.00
110	66.500	32.21	0.0	0.0	0.0	4.11	2.53	0.00	2.53	0.00	1.17	0.11	0.00	1.28	0.00	20.0	0.0	0.	0.00
111	66.250	32.21	0.0	0.0	0.0	4.10	2.58	0.00	2.58	0.00	1.18	0.11	0.00	1.29	0.00	20.0	0.0	0.	0.00
112	66.000	32.22	0.0	0.0	0.0	4.10	2.65	0.00	2.65	0.00	1.18	0.11	0.00	1.30	0.00	20.0	0.0	0.	0.00
113	65.750	32.22	0.0	0.0	0.0	4.14	2.74	0.00	2.74	0.00	1.19	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00
114	65.500	32.23	0.0	0.0	0.0	4.21	2.87	0.00	2.87	0.00	1.20	0.11	0.00	1.31	0.00	20.0	0.0	0.	0.00
115	65.250	32.23	0.0	0.0	0.0	4.33	3.05	0.00	3.05	0.00	1.21	0.11	0.00	1.32	0.00	20.0	0.0	0.	0.00

116	65.000	32.24	0.0	0.0	0.0	4.54	3.30	0.00	3.30	0.00	1.22	0.11	0.00	1.33	0.00	20.0	0.0	0.	0.00
117	64.750	32.24	0.0	0.0	0.0	4.86	3.65	0.00	3.65	0.00	1.23	0.11	0.00	1.34	0.00	20.0	0.0	0.	0.00
118	64.500	32.25	0.0	0.0	0.0	4.59	2.89	0.00	2.89	0.00	1.14	0.11	0.00	1.25	0.00	20.0	0.0	0.	0.00
119	64.250	32.25	0.0	0.0	0.0	4.60	2.59	0.00	2.59	0.00	1.09	0.10	0.00	1.19	0.00	20.0	0.0	0.	0.00
120	64.000	32.26	0.0	0.0	0.0	4.67	2.47	0.00	2.47	0.00	1.06	0.10	0.00	1.16	0.00	20.0	0.0	0.	0.00
121	63.750	32.26	0.0	0.0	0.0	4.74	2.42	0.00	2.42	0.00	1.04	0.10	0.00	1.14	0.00	20.0	0.0	0.	0.00
122	63.500	32.27	0.0	0.0	0.0	4.79	2.40	0.00	2.40	0.00	1.03	0.10	0.00	1.13	0.00	20.0	0.0	0.	0.00
123	63.250	32.27	0.0	0.0	0.0	4.82	2.39	0.00	2.39	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
124	63.000	32.28	0.0	0.0	0.0	4.84	2.39	0.00	2.39	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
125	62.750	32.28	0.0	0.0	0.0	4.85	2.38	0.00	2.38	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
126	62.500	32.29	0.0	0.0	0.0	4.86	2.38	0.00	2.38	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
127	62.250	32.29	0.0	0.0	0.0	4.86	2.37	0.00	2.37	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
128	62.000	32.30	0.0	0.0	0.0	4.85	2.35	0.00	2.35	0.00	1.02	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
129	61.750	32.30	0.0	0.0	0.0	4.82	2.32	0.00	2.32	0.00	1.03	0.10	0.00	1.12	0.00	20.0	0.0	0.	0.00
130	61.500	32.29	0.0	0.0	0.0	4.83	2.30	0.00	2.30	0.00	1.03	0.10	0.00	1.13	0.00	20.1	0.0	0.	0.00
131	61.250	32.29	0.0	0.0	0.0	4.84	2.30	0.00	2.30	0.00	1.03	0.10	0.00	1.13	0.00	20.1	0.0	0.	0.00
132	61.000	32.28	0.0	0.0	0.0	4.86	2.29	0.00	2.29	0.00	1.03	0.10	0.00	1.13	0.00	20.2	0.0	0.	0.00
133	60.750	32.28	0.0	0.0	0.0	4.88	2.29	0.00	2.29	0.00	1.03	0.10	0.00	1.13	0.00	20.2	0.0	0.	0.00
134	60.500	32.27	0.0	0.0	0.0	4.91	2.29	0.00	2.29	0.00	1.03	0.10	0.00	1.13	0.00	20.2	0.0	0.	0.00
135	60.250	32.27	0.0	0.0	0.0	4.93	2.29	0.00	2.29	0.00	1.03	0.10	0.00	1.13	0.00	20.3	0.0	0.	0.00
136	60.000	32.27	0.0	0.0	0.0	4.95	2.29	0.00	2.29	0.00	1.04	0.10	0.00	1.13	0.00	20.3	0.0	0.	0.00
137	59.750	32.26	0.0	0.0	0.0	4.97	2.29	0.00	2.29	0.00	1.04	0.10	0.00	1.13	0.00	20.4	0.0	0.	0.00
138	59.500	32.26	0.0	0.0	0.0	4.99	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.13	0.00	20.4	0.0	0.	0.00
139	59.250	32.25	0.0	0.0	0.0	5.02	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.5	0.0	0.	0.00
140	59.000	32.25	0.0	0.0	0.0	5.04	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.5	0.0	0.	0.00
141	58.750	32.25	0.0	0.0	0.0	5.06	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.5	0.0	0.	0.00
142	58.500	32.24	0.0	0.0	0.0	5.08	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.6	0.0	0.	0.00
143	58.250	32.24	0.0	0.0	0.0	5.10	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.6	0.0	0.	0.00
144	58.000	32.23	0.0	0.0	0.0	5.12	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.7	0.0	0.	0.00
145	57.750	32.23	0.0	0.0	0.0	5.14	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.7	0.0	0.	0.00
146	57.500	32.22	0.0	0.0	0.0	5.16	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.14	0.00	20.8	0.0	0.	0.00
147	57.250	32.22	0.0	0.0	0.0	5.18	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.8	0.0	0.	0.00
148	57.000	32.22	0.0	0.0	0.0	5.20	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.8	0.0	0.	0.00
149	56.750	32.21	0.0	0.0	0.0	5.22	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.9	0.0	0.	0.00
150	56.500	32.21	0.0	0.0	0.0	5.24	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.9	0.0	0.	0.00
151	56.250	32.20	0.0	0.0	0.0	5.26	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	21.0	0.0	0.	0.00
152	56.000	32.20	0.0	0.0	0.0	5.28	2.30	0.00	2.30	0.00	1.06	0.10	0.00	1.16	0.00	21.0	0.0	0.	0.00
153	55.750	32.20	0.0	0.0	0.0	5.30	2.30	0.00	2.30	0.00	1.06	0.10	0.00	1.16	0.00	21.0	0.0	0.	0.00
154	55.500	32.19	0.0	0.0	0.0	5.31	2.30	0.00	2.30	0.00	1.06	0.10	0.00	1.16	0.00	21.1	0.0	0.	0.00
155	55.250	32.19	0.0	0.0	0.0	5.33	2.30	0.00	2.30	0.00	1.06	0.10	0.00	1.16	0.00	21.1	0.0	0.	0.00
156	55.000	32.18	0.0	0.0	0.0	5.34	2.30	0.00	2.30	0.00	1.07	0.10	0.00	1.17	0.00	21.2	0.0	0.	0.00
157	54.750	32.18	0.0	0.0	0.0	5.36	2.30	0.00	2.30	0.00	1.07	0.10	0.00	1.17	0.00	21.2	0.0	0.	0.00
158	54.500	32.17	0.0	0.0	0.0	5.37	2.30	0.00	2.30	0.00	1.07	0.10	0.00	1.17	0.00	21.2	0.0	0.	0.00
159	54.250	32.17	0.0	0.0	0.0	5.39	2.30	0.00	2.30	0.00	1.08	0.10	0.00	1.18	0.00	21.3	0.0	0.	0.00
160	54.000	32.17	0.0	0.0	0.0	5.40	2.30	0.00	2.30	0.00	1.08	0.10	0.00	1.18	0.00	21.3	0.0	0.	0.00
161	53.750	32.16	0.0	0.0	0.0	5.41	2.31	0.00	2.31	0.00	1.08	0.10	0.00	1.19	0.00	21.4	0.0	0.	0.00
162	53.500	32.16	0.0	0.0	0.0	5.42	2.31	0.00	2.31	0.00	1.09	0.10	0.00	1.19	0.00	21.4	0.0	0.	0.00
163	53.250	32.15	0.0	0.0	0.0	5.42	2.31	0.00	2.31	0.00	1.09	0.10	0.00	1.20	0.00	21.5	0.0	0.	0.00
164	53.000	32.15	0.0	0.0	0.0	5.43	2.31	0.00	2.31	0.00	1.10	0.10	0.00	1.20	0.00	21.5	0.0	0.	0.00
165	52.750	32.15	0.0	0.0	0.0	5.43	2.31	0.00	2.31	0.00	1.10	0.10	0.00	1.21	0.00	21.5	0.0	0.	0.00

166	52.500	32.14	0.0	0.0	0.0	5.43	2.31	0.00	2.31	0.00	1.11	0.10	0.00	1.21	0.00	21.6	0.0	0.	0.00
167	52.250	32.14	0.0	0.0	0.0	5.43	2.31	0.00	2.31	0.00	1.12	0.10	0.00	1.22	0.00	21.6	0.0	0.	0.00
168	52.000	32.13	0.0	0.0	0.0	5.43	2.31	0.00	2.31	0.00	1.12	0.11	0.00	1.23	0.00	21.7	0.0	0.	0.00
169	51.750	32.13	0.0	0.0	0.0	5.42	2.32	0.00	2.32	0.00	1.13	0.11	0.00	1.24	0.00	21.7	0.0	0.	0.00
170	51.500	32.12	0.0	0.0	0.0	5.42	2.32	0.00	2.32	0.00	1.14	0.11	0.00	1.25	0.00	21.8	0.0	0.	0.00
171	51.250	32.12	0.0	0.0	0.0	5.41	2.33	0.00	2.33	0.00	1.15	0.11	0.00	1.26	0.00	21.8	0.0	0.	0.00
172	51.000	32.12	0.0	0.0	0.0	5.39	2.34	0.00	2.34	0.00	1.16	0.11	0.00	1.27	0.00	21.8	0.0	0.	0.00
173	50.750	32.11	0.0	0.0	0.0	5.39	2.36	0.00	2.36	0.00	1.17	0.11	0.00	1.28	0.00	21.9	0.0	0.	0.00
174	50.500	32.11	0.0	0.0	0.0	5.38	2.38	0.00	2.38	0.00	1.18	0.11	0.00	1.29	0.00	21.9	0.0	0.	0.00
175	50.250	32.10	0.0	0.0	0.0	5.39	2.43	0.00	2.43	0.00	1.19	0.11	0.00	1.31	0.00	22.0	0.0	0.	0.00
176	50.000	32.10	0.0	0.0	0.0	5.41	2.49	0.00	2.49	0.00	1.21	0.11	0.00	1.32	0.00	22.0	0.0	0.	0.00
177	49.750	32.10	0.0	0.0	0.0	5.48	2.60	0.00	2.60	0.00	1.22	0.11	0.00	1.34	0.00	22.0	0.0	0.	0.00
178	49.500	32.09	0.0	0.0	0.0	5.61	2.76	0.00	2.76	0.00	1.24	0.11	0.00	1.35	0.00	22.1	0.0	0.	0.00
179	49.250	32.09	0.0	0.0	0.0	5.85	3.03	0.00	3.03	0.00	1.26	0.11	0.00	1.37	0.00	22.1	0.0	0.	0.00
180	49.000	32.08	0.0	0.0	0.0	6.29	3.45	0.00	3.45	0.00	1.28	0.11	0.00	1.39	0.00	22.2	0.0	0.	0.00
181	48.750	32.08	0.0	0.0	0.0	7.03	4.12	0.00	4.12	0.00	1.30	0.11	0.00	1.41	0.00	22.2	0.0	0.	0.00
182	48.500	32.08	0.0	0.0	0.0	6.14	3.20	0.00	3.20	0.00	1.25	0.11	0.00	1.36	0.00	22.2	0.0	0.	0.00
183	48.250	32.07	0.0	0.0	0.0	5.81	2.75	0.00	2.75	0.00	1.21	0.11	0.00	1.32	0.00	22.3	0.0	0.	0.00
184	48.000	32.07	0.0	0.0	0.0	5.71	2.53	0.00	2.53	0.00	1.18	0.11	0.00	1.28	0.00	22.3	0.0	0.	0.00
185	47.750	32.06	0.0	0.0	0.0	5.72	2.42	0.00	2.42	0.00	1.15	0.11	0.00	1.26	0.00	22.4	0.0	0.	0.00
186	47.500	32.06	0.0	0.0	0.0	5.78	2.37	0.00	2.37	0.00	1.13	0.10	0.00	1.23	0.00	22.4	0.0	0.	0.00
187	47.250	32.05	0.0	0.0	0.0	5.84	2.34	0.00	2.34	0.00	1.11	0.10	0.00	1.21	0.00	22.5	0.0	0.	0.00
188	47.000	32.05	0.0	0.0	0.0	5.91	2.33	0.00	2.33	0.00	1.10	0.10	0.00	1.20	0.00	22.5	0.0	0.	0.00
189	46.750	32.05	0.0	0.0	0.0	5.97	2.32	0.00	2.32	0.00	1.08	0.10	0.00	1.18	0.00	22.5	0.0	0.	0.00
190	46.500	32.04	0.0	0.0	0.0	6.02	2.32	0.00	2.32	0.00	1.08	0.10	0.00	1.17	0.00	22.6	0.0	0.	0.00
191	46.250	32.04	0.0	0.0	0.0	6.07	2.32	0.00	2.32	0.00	1.07	0.10	0.00	1.17	0.00	22.6	0.0	0.	0.00
192	46.000	32.03	0.0	0.0	0.0	6.12	2.32	0.00	2.32	0.00	1.06	0.10	0.00	1.16	0.00	22.7	0.0	0.	0.00
193	45.750	32.03	0.0	0.0	0.0	6.16	2.32	0.00	2.32	0.00	1.06	0.10	0.00	1.15	0.00	22.7	0.0	0.	0.00
194	45.500	32.02	0.0	0.0	0.0	6.20	2.32	0.00	2.32	0.00	1.05	0.10	0.00	1.15	0.00	22.8	0.0	0.	0.00
195	45.250	32.02	0.0	0.0	0.0	6.23	2.32	0.00	2.32	0.00	1.05	0.10	0.00	1.14	0.00	22.8	0.0	0.	0.00
196	45.000	32.02	0.0	0.0	0.0	6.27	2.32	0.00	2.32	0.00	1.04	0.10	0.00	1.14	0.00	22.8	0.0	0.	0.00
197	44.750	32.01	0.0	0.0	0.0	6.30	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.14	0.00	22.9	0.0	0.	0.00
198	44.500	32.01	0.0	0.0	0.0	6.33	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.13	0.00	22.9	0.0	0.	0.00
199	44.250	32.00	0.0	0.0	0.0	6.36	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.13	0.00	23.0	0.0	0.	0.00
200	44.000	32.00	0.0	0.0	0.0	6.39	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.13	0.00	23.0	0.0	0.	0.00
201	43.750	32.00	0.0	0.0	0.0	6.41	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.13	0.00	23.0	0.0	0.	0.00
202	43.500	31.99	0.0	0.0	0.0	6.44	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.1	0.0	0.	0.00
203	43.250	31.99	0.0	0.0	0.0	6.47	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.1	0.0	0.	0.00
204	43.000	31.98	0.0	0.0	0.0	6.49	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.2	0.0	0.	0.00
205	42.750	31.98	0.0	0.0	0.0	6.52	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.2	0.0	0.	0.00
206	42.500	31.98	0.0	0.0	0.0	6.54	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.2	0.0	0.	0.00
207	42.250	31.97	0.0	0.0	0.0	6.57	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.3	0.0	0.	0.00
208	42.000	31.97	0.0	0.0	0.0	6.59	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.3	0.0	0.	0.00
209	41.750	31.96	0.0	0.0	0.0	6.61	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.4	0.0	0.	0.00
210	41.500	31.96	0.0	0.0	0.0	6.63	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.4	0.0	0.	0.00
211	41.250	31.95	0.0	0.0	0.0	6.65	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.5	0.0	0.	0.00
212	41.000	31.95	0.0	0.0	0.0	6.66	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.5	0.0	0.	0.00
213	40.750	31.95	0.0	0.0	0.0	6.67	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.5	0.0	0.	0.00
214	40.500	31.94	0.0	0.0	0.0	6.66	2.33	0.00	2.33	0.00	1.04	0.09	0.00	1.13	0.00	23.6	0.0	0.	0.00
215	40.250	31.94	0.0	0.0	0.0	6.63	2.33	0.00	2.33	0.00	1.04	0.09	0.00	1.13	0.00	23.6	0.0	0.	0.00

216	40.000	31.93	0.0	0.0	0.0	6.57	2.34	0.00	2.34	0.00	1.04	0.09	0.00	1.13	0.00	23.7	0.0	0.	0.00
217	39.750	31.93	0.0	0.0	0.0	6.46	2.35	0.00	2.35	0.00	1.05	0.10	0.00	1.14	0.00	23.7	0.0	0.	0.00
218	39.500	31.92	0.0	0.0	0.0	6.26	2.39	0.00	2.39	0.00	1.05	0.10	0.00	1.15	0.00	23.8	0.0	0.	0.00
219	39.250	31.92	0.0	0.0	0.0	5.93	2.47	0.00	2.47	0.00	1.06	0.10	0.00	1.16	0.00	23.8	0.0	0.	0.00
220	39.000	31.92	0.0	0.0	0.0	5.42	2.67	0.00	2.67	0.00	1.08	0.10	0.00	1.19	0.00	23.8	0.0	0.	0.00
221	38.750	31.91	0.0	0.0	0.0	4.70	3.15	0.00	3.15	0.00	1.11	0.11	0.00	1.22	0.00	23.9	0.0	0.	0.00
222	38.500	31.91	0.0	0.0	0.0	4.56	3.34	0.00	3.34	0.00	1.12	0.11	0.00	1.23	0.00	23.9	0.0	0.	0.00
223	38.250	31.90	0.0	0.0	0.0	4.58	3.48	0.00	3.48	0.00	1.12	0.11	0.00	1.23	0.00	24.0	0.0	0.	0.00
224	38.000	31.90	0.0	0.0	0.0	4.64	3.62	0.00	3.62	0.00	1.12	0.11	0.00	1.23	0.00	24.0	0.0	0.	0.00
405	37.750	31.90	0.0	0.0	0.0	4.71	3.77	0.00	3.77	0.00	1.12	0.11	0.00	1.23	0.00	24.0	0.0	0.	0.00
406	37.500	31.90	0.0	0.0	0.0	4.56	3.87	0.00	3.87	0.00	1.13	0.11	0.00	1.24	0.00	24.0	0.0	0.	0.00
407	37.250	31.90	0.0	0.0	0.0	4.48	3.92	0.00	3.92	0.00	1.13	0.11	0.00	1.24	0.00	23.9	0.0	0.	0.00
408	37.000	31.91	0.0	0.0	0.0	4.44	3.95	0.00	3.95	0.00	1.13	0.11	0.00	1.24	0.00	23.9	0.0	0.	0.00
409	36.750	31.91	0.0	0.0	0.0	4.41	3.97	0.00	3.97	0.00	1.13	0.11	0.00	1.24	0.00	23.9	0.0	0.	0.00
410	36.500	31.91	0.0	0.0	0.0	4.39	3.99	0.00	3.99	0.00	1.13	0.11	0.00	1.25	0.00	23.9	0.0	0.	0.00
411	36.250	31.91	0.0	0.0	0.0	4.38	4.01	0.00	4.01	0.00	1.14	0.11	0.00	1.25	0.00	23.9	0.0	0.	0.00
412	36.000	31.91	0.0	0.0	0.0	4.37	4.04	0.00	4.04	0.00	1.14	0.11	0.00	1.25	0.00	23.8	0.0	0.	0.00
413	35.750	31.91	0.0	0.0	0.0	4.37	4.07	0.00	4.07	0.00	1.14	0.11	0.00	1.25	0.00	23.8	0.0	0.	0.00
414	35.500	31.91	0.0	0.0	0.0	4.44	3.94	0.00	3.94	0.00	1.12	0.11	0.00	1.23	0.00	23.8	0.0	0.	0.00
415	35.250	31.91	0.0	0.0	0.0	4.47	3.89	0.00	3.89	0.00	1.12	0.11	0.00	1.23	0.00	23.8	0.0	0.	0.00
416	35.000	31.92	0.0	0.0	0.0	4.47	3.87	0.00	3.87	0.00	1.11	0.11	0.00	1.22	0.00	23.8	0.0	0.	0.00
417	34.750	31.92	0.0	0.0	0.0	4.46	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.22	0.00	23.7	0.0	0.	0.00
418	34.500	31.92	0.0	0.0	0.0	4.45	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.22	0.00	23.7	0.0	0.	0.00
419	34.250	31.92	0.0	0.0	0.0	4.43	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.22	0.00	23.7	0.0	0.	0.00
420	34.000	31.92	0.0	0.0	0.0	4.41	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.22	0.00	23.7	0.0	0.	0.00
421	33.750	31.92	0.0	0.0	0.0	4.38	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.23	0.00	23.7	0.0	0.	0.00
422	33.500	31.92	0.0	0.0	0.0	4.36	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.6	0.0	0.	0.00
423	33.250	31.92	0.0	0.0	0.0	4.34	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.6	0.0	0.	0.00
424	33.000	31.93	0.0	0.0	0.0	4.31	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.6	0.0	0.	0.00
425	32.750	31.93	0.0	0.0	0.0	4.28	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.6	0.0	0.	0.00
426	32.500	31.93	0.0	0.0	0.0	4.26	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.6	0.0	0.	0.00
427	32.250	31.93	0.0	0.0	0.0	4.23	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.5	0.0	0.	0.00
428	32.000	31.93	0.0	0.0	0.0	4.20	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.5	0.0	0.	0.00
429	31.750	31.93	0.0	0.0	0.0	4.17	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.5	0.0	0.	0.00
430	31.500	31.93	0.0	0.0	0.0	4.14	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.5	0.0	0.	0.00
431	31.250	31.94	0.0	0.0	0.0	4.11	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.5	0.0	0.	0.00
432	31.000	31.94	0.0	0.0	0.0	4.08	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.24	0.00	23.4	0.0	0.	0.00
433	30.750	31.94	0.0	0.0	0.0	4.05	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.24	0.00	23.4	0.0	0.	0.00
434	30.500	31.94	0.0	0.0	0.0	4.02	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.24	0.00	23.4	0.0	0.	0.00
435	30.250	31.94	0.0	0.0	0.0	3.98	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.24	0.00	23.4	0.0	0.	0.00
436	30.000	31.94	0.0	0.0	0.0	3.95	3.86	0.00	3.86	0.00	1.12	0.12	0.00	1.24	0.00	23.4	0.0	0.	0.00
437	29.750	31.94	0.0	0.0	0.0	3.91	3.86	0.00	3.86	0.00	1.13	0.12	0.00	1.24	0.00	23.3	0.0	0.	0.00
438	29.500	31.94	0.0	0.0	0.0	3.87	3.86	0.00	3.86	0.00	1.13	0.12	0.00	1.24	0.00	23.3	0.0	0.	0.00
439	29.250	31.95	0.0	0.0	0.0	3.84	3.86	0.00	3.86	0.00	1.13	0.12	0.00	1.24	0.00	23.3	0.0	0.	0.00
440	29.000	31.95	0.0	0.0	0.0	3.80	3.86	0.00	3.86	0.00	1.13	0.12	0.00	1.24	0.00	23.3	0.0	0.	0.00
441	28.750	31.95	0.0	0.0	0.0	3.76	3.87	0.00	3.87	0.00	1.13	0.12	0.00	1.25	0.00	23.3	0.0	0.	0.00
442	28.500	31.95	0.0	0.0	0.0	3.71	3.87	0.00	3.87	0.00	1.13	0.12	0.00	1.25	0.00	23.2	0.0	0.	0.00
443	28.250	31.95	0.0	0.0	0.0	3.67	3.87	0.00	3.87	0.00	1.13	0.12	0.00	1.25	0.00	23.2	0.0	0.	0.00
444	28.000	31.95	0.0	0.0	0.0	3.63	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.25	0.00	23.2	0.0	0.	0.00
445	27.750	31.95	0.0	0.0	0.0	3.58	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.25	0.00	23.2	0.0	0.	0.00

446	27.500	31.96	0.0	0.0	0.0	3.54	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	23.2	0.0	0.	0.00
447	27.250	31.96	0.0	0.0	0.0	3.49	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	23.2	0.0	0.	0.00
448	27.000	31.96	0.0	0.0	0.0	3.44	3.90	0.00	3.90	0.00	1.14	0.12	0.00	1.26	0.00	23.1	0.0	0.	0.00
449	26.750	31.96	0.0	0.0	0.0	3.39	3.91	0.00	3.91	0.00	1.14	0.12	0.00	1.26	0.00	23.1	0.0	0.	0.00
450	26.500	31.96	0.0	0.0	0.0	3.34	3.92	0.00	3.92	0.00	1.14	0.12	0.00	1.26	0.00	23.1	0.0	0.	0.00
451	26.250	31.96	0.0	0.0	0.0	3.30	3.93	0.00	3.93	0.00	1.14	0.12	0.00	1.26	0.00	23.1	0.0	0.	0.00
452	26.000	31.96	0.0	0.0	0.0	3.25	3.95	0.00	3.95	0.00	1.14	0.12	0.00	1.26	0.00	23.1	0.0	0.	0.00
453	25.750	31.96	0.0	0.0	0.0	3.20	3.96	0.00	3.96	0.00	1.14	0.12	0.00	1.26	0.00	23.0	0.0	0.	0.00
454	25.500	31.97	0.0	0.0	0.0	3.15	3.98	0.00	3.98	0.00	1.14	0.12	0.00	1.26	0.00	23.0	0.0	0.	0.00
455	25.250	31.97	0.0	0.0	0.0	3.10	4.01	0.00	4.01	0.00	1.14	0.12	0.00	1.27	0.00	23.0	0.0	0.	0.00
456	25.000	31.97	0.0	0.0	0.0	3.06	4.04	0.00	4.04	0.00	1.14	0.12	0.00	1.27	0.00	23.0	0.0	0.	0.00
457	24.750	31.97	0.0	0.0	0.0	3.02	4.07	0.00	4.07	0.00	1.15	0.12	0.00	1.27	0.00	23.0	0.0	0.	0.00
458	24.500	31.97	0.0	0.0	0.0	2.98	4.11	0.00	4.11	0.00	1.15	0.12	0.00	1.27	0.00	22.9	0.0	0.	0.00
459	24.250	31.97	0.0	0.0	0.0	2.95	4.16	0.00	4.16	0.00	1.15	0.12	0.00	1.27	0.00	22.9	0.0	0.	0.00
460	24.000	31.97	0.0	0.0	0.0	2.92	4.22	0.00	4.22	0.00	1.15	0.12	0.00	1.27	0.00	22.9	0.0	0.	0.00
461	23.750	31.97	0.0	0.0	0.0	2.90	4.29	0.00	4.29	0.00	1.15	0.12	0.00	1.27	0.00	22.9	0.0	0.	0.00
462	23.500	31.98	0.0	0.0	0.0	2.90	4.37	0.00	4.37	0.00	1.15	0.12	0.00	1.27	0.00	22.9	0.0	0.	0.00
463	23.250	31.98	0.0	0.0	0.0	2.90	4.47	0.00	4.47	0.00	1.15	0.12	0.00	1.28	0.00	22.8	0.0	0.	0.00
464	23.000	31.98	0.0	0.0	0.0	2.93	4.58	0.00	4.58	0.00	1.16	0.12	0.00	1.28	0.00	22.8	0.0	0.	0.00
465	22.750	31.98	0.0	0.0	0.0	2.98	4.72	0.00	4.72	0.00	1.16	0.12	0.00	1.28	0.00	22.8	0.0	0.	0.00
466	22.500	31.98	0.0	0.0	0.0	3.05	4.88	0.00	4.88	0.00	1.16	0.12	0.00	1.28	0.00	22.8	0.0	0.	0.00
467	22.250	31.98	0.0	0.0	0.0	3.16	5.07	0.00	5.07	0.00	1.16	0.12	0.00	1.28	0.00	22.8	0.0	0.	0.00
468	22.000	31.98	0.0	0.0	0.0	3.31	5.28	0.00	5.28	0.00	1.16	0.11	0.00	1.27	0.00	22.7	0.0	0.	0.00
469	21.750	31.99	0.0	0.0	0.0	3.50	5.54	0.00	5.54	0.00	1.16	0.11	0.00	1.27	0.00	22.7	0.0	0.	0.00
470	21.500	31.99	0.0	0.0	0.0	3.68	4.65	0.00	4.65	0.00	1.11	0.11	0.00	1.22	0.00	22.7	0.0	0.	0.00
471	21.250	31.99	0.0	0.0	0.0	3.86	4.23	0.00	4.23	0.00	1.08	0.11	0.00	1.19	0.00	22.7	0.0	0.	0.00
472	21.000	31.99	0.0	0.0	0.0	3.99	4.03	0.00	4.03	0.00	1.07	0.10	0.00	1.17	0.00	22.7	0.0	0.	0.00
473	20.750	31.99	0.0	0.0	0.0	4.08	3.93	0.00	3.93	0.00	1.06	0.10	0.00	1.16	0.00	22.6	0.0	0.	0.00
474	20.500	31.99	0.0	0.0	0.0	4.13	3.89	0.00	3.89	0.00	1.05	0.10	0.00	1.15	0.00	22.6	0.0	0.	0.00
475	20.250	31.99	0.0	0.0	0.0	4.16	3.86	0.00	3.86	0.00	1.04	0.10	0.00	1.15	0.00	22.6	0.0	0.	0.00
476	20.000	31.99	0.0	0.0	0.0	4.18	3.85	0.00	3.85	0.00	1.04	0.10	0.00	1.14	0.00	22.6	0.0	0.	0.00
477	19.750	32.00	0.0	0.0	0.0	4.18	3.85	0.00	3.85	0.00	1.04	0.10	0.00	1.14	0.00	22.6	0.0	0.	0.00
478	19.500	32.00	0.0	0.0	0.0	4.18	3.85	0.00	3.85	0.00	1.04	0.10	0.00	1.14	0.00	22.5	0.0	0.	0.00
479	19.250	32.00	0.0	0.0	0.0	4.17	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.14	0.00	22.5	0.0	0.	0.00
480	19.000	32.00	0.0	0.0	0.0	4.16	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.13	0.00	22.5	0.0	0.	0.00
481	18.750	32.00	0.0	0.0	0.0	4.15	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.13	0.00	22.5	0.0	0.	0.00
482	18.500	32.00	0.0	0.0	0.0	4.14	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.13	0.00	22.5	0.0	0.	0.00
483	18.250	32.00	0.0	0.0	0.0	4.13	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.13	0.00	22.4	0.0	0.	0.00
484	18.000	32.01	0.0	0.0	0.0	4.12	3.85	0.00	3.85	0.00	1.02	0.10	0.00	1.13	0.00	22.4	0.0	0.	0.00
485	17.750	32.01	0.0	0.0	0.0	4.11	3.85	0.00	3.85	0.00	1.02	0.10	0.00	1.12	0.00	22.4	0.0	0.	0.00
486	17.500	32.01	0.0	0.0	0.0	4.10	3.86	0.00	3.86	0.00	1.02	0.10	0.00	1.12	0.00	22.4	0.0	0.	0.00
487	17.250	32.01	0.0	0.0	0.0	4.09	3.86	0.00	3.86	0.00	1.02	0.10	0.00	1.12	0.00	22.4	0.0	0.	0.00
488	17.000	32.01	0.0	0.0	0.0	4.08	3.87	0.00	3.87	0.00	1.02	0.10	0.00	1.12	0.00	22.3	0.0	0.	0.00
489	16.750	32.01	0.0	0.0	0.0	4.07	3.87	0.00	3.87	0.00	1.01	0.10	0.00	1.11	0.00	22.3	0.0	0.	0.00
490	16.500	32.01	0.0	0.0	0.0	4.06	3.88	0.00	3.88	0.00	1.01	0.10	0.00	1.11	0.00	22.3	0.0	0.	0.00
491	16.250	32.01	0.0	0.0	0.0	4.06	3.89	0.00	3.89	0.00	1.01	0.10	0.00	1.11	0.00	22.3	0.0	0.	0.00
492	16.000	32.02	0.0	0.0	0.0	4.05	3.90	0.00	3.90	0.00	1.01	0.10	0.00	1.10	0.00	22.3	0.0	0.	0.00
493	15.750	32.02	0.0	0.0	0.0	4.06	3.92	0.00	3.92	0.00	1.00	0.10	0.00	1.10	0.00	22.2	0.0	0.	0.00
494	15.500	32.02	0.0	0.0	0.0	4.07	3.88	0.00	3.88	0.00	1.00	0.10	0.00	1.10	0.00	22.2	0.0	0.	0.00
495	15.250	32.02	0.0	0.0	0.0	4.08	3.86	0.00	3.86	0.00	1.00	0.10	0.00	1.10	0.00	22.2	0.0	0.	0.00

496	15.000	32.02	0.0	0.0	0.0	4.08	3.85	0.00	3.85	0.00	1.00	0.10	0.00	1.09	0.00	22.2	0.0	0.	0.00
497	14.750	32.02	0.0	0.0	0.0	4.08	3.84	0.00	3.84	0.00	0.99	0.10	0.00	1.09	0.00	22.2	0.0	0.	0.00
498	14.500	32.02	0.0	0.0	0.0	4.08	3.84	0.00	3.84	0.00	0.99	0.10	0.00	1.09	0.00	22.1	0.0	0.	0.00
499	14.250	32.02	0.0	0.0	0.0	4.08	3.84	0.00	3.84	0.00	0.99	0.10	0.00	1.08	0.00	22.1	0.0	0.	0.00
500	14.000	32.03	0.0	0.0	0.0	4.07	3.84	0.00	3.84	0.00	0.98	0.10	0.00	1.08	0.00	22.1	0.0	0.	0.00
501	13.750	32.03	0.0	0.0	0.0	4.06	3.84	0.00	3.84	0.00	0.98	0.10	0.00	1.08	0.00	22.1	0.0	0.	0.00
502	13.500	32.03	0.0	0.0	0.0	4.06	3.84	0.00	3.84	0.00	0.98	0.10	0.00	1.07	0.00	22.1	0.0	0.	0.00
503	13.250	32.03	0.0	0.0	0.0	4.05	3.84	0.00	3.84	0.00	0.97	0.10	0.00	1.07	0.00	22.0	0.0	0.	0.00
504	13.000	32.03	0.0	0.0	0.0	4.04	3.84	0.00	3.84	0.00	0.97	0.10	0.00	1.06	0.00	22.0	0.0	0.	0.00
505	12.750	32.03	0.0	0.0	0.0	4.03	3.84	0.00	3.84	0.00	0.96	0.09	0.00	1.06	0.00	22.0	0.0	0.	0.00
506	12.500	32.03	0.0	0.0	0.0	4.02	3.84	0.00	3.84	0.00	0.96	0.09	0.00	1.05	0.00	22.0	0.0	0.	0.00
507	12.250	32.04	0.0	0.0	0.0	4.01	3.84	0.00	3.84	0.00	0.95	0.09	0.00	1.05	0.00	22.0	0.0	0.	0.00
508	12.000	32.04	0.0	0.0	0.0	4.00	3.84	0.00	3.84	0.00	0.95	0.09	0.00	1.04	0.00	21.9	0.0	0.	0.00
509	11.750	32.04	0.0	0.0	0.0	3.99	3.84	0.00	3.84	0.00	0.94	0.09	0.00	1.04	0.00	21.9	0.0	0.	0.00
510	11.500	32.04	0.0	0.0	0.0	3.98	3.84	0.00	3.84	0.00	0.94	0.09	0.00	1.03	0.00	21.9	0.0	0.	0.00
511	11.250	32.04	0.0	0.0	0.0	3.97	3.84	0.00	3.84	0.00	0.93	0.09	0.00	1.02	0.00	21.9	0.0	0.	0.00
512	11.000	32.04	0.0	0.0	0.0	3.96	3.85	0.00	3.85	0.00	0.93	0.09	0.00	1.02	0.00	21.9	0.0	0.	0.00
513	10.750	32.04	0.0	0.0	0.0	3.94	3.85	0.00	3.85	0.00	0.92	0.09	0.00	1.01	0.00	21.8	0.0	0.	0.00
514	10.500	32.04	0.0	0.0	0.0	3.93	3.85	0.00	3.85	0.00	0.91	0.09	0.00	1.00	0.00	21.8	0.0	0.	0.00
515	10.250	32.05	0.0	0.0	0.0	3.92	3.86	0.00	3.86	0.00	0.91	0.09	0.00	1.00	0.00	21.8	0.0	0.	0.00
516	10.000	32.05	0.0	0.0	0.0	3.91	3.87	0.00	3.87	0.00	0.90	0.09	0.00	0.99	0.00	21.8	0.0	0.	0.00
517	9.750	32.05	0.0	0.0	0.0	3.90	3.87	0.00	3.87	0.00	0.89	0.09	0.00	0.98	0.00	21.8	0.0	0.	0.00
518	9.500	32.05	0.0	0.0	0.0	3.89	3.89	0.00	3.89	0.00	0.88	0.09	0.00	0.97	0.00	21.8	0.0	0.	0.00
519	9.250	32.05	0.0	0.0	0.0	3.88	3.90	0.00	3.90	0.00	0.88	0.09	0.00	0.96	0.00	21.7	0.0	0.	0.00
520	9.000	32.05	0.0	0.0	0.0	3.87	3.92	0.00	3.92	0.00	0.87	0.08	0.00	0.95	0.00	21.7	0.0	0.	0.00
521	8.750	32.05	0.0	0.0	0.0	3.87	3.94	0.00	3.94	0.00	0.86	0.08	0.00	0.94	0.00	21.7	0.0	0.	0.00
522	8.500	32.06	0.0	0.0	0.0	3.87	3.97	0.00	3.97	0.00	0.85	0.08	0.00	0.93	0.00	21.7	0.0	0.	0.00
523	8.250	32.06	0.0	0.0	0.0	3.89	4.01	0.00	4.01	0.00	0.84	0.08	0.00	0.92	0.00	21.7	0.0	0.	0.00
524	8.000	32.06	0.0	0.0	0.0	3.91	4.07	0.00	4.07	0.00	0.83	0.08	0.00	0.91	0.00	21.6	0.0	0.	0.00
525	7.750	32.06	0.0	0.0	0.0	3.95	4.13	0.00	4.13	0.00	0.82	0.08	0.00	0.90	0.00	21.6	0.0	0.	0.00
526	7.500	32.06	0.0	0.0	0.0	4.04	3.99	0.00	3.99	0.00	0.80	0.08	0.00	0.88	0.00	21.6	0.0	0.	0.00
527	7.250	32.06	0.0	0.0	0.0	4.13	3.92	0.00	3.92	0.00	0.79	0.07	0.00	0.86	0.00	21.6	0.0	0.	0.00
528	7.000	32.06	0.0	0.0	0.0	4.20	3.88	0.00	3.88	0.00	0.77	0.07	0.00	0.84	0.00	21.6	0.0	0.	0.00
529	6.750	32.06	0.0	0.0	0.0	4.25	3.85	0.00	3.85	0.00	0.76	0.07	0.00	0.83	0.00	21.5	0.0	0.	0.00
530	6.500	32.07	0.0	0.0	0.0	4.29	3.84	0.00	3.84	0.00	0.74	0.07	0.00	0.81	0.00	21.5	0.0	0.	0.00
531	6.250	32.07	0.0	0.0	0.0	4.33	3.84	0.00	3.84	0.00	0.72	0.07	0.00	0.79	0.00	21.5	0.0	0.	0.00
532	6.000	32.07	0.0	0.0	0.0	4.36	3.83	0.00	3.83	0.00	0.70	0.06	0.00	0.77	0.00	21.5	0.0	0.	0.00
533	5.750	32.07	0.0	0.0	0.0	4.38	3.83	0.00	3.83	0.00	0.69	0.06	0.00	0.75	0.00	21.5	0.0	0.	0.00
534	5.500	32.07	0.0	0.0	0.0	4.41	3.83	0.00	3.83	0.00	0.67	0.06	0.00	0.73	0.00	21.4	0.0	0.	0.00
535	5.250	32.07	0.0	0.0	0.0	4.43	3.83	0.00	3.83	0.00	0.64	0.06	0.00	0.70	0.00	21.4	0.0	0.	0.00
536	5.000	32.07	0.0	0.0	0.0	4.45	3.83	0.00	3.83	0.00	0.62	0.06	0.00	0.68	0.00	21.4	0.0	0.	0.00
537	4.750	32.07	0.0	0.0	0.0	4.46	3.83	0.00	3.83	0.00	0.60	0.05	0.00	0.65	0.00	21.4	0.0	0.	0.00
538	4.500	32.08	0.0	0.0	0.0	4.48	3.83	0.00	3.83	0.00	0.57	0.05	0.00	0.63	0.00	21.4	0.0	0.	0.00
539	4.250	32.08	0.0	0.0	0.0	4.50	3.83	0.00	3.83	0.00	0.55	0.05	0.00	0.60	0.00	21.3	0.0	0.	0.00
540	4.000	32.08	0.0	0.0	0.0	4.51	3.83	0.00	3.83	0.00	0.52	0.05	0.00	0.57	0.00	21.3	0.0	0.	0.00
541	3.750	32.08	0.0	0.0	0.0	4.53	3.83	0.00	3.83	0.00	0.49	0.04	0.00	0.54	0.00	21.3	0.0	0.	0.00
542	3.500	32.08	0.0	0.0	0.0	4.54	3.83	0.00	3.83	0.00	0.47	0.04	0.00	0.51	0.00	21.3	0.0	0.	0.00
543	3.250	32.08	0.0	0.0	0.0	4.55	3.83	0.00	3.83	0.00	0.44	0.04	0.00	0.48	0.00	21.3	0.0	0.	0.00
544	3.000	32.08	0.0	0.0	0.0	4.56	3.83	0.00	3.83	0.00	0.41	0.04	0.00	0.45	0.00	21.2	0.0	0.	0.00
545	2.750	32.09	0.0	0.0	0.0	4.56	3.83	0.00	3.83	0.00	0.39	0.04	0.00	0.43	0.00	21.2	0.0	0.	0.00

546	2.500	32.09	0.0	0.0	0.0	4.57	3.83	0.00	3.83	0.00	0.36	0.04	0.00	0.40	0.00	21.2	0.0	0.	0.00
547	2.250	32.09	0.0	0.0	0.0	4.58	3.82	0.00	3.82	0.00	0.33	0.04	0.00	0.37	0.00	21.2	0.0	0.	0.00
548	2.000	32.09	0.0	0.0	0.0	4.59	3.82	0.00	3.82	0.00	0.30	0.04	0.00	0.34	0.00	21.2	0.0	0.	0.00
549	1.750	32.09	0.0	0.0	0.0	4.60	3.82	0.00	3.82	0.00	0.27	0.04	0.00	0.32	0.00	21.1	0.0	0.	0.00
550	1.500	32.09	0.0	0.0	0.0	4.61	3.82	0.00	3.82	0.00	0.24	0.05	0.00	0.29	0.00	21.1	0.0	0.	0.00
551	1.250	32.09	0.0	0.0	0.0	4.63	3.82	0.00	3.82	0.00	0.21	0.05	0.00	0.26	0.00	21.1	0.0	0.	0.00
552	1.000	32.09	0.0	0.0	0.0	4.66	3.82	0.00	3.82	0.00	0.18	0.06	0.00	0.24	0.00	21.1	0.0	0.	0.00
553	0.750	32.10	0.0	0.0	0.0	4.70	3.82	0.00	3.82	0.00	0.14	0.07	0.00	0.21	0.00	21.1	0.0	0.	0.00
554	0.500	32.10	0.0	0.0	0.0	4.75	3.81	0.00	3.81	0.00	0.10	0.08	0.01	0.19	0.00	21.0	0.0	0.	0.00
555	0.250	32.10	0.0	0.0	0.0	4.82	3.81	0.00	3.81	0.00	0.07	0.10	0.11	0.28	0.00	21.0	0.0	0.	0.00
556	0.000	32.10	0.0	0.0	0.0	4.92	3.80	0.00	3.80	0.00	0.03	0.13	0.21	0.37	0.00	21.0	0.0	0.	0.00

SPECIAL REPORT: Bayou Black

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	MACRO #/100mL	COLI *	NCM
225	44.750	32.10	0.0	0.0	0.0	4.22	8.39	0.00	8.39	0.00	1.39	0.26	0.00	1.64	0.00	25.0	0.0	0.	0.00	
226	44.500	32.09	0.0	0.0	0.0	3.78	7.37	0.00	7.37	0.00	1.37	0.23	0.00	1.60	0.00	25.0	0.0	0.	0.00	
227	44.250	32.09	0.0	0.0	0.0	3.52	6.47	0.00	6.47	0.00	1.35	0.20	0.00	1.55	0.00	25.0	0.0	0.	0.00	
228	44.000	32.08	0.0	0.0	0.0	3.40	5.70	0.00	5.70	0.00	1.33	0.18	0.00	1.52	0.00	25.0	0.0	0.	0.00	
229	43.750	32.08	0.0	0.0	0.0	3.40	5.02	0.00	5.02	0.00	1.31	0.17	0.00	1.48	0.00	25.0	0.0	0.	0.00	
230	43.500	32.08	0.0	0.0	0.0	3.48	4.43	0.00	4.43	0.00	1.30	0.15	0.00	1.45	0.00	25.0	0.0	0.	0.00	
231	43.250	32.07	0.0	0.0	0.0	3.63	3.91	0.00	3.91	0.00	1.28	0.14	0.00	1.42	0.00	25.0	0.0	0.	0.00	
232	43.000	32.07	0.0	0.0	0.0	3.83	3.46	0.00	3.46	0.00	1.26	0.13	0.00	1.39	0.00	25.0	0.0	0.	0.00	
233	42.750	32.06	0.0	0.0	0.0	4.07	3.07	0.00	3.07	0.00	1.24	0.12	0.00	1.37	0.00	25.0	0.0	0.	0.00	
234	42.500	32.06	0.0	0.0	0.0	4.33	2.72	0.00	2.72	0.00	1.23	0.11	0.00	1.34	0.00	25.0	0.0	0.	0.00	
235	42.250	32.06	0.0	0.0	0.0	4.61	2.42	0.00	2.42	0.00	1.21	0.11	0.00	1.32	0.00	25.0	0.0	0.	0.00	
236	42.000	32.05	0.0	0.0	0.0	4.90	2.16	0.00	2.16	0.00	1.20	0.10	0.00	1.30	0.00	25.0	0.0	0.	0.00	
237	41.750	32.05	0.0	0.0	0.0	5.20	1.94	0.00	1.94	0.00	1.18	0.10	0.00	1.27	0.00	25.0	0.0	0.	0.00	
238	41.500	32.04	0.0	0.0	0.0	5.49	1.74	0.00	1.74	0.00	1.16	0.09	0.00	1.25	0.00	25.0	0.0	0.	0.00	
239	41.250	32.04	0.0	0.0	0.0	5.79	1.56	0.00	1.56	0.00	1.15	0.09	0.00	1.23	0.00	25.0	0.0	0.	0.00	
240	41.000	32.04	0.0	0.0	0.0	6.07	1.41	0.00	1.41	0.00	1.13	0.08	0.00	1.22	0.00	25.0	0.0	0.	0.00	
241	40.750	32.03	0.0	0.0	0.0	6.35	1.28	0.00	1.28	0.00	1.12	0.08	0.00	1.20	0.00	25.0	0.0	0.	0.00	
242	40.500	32.03	0.0	0.0	0.0	6.62	1.16	0.00	1.16	0.00	1.10	0.08	0.00	1.18	0.00	25.0	0.0	0.	0.00	
243	40.250	32.02	0.0	0.0	0.0	6.88	1.06	0.00	1.06	0.00	1.09	0.07	0.00	1.16	0.00	25.0	0.0	0.	0.00	
244	40.000	32.02	0.0	0.0	0.0	7.12	0.98	0.00	0.98	0.00	1.08	0.07	0.00	1.15	0.00	25.0	0.0	0.	0.00	
245	39.750	32.02	0.0	0.0	0.0	7.35	0.90	0.00	0.90	0.00	1.06	0.07	0.00	1.13	0.00	25.0	0.0	0.	0.00	
246	39.500	32.01	0.0	0.0	0.0	7.57	0.83	0.00	0.83	0.00	1.05	0.07	0.00	1.12	0.00	25.0	0.0	0.	0.00	
247	39.250	32.01	0.0	0.0	0.0	7.78	0.77	0.00	0.77	0.00	1.03	0.07	0.00	1.10	0.00	25.0	0.0	0.	0.00	
248	39.000	32.00	0.0	0.0	0.0	7.98	0.72	0.00	0.72	0.00	1.02	0.06	0.00	1.09	0.00	25.0	0.0	0.	0.00	
249	38.750	32.00	0.0	0.0	0.0	8.14	0.68	0.00	0.68	0.00	1.01	0.06	0.00	1.07	0.00	25.0	0.0	0.	0.00	
250	38.500	32.00	0.0	0.0	0.0	8.11	0.72	0.00	0.72	0.00	1.01	0.06	0.00	1.07	0.00	25.7	0.0	0.	0.00	
251	38.250	32.00	0.0	0.0	0.0	8.09	0.76	0.00	0.76	0.00	1.01	0.06	0.00	1.07	0.00	26.4	0.0	0.	0.00	
252	38.000	32.00	0.0	0.0	0.0	8.07	0.80	0.00	0.80	0.00	1.01	0.06	0.00	1.08	0.00	27.1	0.0	0.	0.00	
253	37.750	32.00	0.0	0.0	0.0	8.04	0.84	0.00	0.84	0.00	1.01	0.06	0.00	1.08	0.00	27.9	0.0	0.	0.00	
254	37.500	32.00	0.0	0.0	0.0	8.02	0.88	0.00	0.88	0.00	1.01	0.06	0.00	1.08	0.00	28.6	0.0	0.	0.00	
255	37.250	32.00	0.0	0.0	0.0	8.00	0.92	0.00	0.92	0.00	1.02	0.06	0.00	1.08	0.00	29.3	0.0	0.	0.00	
256	37.000	32.00	0.0	0.0	0.0	7.98	0.96	0.00	0.96	0.00	1.02	0.06	0.00	1.08	0.00	30.0	0.0	0.	0.00	
257	36.750	32.00	0.0	0.0	0.0	7.96	0.99	0.00	0.99	0.00	1.02	0.06	0.00	1.08	0.00	30.7	0.0	0.	0.00	
258	36.500	32.00	0.0	0.0	0.0	7.94	1.03	0.00	1.03	0.00	1.02	0.06	0.00	1.08	0.00	31.4	0.0	0.	0.00	
259	36.250	32.00	0.0	0.0	0.0	7.93	1.07	0.00	1.07	0.00	1.02	0.06	0.00	1.08	0.00	32.1	0.0	0.	0.00	

260	36.000	32.00	0.0	0.0	0.0	7.91	1.11	0.00	1.11	0.00	1.02	0.06	0.00	1.08	0.00	32.9	0.0	0.	0.00
261	35.750	32.00	0.0	0.0	0.0	7.89	1.15	0.00	1.15	0.00	1.02	0.06	0.00	1.08	0.00	33.6	0.0	0.	0.00
262	35.500	32.00	0.0	0.0	0.0	7.88	1.18	0.00	1.18	0.00	1.02	0.06	0.00	1.08	0.00	34.3	0.0	0.	0.00
263	35.250	32.00	0.0	0.0	0.0	7.87	1.22	0.00	1.22	0.00	1.02	0.06	0.00	1.09	0.00	35.0	0.0	0.	0.00
264	35.000	32.00	0.0	0.0	0.0	7.85	1.26	0.00	1.26	0.00	1.02	0.06	0.00	1.09	0.00	35.7	0.0	0.	0.00
265	34.750	32.00	0.0	0.0	0.0	7.84	1.29	0.00	1.29	0.00	1.02	0.06	0.00	1.09	0.00	36.4	0.0	0.	0.00
266	34.500	32.00	0.0	0.0	0.0	7.83	1.33	0.00	1.33	0.00	1.03	0.06	0.00	1.09	0.00	37.1	0.0	0.	0.00
267	34.250	32.00	0.0	0.0	0.0	7.82	1.36	0.00	1.36	0.00	1.03	0.06	0.00	1.09	0.00	37.9	0.0	0.	0.00
268	34.000	32.00	0.0	0.0	0.0	7.80	1.40	0.00	1.40	0.00	1.03	0.06	0.00	1.09	0.00	38.6	0.0	0.	0.00
269	33.750	32.00	0.0	0.0	0.0	7.79	1.43	0.00	1.43	0.00	1.03	0.06	0.00	1.09	0.00	39.3	0.0	0.	0.00
270	33.500	32.00	0.0	0.0	0.0	7.79	1.47	0.00	1.47	0.00	1.03	0.06	0.00	1.09	0.00	40.0	0.0	0.	0.00
271	33.250	32.00	0.0	0.0	0.0	7.78	1.50	0.00	1.50	0.00	1.03	0.06	0.00	1.09	0.00	40.7	0.0	0.	0.00
272	33.000	32.00	0.0	0.0	0.0	7.77	1.54	0.00	1.54	0.00	1.03	0.06	0.00	1.09	0.00	41.4	0.0	0.	0.00
273	32.750	32.00	0.0	0.0	0.0	7.76	1.57	0.00	1.57	0.00	1.03	0.06	0.00	1.09	0.00	42.1	0.0	0.	0.00
274	32.500	32.00	0.0	0.0	0.0	7.75	1.61	0.00	1.61	0.00	1.03	0.06	0.00	1.09	0.00	42.9	0.0	0.	0.00
275	32.250	32.00	0.0	0.0	0.0	7.75	1.64	0.00	1.64	0.00	1.03	0.06	0.00	1.10	0.00	43.6	0.0	0.	0.00
276	32.000	32.00	0.0	0.0	0.0	7.74	1.67	0.00	1.67	0.00	1.03	0.06	0.00	1.10	0.00	44.3	0.0	0.	0.00
277	31.750	32.00	0.0	0.0	0.0	7.74	1.71	0.00	1.71	0.00	1.03	0.06	0.00	1.10	0.00	45.0	0.0	0.	0.00
278	31.500	32.00	0.0	0.0	0.0	7.73	1.76	0.00	1.76	0.00	1.04	0.07	0.00	1.10	0.00	45.7	0.0	0.	0.00
279	31.250	32.00	0.0	0.0	0.0	7.73	1.79	0.00	1.79	0.00	1.04	0.07	0.00	1.10	0.00	46.4	0.0	0.	0.00
280	31.000	32.00	0.0	0.0	0.0	7.73	1.83	0.00	1.83	0.00	1.04	0.07	0.00	1.10	0.00	47.1	0.0	0.	0.00
281	30.750	32.00	0.0	0.0	0.0	7.72	1.86	0.00	1.86	0.00	1.04	0.07	0.00	1.10	0.00	47.9	0.0	0.	0.00
282	30.500	32.00	0.0	0.0	0.0	7.72	1.89	0.00	1.89	0.00	1.04	0.07	0.00	1.11	0.00	48.6	0.0	0.	0.00
283	30.250	32.00	0.0	0.0	0.0	7.72	1.92	0.00	1.92	0.00	1.04	0.07	0.00	1.11	0.00	49.3	0.0	0.	0.00
284	30.000	32.00	0.0	0.0	0.0	7.72	1.95	0.00	1.95	0.00	1.04	0.07	0.00	1.11	0.00	50.0	0.0	0.	0.00
285	29.750	32.00	0.0	0.0	0.0	7.69	1.96	0.00	1.96	0.00	1.04	0.07	0.00	1.11	0.00	49.8	0.0	0.	0.00
286	29.500	32.00	0.0	0.0	0.0	7.67	1.97	0.00	1.97	0.00	1.04	0.07	0.00	1.11	0.00	49.6	0.0	0.	0.00
287	29.250	32.00	0.0	0.0	0.0	7.64	1.98	0.00	1.98	0.00	1.04	0.07	0.00	1.11	0.00	49.3	0.0	0.	0.00
288	29.000	32.00	0.0	0.0	0.0	7.62	1.99	0.00	1.99	0.00	1.04	0.07	0.00	1.11	0.00	49.1	0.0	0.	0.00
289	28.750	32.00	0.0	0.0	0.0	7.59	2.00	0.00	2.00	0.00	1.04	0.07	0.00	1.11	0.00	48.9	0.0	0.	0.00
290	28.500	32.00	0.0	0.0	0.0	7.57	2.01	0.00	2.01	0.00	1.04	0.07	0.00	1.11	0.00	48.7	0.0	0.	0.00
291	28.250	31.99	0.0	0.0	0.0	7.54	2.01	0.00	2.01	0.00	1.04	0.07	0.00	1.11	0.00	48.5	0.0	0.	0.00
292	28.000	31.99	0.0	0.0	0.0	7.52	2.05	0.00	2.05	0.00	1.04	0.07	0.00	1.11	0.00	48.3	0.0	0.	0.00
293	27.750	31.99	0.0	0.0	0.0	7.49	2.06	0.00	2.06	0.00	1.04	0.07	0.00	1.11	0.00	48.0	0.0	0.	0.00
294	27.500	31.99	0.0	0.0	0.0	7.47	2.06	0.00	2.06	0.00	1.04	0.07	0.00	1.11	0.00	47.8	0.0	0.	0.00
295	27.250	31.99	0.0	0.0	0.0	7.44	2.07	0.00	2.07	0.00	1.04	0.07	0.00	1.11	0.00	47.6	0.0	0.	0.00
296	27.000	31.99	0.0	0.0	0.0	7.42	2.08	0.00	2.08	0.00	1.04	0.07	0.00	1.11	0.00	47.4	0.0	0.	0.00
297	26.750	31.99	0.0	0.0	0.0	7.39	2.09	0.00	2.09	0.00	1.04	0.07	0.00	1.11	0.00	47.2	0.0	0.	0.00
298	26.500	31.99	0.0	0.0	0.0	7.37	2.10	0.00	2.10	0.00	1.04	0.07	0.00	1.11	0.00	47.0	0.0	0.	0.00
299	26.250	31.99	0.0	0.0	0.0	7.35	2.11	0.00	2.11	0.00	1.04	0.07	0.00	1.11	0.00	46.8	0.0	0.	0.00
300	26.000	31.99	0.0	0.0	0.0	7.32	2.11	0.00	2.11	0.00	1.04	0.07	0.00	1.11	0.00	46.5	0.0	0.	0.00
301	25.750	31.99	0.0	0.0	0.0	7.30	2.12	0.00	2.12	0.00	1.04	0.07	0.00	1.11	0.00	46.3	0.0	0.	0.00
302	25.500	31.99	0.0	0.0	0.0	7.28	2.13	0.00	2.13	0.00	1.04	0.07	0.00	1.11	0.00	46.1	0.0	0.	0.00
303	25.250	31.98	0.0	0.0	0.0	7.25	2.14	0.00	2.14	0.00	1.04	0.07	0.00	1.11	0.00	45.9	0.0	0.	0.00
304	25.000	31.98	0.0	0.0	0.0	7.23	2.14	0.00	2.14	0.00	1.04	0.07	0.00	1.11	0.00	45.7	0.0	0.	0.00
305	24.750	31.98	0.0	0.0	0.0	7.21	2.15	0.00	2.15	0.00	1.04	0.07	0.00	1.11	0.00	45.5	0.0	0.	0.00
306	24.500	31.98	0.0	0.0	0.0	7.18	2.16	0.00	2.16	0.00	1.04	0.07	0.00	1.11	0.00	45.2	0.0	0.	0.00
307	24.250	31.98	0.0	0.0	0.0	7.16	2.17	0.00	2.17	0.00	1.04	0.07	0.00	1.11	0.00	45.0	0.0	0.	0.00
308	24.000	31.98	0.0	0.0	0.0	7.14	2.18	0.00	2.18	0.00	1.04	0.07	0.00	1.11	0.00	44.8	0.0	0.	0.00
309	23.750	31.98	0.0	0.0	0.0	7.12	2.18	0.00	2.18	0.00	1.04	0.07	0.00	1.11	0.00	44.6	0.0	0.	0.00

310	23.500	31.98	0.0	0.0	0.0	7.09	2.19	0.00	2.19	0.00	1.04	0.07	0.00	1.11	0.00	44.4	0.0	0.	0.00
311	23.250	31.98	0.0	0.0	0.0	7.07	2.20	0.00	2.20	0.00	1.04	0.07	0.00	1.11	0.00	44.2	0.0	0.	0.00
312	23.000	31.98	0.0	0.0	0.0	7.05	2.22	0.00	2.22	0.00	1.04	0.07	0.00	1.11	0.00	43.9	0.0	0.	0.00
313	22.750	31.98	0.0	0.0	0.0	7.03	2.22	0.00	2.22	0.00	1.04	0.07	0.00	1.11	0.00	43.7	0.0	0.	0.00
314	22.500	31.98	0.0	0.0	0.0	7.01	2.23	0.00	2.23	0.00	1.04	0.07	0.00	1.11	0.00	43.5	0.0	0.	0.00
315	22.250	31.97	0.0	0.0	0.0	6.98	2.24	0.00	2.24	0.00	1.04	0.07	0.00	1.11	0.00	43.3	0.0	0.	0.00
316	22.000	31.97	0.0	0.0	0.0	6.96	2.25	0.00	2.25	0.00	1.04	0.07	0.00	1.11	0.00	43.1	0.0	0.	0.00
317	21.750	31.97	0.0	0.0	0.0	6.94	2.25	0.00	2.25	0.00	1.04	0.07	0.00	1.11	0.00	42.8	0.0	0.	0.00
318	21.500	31.97	0.0	0.0	0.0	6.92	2.26	0.00	2.26	0.00	1.04	0.07	0.00	1.11	0.00	42.6	0.0	0.	0.00
319	21.250	31.97	0.0	0.0	0.0	6.90	2.27	0.00	2.27	0.00	1.04	0.07	0.00	1.11	0.00	42.4	0.0	0.	0.00
320	21.000	31.97	0.0	0.0	0.0	6.88	2.27	0.00	2.27	0.00	1.04	0.07	0.00	1.11	0.00	42.2	0.0	0.	0.00
321	20.750	31.97	0.0	0.0	0.0	6.86	2.28	0.00	2.28	0.00	1.04	0.07	0.00	1.11	0.00	42.0	0.0	0.	0.00
322	20.500	31.97	0.0	0.0	0.0	6.83	2.29	0.00	2.29	0.00	1.04	0.07	0.00	1.11	0.00	41.8	0.0	0.	0.00
323	20.250	31.97	0.0	0.0	0.0	6.81	2.29	0.00	2.29	0.00	1.04	0.07	0.00	1.11	0.00	41.5	0.0	0.	0.00
324	20.000	31.97	0.0	0.0	0.0	6.79	2.30	0.00	2.30	0.00	1.04	0.07	0.00	1.11	0.00	41.3	0.0	0.	0.00
325	19.750	31.97	0.0	0.0	0.0	6.77	2.31	0.00	2.31	0.00	1.04	0.07	0.00	1.11	0.00	41.1	0.0	0.	0.00
326	19.500	31.97	0.0	0.0	0.0	6.75	2.31	0.00	2.31	0.00	1.04	0.07	0.00	1.11	0.00	40.9	0.0	0.	0.00
327	19.250	31.96	0.0	0.0	0.0	6.73	2.32	0.00	2.32	0.00	1.04	0.07	0.00	1.11	0.00	40.7	0.0	0.	0.00
328	19.000	31.96	0.0	0.0	0.0	6.71	2.33	0.00	2.33	0.00	1.04	0.07	0.00	1.11	0.00	40.5	0.0	0.	0.00
329	18.750	31.96	0.0	0.0	0.0	6.69	2.33	0.00	2.33	0.00	1.04	0.07	0.00	1.10	0.00	40.2	0.0	0.	0.00
330	18.500	31.96	0.0	0.0	0.0	6.67	2.34	0.00	2.34	0.00	1.04	0.07	0.00	1.10	0.00	40.0	0.0	0.	0.00
331	18.250	31.96	0.0	0.0	0.0	6.65	2.35	0.00	2.35	0.00	1.04	0.07	0.00	1.11	0.00	39.8	0.0	0.	0.00
332	18.000	31.96	0.0	0.0	0.0	6.63	2.36	0.00	2.36	0.00	1.04	0.07	0.00	1.11	0.00	39.6	0.0	0.	0.00
333	17.750	31.96	0.0	0.0	0.0	6.61	2.36	0.00	2.36	0.00	1.04	0.07	0.00	1.11	0.00	39.4	0.0	0.	0.00
334	17.500	31.96	0.0	0.0	0.0	6.59	2.37	0.00	2.37	0.00	1.04	0.07	0.00	1.10	0.00	39.2	0.0	0.	0.00
335	17.250	31.96	0.0	0.0	0.0	6.57	2.38	0.00	2.38	0.00	1.04	0.07	0.00	1.10	0.00	39.0	0.0	0.	0.00
336	17.000	31.96	0.0	0.0	0.0	6.55	2.38	0.00	2.38	0.00	1.04	0.07	0.00	1.10	0.00	38.7	0.0	0.	0.00
337	16.750	31.96	0.0	0.0	0.0	6.53	2.39	0.00	2.39	0.00	1.04	0.07	0.00	1.10	0.00	38.5	0.0	0.	0.00
338	16.500	31.95	0.0	0.0	0.0	6.51	2.39	0.00	2.39	0.00	1.04	0.07	0.00	1.10	0.00	38.3	0.0	0.	0.00
339	16.250	31.95	0.0	0.0	0.0	6.49	2.41	0.00	2.41	0.00	1.04	0.07	0.00	1.11	0.00	38.1	0.0	0.	0.00
340	16.000	31.95	0.0	0.0	0.0	6.47	2.41	0.00	2.41	0.00	1.04	0.07	0.00	1.11	0.00	37.9	0.0	0.	0.00
341	15.750	31.95	0.0	0.0	0.0	6.45	2.42	0.00	2.42	0.00	1.04	0.07	0.00	1.10	0.00	37.7	0.0	0.	0.00
342	15.500	31.95	0.0	0.0	0.0	6.43	2.42	0.00	2.42	0.00	1.04	0.07	0.00	1.10	0.00	37.4	0.0	0.	0.00
343	15.250	31.95	0.0	0.0	0.0	6.41	2.43	0.00	2.43	0.00	1.04	0.07	0.00	1.10	0.00	37.2	0.0	0.	0.00
344	15.000	31.95	0.0	0.0	0.0	6.40	2.44	0.00	2.44	0.00	1.04	0.07	0.00	1.10	0.00	37.0	0.0	0.	0.00
345	14.750	31.95	0.0	0.0	0.0	6.38	2.44	0.00	2.44	0.00	1.04	0.07	0.00	1.10	0.00	36.8	0.0	0.	0.00
346	14.500	31.95	0.0	0.0	0.0	6.36	2.45	0.00	2.45	0.00	1.04	0.07	0.00	1.10	0.00	36.6	0.0	0.	0.00
347	14.250	31.95	0.0	0.0	0.0	6.34	2.45	0.00	2.45	0.00	1.03	0.07	0.00	1.10	0.00	36.3	0.0	0.	0.00
348	14.000	31.95	0.0	0.0	0.0	6.32	2.46	0.00	2.46	0.00	1.03	0.07	0.00	1.10	0.00	36.1	0.0	0.	0.00
349	13.750	31.95	0.0	0.0	0.0	6.30	2.46	0.00	2.46	0.00	1.03	0.07	0.00	1.10	0.00	35.9	0.0	0.	0.00
350	13.500	31.94	0.0	0.0	0.0	6.28	2.47	0.00	2.47	0.00	1.03	0.07	0.00	1.10	0.00	35.7	0.0	0.	0.00
351	13.250	31.94	0.0	0.0	0.0	6.26	2.48	0.00	2.48	0.00	1.03	0.07	0.00	1.10	0.00	35.5	0.0	0.	0.00
352	13.000	31.94	0.0	0.0	0.0	6.24	2.68	0.00	2.68	0.00	1.05	0.14	0.00	1.19	0.00	35.3	0.0	0.	0.00
353	12.750	31.94	0.0	0.0	0.0	6.21	2.68	0.00	2.68	0.00	1.05	0.14	0.00	1.18	0.00	35.0	0.0	0.	0.00
354	12.500	31.94	0.0	0.0	0.0	6.19	2.69	0.00	2.69	0.00	1.05	0.14	0.00	1.18	0.00	34.8	0.0	0.	0.00
355	12.250	31.94	0.0	0.0	0.0	6.17	2.69	0.00	2.69	0.00	1.05	0.14	0.00	1.18	0.00	34.6	0.0	0.	0.00
356	12.000	31.94	0.0	0.0	0.0	6.15	2.69	0.00	2.69	0.00	1.04	0.14	0.00	1.18	0.00	34.4	0.0	0.	0.00
357	11.750	31.94	0.0	0.0	0.0	6.13	2.70	0.00	2.70	0.00	1.04	0.14	0.00	1.18	0.00	34.2	0.0	0.	0.00
358	11.500	31.94	0.0	0.0	0.0	6.11	2.70	0.00	2.70	0.00	1.04	0.14	0.00	1.18	0.00	34.0	0.0	0.	0.00
359	11.250	31.94	0.0	0.0	0.0	6.08	2.71	0.00	2.71	0.00	1.04	0.13	0.00	1.18	0.00	33.8	0.0	0.	0.00

360	11.000	31.94	0.0	0.0	0.0	6.06	2.71	0.00	2.71	0.00	1.04	0.13	0.00	1.18	0.00	33.5	0.0	0.	0.00
361	10.750	31.94	0.0	0.0	0.0	6.04	2.71	0.00	2.71	0.00	1.04	0.13	0.00	1.18	0.00	33.3	0.0	0.	0.00
362	10.500	31.93	0.0	0.0	0.0	6.02	2.72	0.00	2.72	0.00	1.04	0.13	0.00	1.18	0.00	33.1	0.0	0.	0.00
363	10.250	31.93	0.0	0.0	0.0	6.00	2.72	0.00	2.72	0.00	1.04	0.13	0.00	1.18	0.00	32.9	0.0	0.	0.00
364	10.000	31.93	0.0	0.0	0.0	5.98	2.73	0.00	2.73	0.00	1.04	0.13	0.00	1.18	0.00	32.7	0.0	0.	0.00
365	9.750	31.93	0.0	0.0	0.0	5.96	2.73	0.00	2.73	0.00	1.04	0.13	0.00	1.17	0.00	32.5	0.0	0.	0.00
366	9.500	31.93	0.0	0.0	0.0	5.94	2.73	0.00	2.73	0.00	1.04	0.13	0.00	1.17	0.00	32.2	0.0	0.	0.00
367	9.250	31.93	0.0	0.0	0.0	5.92	2.74	0.00	2.74	0.00	1.04	0.13	0.00	1.17	0.00	32.0	0.0	0.	0.00
368	9.000	31.93	0.0	0.0	0.0	5.90	2.74	0.00	2.74	0.00	1.04	0.13	0.00	1.17	0.00	31.8	0.0	0.	0.00
369	8.750	31.93	0.0	0.0	0.0	5.88	2.75	0.00	2.75	0.00	1.04	0.13	0.00	1.17	0.00	31.6	0.0	0.	0.00
370	8.500	31.93	0.0	0.0	0.0	5.86	2.76	0.00	2.76	0.00	1.04	0.13	0.00	1.17	0.00	31.4	0.0	0.	0.00
371	8.250	31.93	0.0	0.0	0.0	5.84	2.76	0.00	2.76	0.00	1.04	0.13	0.00	1.17	0.00	31.1	0.0	0.	0.00
372	8.000	31.93	0.0	0.0	0.0	5.82	2.76	0.00	2.76	0.00	1.04	0.13	0.00	1.17	0.00	30.9	0.0	0.	0.00
373	7.750	31.93	0.0	0.0	0.0	6.01	2.97	0.00	2.97	0.00	1.06	0.13	0.00	1.19	0.00	30.7	0.0	0.	0.00
374	7.500	31.92	0.0	0.0	0.0	5.99	2.97	0.00	2.97	0.00	1.06	0.13	0.00	1.18	0.00	30.5	0.0	0.	0.00
375	7.250	31.92	0.0	0.0	0.0	5.97	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	30.3	0.0	0.	0.00
376	7.000	31.92	0.0	0.0	0.0	5.94	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	30.1	0.0	0.	0.00
377	6.750	31.92	0.0	0.0	0.0	5.92	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	29.9	0.0	0.	0.00
378	6.500	31.92	0.0	0.0	0.0	5.90	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	29.6	0.0	0.	0.00
379	6.250	31.92	0.0	0.0	0.0	5.88	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	29.4	0.0	0.	0.00
380	6.000	31.92	0.0	0.0	0.0	5.85	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	29.2	0.0	0.	0.00
381	5.750	31.92	0.0	0.0	0.0	5.83	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	29.0	0.0	0.	0.00
382	5.500	31.92	0.0	0.0	0.0	5.81	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	28.8	0.0	0.	0.00
383	5.250	31.92	0.0	0.0	0.0	5.79	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	28.5	0.0	0.	0.00
384	5.000	31.92	0.0	0.0	0.0	5.77	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	28.3	0.0	0.	0.00
385	4.750	31.92	0.0	0.0	0.0	5.75	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.18	0.00	28.1	0.0	0.	0.00
386	4.500	31.91	0.0	0.0	0.0	5.73	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.18	0.00	27.9	0.0	0.	0.00
387	4.250	31.91	0.0	0.0	0.0	5.71	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.18	0.00	27.7	0.0	0.	0.00
388	4.000	31.91	0.0	0.0	0.0	5.69	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.18	0.00	27.5	0.0	0.	0.00
389	3.750	31.91	0.0	0.0	0.0	5.67	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.17	0.00	27.2	0.0	0.	0.00
390	3.500	31.91	0.0	0.0	0.0	5.65	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	27.0	0.0	0.	0.00
391	3.250	31.91	0.0	0.0	0.0	5.62	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	26.8	0.0	0.	0.00
392	3.000	31.91	0.0	0.0	0.0	5.60	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	26.6	0.0	0.	0.00
393	2.750	31.91	0.0	0.0	0.0	5.58	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	26.4	0.0	0.	0.00
394	2.500	31.91	0.0	0.0	0.0	5.57	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	26.2	0.0	0.	0.00
395	2.250	31.91	0.0	0.0	0.0	5.55	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	25.9	0.0	0.	0.00
396	2.000	31.91	0.0	0.0	0.0	5.53	3.02	0.00	3.02	0.00	1.06	0.11	0.00	1.17	0.00	25.7	0.0	0.	0.00
397	1.750	31.91	0.0	0.0	0.0	5.51	3.02	0.00	3.02	0.00	1.06	0.11	0.00	1.17	0.00	25.5	0.0	0.	0.00
398	1.500	31.90	0.0	0.0	0.0	5.49	3.02	0.00	3.02	0.00	1.06	0.11	0.00	1.17	0.00	25.3	0.0	0.	0.00
399	1.250	31.90	0.0	0.0	0.0	5.47	3.02	0.00	3.02	0.00	1.06	0.11	0.00	1.17	0.00	25.1	0.0	0.	0.00
400	1.000	31.90	0.0	0.0	0.0	5.45	3.02	0.00	3.02	0.00	1.05	0.11	0.00	1.17	0.00	24.9	0.0	0.	0.00
401	0.750	31.90	0.0	0.0	0.0	5.16	3.58	0.00	3.58	0.00	1.11	0.12	0.00	1.22	0.00	24.6	0.0	0.	0.00
402	0.500	31.90	0.0	0.0	0.0	5.14	3.59	0.00	3.59	0.00	1.11	0.12	0.00	1.22	0.00	24.4	0.0	0.	0.00
403	0.250	31.90	0.0	0.0	0.0	5.12	3.59	0.00	3.59	0.00	1.11	0.12	0.00	1.22	0.00	24.2	0.0	0.	0.00
404	0.000	31.90	0.0	0.0	0.0	5.11	3.58	0.00	3.58	0.00	1.11	0.12	0.00	1.22	0.00	24.0	0.0	0.	0.00

SPECIAL REPORT: ICWW

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 SETT 1/da	FULL SOD 1/da	CORR SOD *	ORG-N DECAY 1/da	ORG-N SETT *	NH3 DECAY **	NH3 SRCE **	DENIT RATE 1/da	SRCE 1/da	PO4 PROD 1/da	ALG PROD 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM

1	93.750	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
2	93.500	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
3	93.250	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
4	93.000	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
5	92.750	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
6	92.500	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
7	92.250	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
8	92.000	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
9	91.750	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
10	91.500	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
11	91.250	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
12	91.000	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
13	90.750	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
14	90.500	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
15	90.250	7.36	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
16	90.000	7.36	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
17	89.750	7.36	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
18	89.500	7.36	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
19	89.250	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
20	89.000	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
21	88.750	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
22	88.500	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
23	88.250	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
24	88.000	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
25	87.750	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
26	87.500	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
27	87.250	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
28	87.000	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
29	86.750	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
30	86.500	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
31	86.250	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
32	86.000	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
33	85.750	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
34	85.500	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
35	85.250	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
36	85.000	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
37	84.750	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
38	84.500	7.30	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
39	84.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
40	84.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
41	83.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
42	83.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
43	83.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
44	83.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
45	82.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
46	82.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
47	82.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
48	82.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
49	81.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
50	81.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00

51	81.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
52	81.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
53	80.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
54	80.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
55	80.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
56	80.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
57	79.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
58	79.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
59	79.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
60	79.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
61	78.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.29	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
62	78.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
63	78.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
64	78.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
65	77.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
66	77.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
67	77.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
68	77.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
69	76.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
70	76.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
71	76.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
72	76.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
73	75.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
74	75.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
75	75.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
76	75.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
77	74.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
78	74.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
79	74.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
80	74.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
81	73.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
82	73.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
83	73.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
84	73.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
85	72.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
86	72.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
87	72.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
88	72.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
89	71.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
90	71.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
91	71.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
92	71.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
93	70.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
94	70.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
95	70.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
96	70.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
97	69.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
98	69.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
99	69.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
100	69.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00

101	68.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
102	68.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
103	68.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
104	68.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
105	67.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
106	67.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
107	67.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
108	67.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
109	66.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
110	66.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
111	66.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
112	66.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
113	65.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
114	65.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
115	65.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
116	65.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
117	64.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
118	64.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
119	64.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
120	64.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
121	63.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
122	63.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
123	63.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
124	63.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
125	62.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
126	62.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
127	62.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
128	62.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
129	61.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
130	61.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
131	61.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
132	61.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
133	60.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
134	60.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
135	60.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
136	60.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
137	59.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
138	59.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
139	59.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
140	59.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
141	58.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
142	58.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
143	58.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
144	58.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
145	57.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
146	57.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
147	57.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
148	57.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
149	56.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
150	56.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00

151	56.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
152	56.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
153	55.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
154	55.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
155	55.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
156	55.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
157	54.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
158	54.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
159	54.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
160	54.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
161	53.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
162	53.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
163	53.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
164	53.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
165	52.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
166	52.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
167	52.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
168	52.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
169	51.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
170	51.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
171	51.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
172	51.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
173	50.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
174	50.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
175	50.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
176	50.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
177	49.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
178	49.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.28	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
179	49.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.28	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
180	49.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.28	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
181	48.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.29	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
182	48.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
183	48.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
184	48.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
185	47.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
186	47.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
187	47.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
188	47.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
189	46.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
190	46.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
191	46.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
192	46.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
193	45.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
194	45.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
195	45.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
196	45.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
197	44.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
198	44.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
199	44.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
200	44.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00

201	43.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
202	43.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
203	43.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
204	43.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
205	42.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
206	42.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
207	42.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
208	42.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
209	41.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
210	41.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
211	41.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
212	41.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
213	40.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
214	40.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
215	40.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
216	40.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
217	39.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.28	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
218	39.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.28	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
219	39.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.28	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
220	39.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
221	38.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
222	38.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
223	38.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
224	38.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.65	4.65	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
405	37.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
406	37.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
407	37.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
408	37.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
409	36.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
410	36.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
411	36.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
412	36.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
413	35.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
414	35.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
415	35.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
416	35.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
417	34.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
418	34.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
419	34.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
420	34.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
421	33.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
422	33.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
423	33.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
424	33.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
425	32.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
426	32.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
427	32.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
428	32.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
429	31.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
430	31.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00

431	31.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
432	31.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
433	30.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
434	30.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
435	30.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
436	30.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
437	29.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
438	29.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
439	29.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
440	29.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
441	28.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
442	28.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
443	28.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
444	28.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
445	27.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
446	27.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
447	27.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
448	27.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
449	26.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
450	26.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
451	26.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
452	26.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
453	25.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
454	25.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
455	25.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
456	25.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
457	24.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
458	24.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
459	24.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
460	24.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
461	23.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
462	23.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
463	23.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
464	23.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
465	22.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
466	22.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
467	22.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
468	22.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
469	21.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
470	21.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
471	21.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
472	21.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
473	20.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
474	20.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
475	20.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
476	20.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
477	19.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
478	19.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
479	19.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
480	19.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00

481	18.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
482	18.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
483	18.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
484	18.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
485	17.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
486	17.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
487	17.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
488	17.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
489	16.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
490	16.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
491	16.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
492	16.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
493	15.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
494	15.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
495	15.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
496	15.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
497	14.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
498	14.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
499	14.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
500	14.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
501	13.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
502	13.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
503	13.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
504	13.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
505	12.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
506	12.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
507	12.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
508	12.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
509	11.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
510	11.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
511	11.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
512	11.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
513	10.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
514	10.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
515	10.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
516	10.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
517	9.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
518	9.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
519	9.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
520	9.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
521	8.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
522	8.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
523	8.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
524	8.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
525	7.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
526	7.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
527	7.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
528	7.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
529	6.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
530	6.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00

531	6.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
532	6.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
533	5.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
534	5.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
535	5.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
536	5.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
537	4.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
538	4.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
539	4.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
540	4.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
541	3.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
542	3.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
543	3.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
544	3.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
545	2.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
546	2.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
547	2.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
548	2.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
549	1.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
550	1.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
551	1.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
552	1.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
553	0.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
554	0.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
555	0.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
556	0.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00

SPECIAL REPORT: Bayou Black

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 *	BOD#2 DECAY *	ABOD#2 SOD 1/da	FULL SOD 1/da	CORR DECAY *	ORG-N SETT 1/da	ORG-N 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
225	44.750	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.40	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
226	44.500	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.39	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
227	44.250	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
228	44.000	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
229	43.750	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
230	43.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
231	43.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
232	43.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.39	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
233	42.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.39	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
234	42.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.40	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
235	42.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.41	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
236	42.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.41	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
237	41.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
238	41.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
239	41.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
240	41.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
241	40.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
242	40.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.44	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	
243	40.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.44	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	

244	40.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.44	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
245	39.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
246	39.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
247	39.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
248	39.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
249	38.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
250	38.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
251	38.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
252	38.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
253	37.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
254	37.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
255	37.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
256	37.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
257	36.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
258	36.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
259	36.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
260	36.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
261	35.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00
262	35.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
263	35.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
264	35.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
265	34.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
266	34.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00
267	34.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
268	34.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
269	33.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
270	33.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
271	33.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
272	33.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
273	32.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00
274	32.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
275	32.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
276	32.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
277	31.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
278	31.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00
279	31.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
280	31.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00
281	30.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
282	30.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
283	30.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
284	30.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
285	29.750	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00
286	29.500	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
287	29.250	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.00
288	29.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
289	28.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.21	0.00	0.00	0.00	0.00
290	28.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
291	28.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
292	28.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.18	0.00	0.00	0.00	0.00
293	27.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.17	0.00	0.00	0.00	0.00

294	27.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
295	27.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
296	27.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.14	0.00	0.00	0.00	0.00
297	26.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00
298	26.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
299	26.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
300	26.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00
301	25.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
302	25.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
303	25.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00
304	25.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00
305	24.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00
306	24.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00
307	24.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
308	24.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.02	0.00	0.00	0.00	0.00
309	23.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00
310	23.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
311	23.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00
312	23.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00
313	22.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
314	22.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.96	0.00	0.00	0.00	0.00
315	22.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00
316	22.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.94	0.00	0.00	0.00	0.00
317	21.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
318	21.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00
319	21.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00
320	21.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00
321	20.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00
322	20.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.88	0.00	0.00	0.00	0.00
323	20.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
324	20.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00
325	19.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
326	19.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
327	19.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.83	0.00	0.00	0.00	0.00
328	19.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00
329	18.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00
330	18.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
331	18.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00
332	18.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
333	17.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
334	17.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00
335	17.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00
336	17.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
337	16.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00
338	16.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00
339	16.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
340	16.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
341	15.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00
342	15.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00
343	15.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00

344	15.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.67	0.00	0.00	0.00	0.00
345	14.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00
346	14.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
347	14.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
348	14.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.00
349	13.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
350	13.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
351	13.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.60	0.00	0.00	0.00	0.00
352	13.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.59	0.00	0.00	0.00	0.00
353	12.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
354	12.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
355	12.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00
356	12.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
357	11.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00
358	11.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.53	0.00	0.00	0.00	0.00
359	11.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.52	0.00	0.00	0.00	0.00
360	11.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00
361	10.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
362	10.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00
363	10.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
364	10.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00
365	9.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00
366	9.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
367	9.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00
368	9.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
369	8.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
370	8.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
371	8.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
372	8.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
373	7.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
374	7.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
375	7.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
376	7.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
377	6.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
378	6.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
379	6.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
380	6.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
381	5.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
382	5.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
383	5.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
384	5.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
385	4.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
386	4.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
387	4.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
388	4.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
389	3.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
390	3.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
391	3.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
392	3.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
393	2.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00

394	2.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
395	2.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
396	2.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
397	1.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
398	1.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
399	1.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
400	1.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
401	0.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
402	0.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00
403	0.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
404	0.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00

FINAL REPORT ICWW LA-QUAL Baseline for Gulf ICWW and Bayou Black

REACH NO. 1 Gulf ICWW

********** 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
1	HDWTR	0.65100	30.60	0.00	0.00	0.00	6.70	3.70	0.00	3.70	0.00	1.30	0.10	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.02632	30.00	0.00	0.00	0.00	7.22	6.67	0.00			1.40	0.10	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	94.00	93.75	0.67732	0.0	0.00040	7.25	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
2	93.75	93.50	0.70363	0.0	0.00041	6.98	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
3	93.50	93.25	0.72995	0.0	0.00043	6.73	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
4	93.25	93.00	0.75626	0.0	0.00045	6.49	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
5	93.00	92.75	0.78258	0.0	0.00046	6.28	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
6	92.75	92.50	0.80889	0.0	0.00048	6.07	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
7	92.50	92.25	0.83521	0.0	0.00049	5.88	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.000
8	92.25	92.00	0.86153	0.0	0.00051	5.70	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
9	92.00	91.75	0.88784	0.0	0.00052	5.53	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
10	91.75	91.50	0.91416	0.0	0.00054	5.37	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
11	91.50	91.25	0.94047	0.0	0.00055	5.22	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
12	91.25	91.00	0.96679	0.0	0.00057	5.08	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
13	91.00	90.75	0.99311	0.0	0.00059	4.94	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
14	90.75	90.50	1.01942	0.0	0.00060	4.82	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
15	90.50	90.25	1.04574	0.0	0.00062	4.70	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
16	90.25	90.00	1.07205	0.0	0.00063	4.58	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
17	90.00	89.75	1.09837	0.0	0.00065	4.47	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
18	89.75	89.50	1.12468	0.0	0.00066	4.37	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
19	89.50	89.25	1.15100	0.0	0.00068	4.27	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
20	89.25	89.00	1.17732	0.0	0.00069	4.17	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
21	89.00	88.75	1.20363	0.0	0.00071	4.08	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
22	88.75	88.50	1.22995	0.0	0.00072	3.99	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
23	88.50	88.25	1.25626	0.0	0.00074	3.91	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
24	88.25	88.00	1.28258	0.0	0.00076	3.83	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
25	88.00	87.75	1.30890	0.0	0.00077	3.75	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
26	87.75	87.50	1.33521	0.0	0.00079	3.68	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
27	87.50	87.25	1.36153	0.0	0.00080	3.61	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
28	87.25	87.00	1.38784	0.0	0.00082	3.54	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001

29	87.00	86.75	1.41416	0.0	0.00083	3.47	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
30	86.75	86.50	1.44047	0.0	0.00085	3.41	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
31	86.50	86.25	1.46679	0.0	0.00086	3.35	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
32	86.25	86.00	1.49311	0.0	0.00088	3.29	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
33	86.00	85.75	1.51942	0.0	0.00090	3.23	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
34	85.75	85.50	1.54574	0.0	0.00091	3.18	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
35	85.50	85.25	1.57205	0.0	0.00093	3.12	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
36	85.25	85.00	1.59837	0.0	0.00094	3.07	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
37	85.00	84.75	1.62468	0.0	0.00096	3.02	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
38	84.75	84.50	1.65100	0.0	0.00097	2.97	9.30	182.49	424289.28	45622.50	1697.16	0.00	0.000	0.900	0.001
TOT					171.40			16122990.00	1733655.00						
AVG				0.0006			9.30	182.49			1697.16				
CUM					171.40										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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		
1	93.750	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
2	93.500	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
3	93.250	7.40	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.03	2.03	2.03	0.02	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
4	93.000	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
5	92.750	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
6	92.500	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
7	92.250	7.39	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.04	2.04	2.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
8	92.000	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
9	91.750	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
10	91.500	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
11	91.250	7.38	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.05	2.05	2.05	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
12	91.000	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
13	90.750	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
14	90.500	7.37	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.06	2.06	2.06	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
15	90.250	7.36	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
16	90.000	7.36	0.09	0.25	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
17	89.750	7.36	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	
18	89.500	7.36	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
19	89.250	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
20	89.000	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
21	88.750	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
22	88.500	7.35	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.08	2.08	2.08	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
23	88.250	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
24	88.000	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
25	87.750	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.09	2.09	2.09	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
26	87.500	7.34	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
27	87.250	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
28	87.000	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
29	86.750	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.10	2.10	2.10	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
30	86.500	7.33	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
31	86.250	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
32	86.000	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
33	85.750	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	

34	85.500	7.32	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
35	85.250	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
36	85.000	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.12	2.12	2.12	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
37	84.750	7.31	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
38	84.500	7.30	0.09	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.08	0.15	0.00	0.00	0.00	0.00	0.00	1.00			0.02	0.00	0.13	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/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/m³	PHOS #/100mL	CHL A	MACRO	COLI	NCM
1	93.750	31.22	0.00	0.00	0.00	6.47	2.55	0.00	2.55	0.00	1.30	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
2	93.500	31.24	0.00	0.00	0.00	6.47	2.47	0.00	2.47	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
3	93.250	31.26	0.00	0.00	0.00	6.49	2.42	0.00	2.42	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
4	93.000	31.28	0.00	0.00	0.00	6.51	2.38	0.00	2.38	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
5	92.750	31.31	0.00	0.00	0.00	6.53	2.36	0.00	2.36	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
6	92.500	31.33	0.00	0.00	0.00	6.55	2.34	0.00	2.34	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
7	92.250	31.35	0.00	0.00	0.00	6.58	2.33	0.00	2.33	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
8	92.000	31.37	0.00	0.00	0.00	6.59	2.32	0.00	2.32	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
9	91.750	31.39	0.00	0.00	0.00	6.61	2.31	0.00	2.31	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
10	91.500	31.41	0.00	0.00	0.00	6.63	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
11	91.250	31.43	0.00	0.00	0.00	6.64	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
12	91.000	31.45	0.00	0.00	0.00	6.65	2.30	0.00	2.30	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
13	90.750	31.47	0.00	0.00	0.00	6.66	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
14	90.500	31.49	0.00	0.00	0.00	6.67	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
15	90.250	31.52	0.00	0.00	0.00	6.68	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
16	90.000	31.54	0.00	0.00	0.00	6.69	2.29	0.00	2.29	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
17	89.750	31.56	0.00	0.00	0.00	6.69	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
18	89.500	31.58	0.00	0.00	0.00	6.70	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
19	89.250	31.60	0.00	0.00	0.00	6.70	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
20	89.000	31.62	0.00	0.00	0.00	6.70	2.28	0.00	2.28	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
21	88.750	31.64	0.00	0.00	0.00	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
22	88.500	31.66	0.00	0.00	0.00	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
23	88.250	31.68	0.00	0.00	0.00	6.71	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
24	88.000	31.71	0.00	0.00	0.00	6.70	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.42	0.00	20.00	0.00	0.	0.00
25	87.750	31.73	0.00	0.00	0.00	6.70	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
26	87.500	31.75	0.00	0.00	0.00	6.69	2.27	0.00	2.27	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
27	87.250	31.77	0.00	0.00	0.00	6.68	2.26	0.00	2.26	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
28	87.000	31.79	0.00	0.00	0.00	6.66	2.26	0.00	2.26	0.00	1.31	0.12	0.00	1.43	0.00	20.00	0.00	0.	0.00
29	86.750	31.81	0.00	0.00	0.00	6.62	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.44	0.00	20.00	0.00	0.	0.00
30	86.500	31.83	0.00	0.00	0.00	6.58	2.27	0.00	2.27	0.00	1.32	0.12	0.00	1.44	0.00	20.00	0.00	0.	0.00
31	86.250	31.85	0.00	0.00	0.00	6.52	2.28	0.00	2.28	0.00	1.33	0.12	0.00	1.45	0.00	20.00	0.00	0.	0.00
32	86.000	31.87	0.00	0.00	0.00	6.43	2.30	0.00	2.30	0.00	1.34	0.12	0.00	1.46	0.00	20.00	0.00	0.	0.00
33	85.750	31.89	0.00	0.00	0.00	6.30	2.33	0.00	2.33	0.00	1.35	0.12	0.00	1.47	0.00	20.00	0.00	0.	0.00
34	85.500	31.92	0.00	0.00	0.00	6.13	2.39	0.00	2.39	0.00	1.36	0.12	0.00	1.49	0.00	20.00	0.00	0.	0.00
35	85.250	31.94	0.00	0.00	0.00	5.91	2.50	0.00	2.50	0.00	1.39	0.12	0.00	1.51	0.00	20.00	0.00	0.	0.00
36	85.000	31.96	0.00	0.00	0.00	5.61	2.69	0.00	2.69	0.00	1.41	0.12	0.00	1.54	0.00	20.00	0.00	0.	0.00
37	84.750	31.98	0.00	0.00	0.00	5.24	3.03	0.00	3.03	0.00	1.45	0.12	0.00	1.58	0.00	20.00	0.00	0.	0.00
38	84.500	32.00	0.00	0.00	0.00	4.82	3.62	0.00	3.62	0.00	1.51	0.12	0.00	1.62	0.00	20.00	0.00	0.	0.00

FINAL REPORT ICWW LA-QUAL Baseline for Gulf ICWW and Bayou Black
REACH NO. 2 Gulf ICWW

********** 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
39	UPR RCH	1.65100	32.00	0.00	0.00	0.00	4.82	3.62	0.00	3.62	0.00	1.51	0.12	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.01644	30.00	0.00	0.00	0.00	7.22	6.67	0.00			1.40	0.10	0.00	0.00	0.00	0.00	
39	WSTLD	48.61291	30.00	0.00	0.00	0.00	4.40	5.00	0.00	5.00	0.00	1.60	0.10	0.00	0.00	0.00	0.00	0.00
57	WSTLD	-61.60840	32.04	0.00	0.00	0.00	4.35	3.28	0.00	3.28	0.00	1.41	0.12	0.00	0.00	20.00	0.00	0.00
89	WSTLD	1.65157	30.00	0.00	0.00	0.00	6.60	6.20	0.00	6.20	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 m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	PRISM m³	VELO m/s	TIDAL VELO m²/s	TIDAL m/s	DISPRSN	MEAN
39	84.50	84.25	50.28035	96.7	0.01802	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
40	84.25	84.00	50.29679	96.7	0.01802	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
41	84.00	83.75	50.31324	96.6	0.01803	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
42	83.75	83.50	50.32968	96.6	0.01803	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
43	83.50	83.25	50.34612	96.6	0.01804	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
44	83.25	83.00	50.36256	96.5	0.01804	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
45	83.00	82.75	50.37900	96.5	0.01805	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
46	82.75	82.50	50.39544	96.5	0.01806	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
47	82.50	82.25	50.41188	96.4	0.01806	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
48	82.25	82.00	50.42833	96.4	0.01807	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
49	82.00	81.75	50.44477	96.4	0.01807	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
50	81.75	81.50	50.46121	96.3	0.01808	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
51	81.50	81.25	50.47765	96.3	0.01809	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
52	81.25	81.00	50.49409	96.3	0.01809	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
53	81.00	80.75	50.51053	96.2	0.01810	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
54	80.75	80.50	50.52697	96.2	0.01810	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
55	80.50	80.25	50.54342	96.2	0.01811	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
56	80.25	80.00	50.55986	96.1	0.01812	0.16	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.018		
57	80.00	79.75	-11.03210	96.1	-0.00395	-0.73	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
58	79.75	79.50	-11.01566	96.3	-0.00395	-0.73	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
59	79.50	79.25	-10.99922	96.4	-0.00394	-0.73	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
60	79.25	79.00	-10.98277	96.5	-0.00394	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
61	79.00	78.75	-10.96633	96.7	-0.00393	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
62	78.75	78.50	-10.94989	96.8	-0.00392	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
63	78.50	78.25	-10.93345	97.0	-0.00392	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
64	78.25	78.00	-10.91700	97.1	-0.00391	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
65	78.00	77.75	-10.90056	97.3	-0.00391	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
66	77.75	77.50	-10.88412	97.4	-0.00390	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
67	77.50	77.25	-10.86768	97.6	-0.00389	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
68	77.25	77.00	-10.85124	97.7	-0.00389	-0.74	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
69	77.00	76.75	-10.83479	97.9	-0.00388	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
70	76.75	76.50	-10.81835	98.0	-0.00388	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
71	76.50	76.25	-10.80191	98.2	-0.00387	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
72	76.25	76.00	-10.78547	98.3	-0.00386	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
73	76.00	75.75	-10.76902	98.5	-0.00386	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
74	75.75	75.50	-10.75258	98.6	-0.00385	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
75	75.50	75.25	-10.73614	98.8	-0.00385	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		
76	75.25	75.00	-10.71970	98.9	-0.00384	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004		

77	75.00	74.75	-10.70325	99.1	-0.00383	-0.75	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
78	74.75	74.50	-10.68681	99.2	-0.00383	-0.76	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
79	74.50	74.25	-10.67037	99.4	-0.00382	-0.76	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
80	74.25	74.00	-10.65393	99.5	-0.00382	-0.76	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
81	74.00	73.75	-10.63749	99.7	-0.00381	-0.76	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
82	73.75	73.50	-10.62104	99.8	-0.00381	-0.76	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
83	73.50	73.25	-10.60460	100.0	-0.00380	-0.76	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
84	73.25	73.00	-10.58816	100.1	-0.00379	-0.76	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
85	73.00	72.75	-10.57172	100.3	-0.00379	-0.76	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
86	72.75	72.50	-10.55527	100.5	-0.00378	-0.77	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
87	72.50	72.25	-10.53883	100.6	-0.00378	-0.77	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
88	72.25	72.00	-10.52239	100.8	-0.00377	-0.77	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.004
89	72.00	71.75	-8.85438	101.1	-0.00317	-0.91	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.003
90	71.75	71.50	-8.83793	101.3	-0.00317	-0.91	13.35	209.06	697737.75	52265.00	2790.95	0.00	0.000	0.500	0.003
TOT					-22.93			36282368.00	2717780.00						
AVG					-0.0066		13.35	209.06			2790.95				
CUM					148.47										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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	
39	84.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
40	84.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
41	83.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
42	83.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
43	83.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
44	83.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
45	82.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
46	82.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
47	82.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
48	82.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
49	81.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
50	81.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
51	81.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
52	81.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
53	80.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
54	80.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
55	80.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
56	80.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.25	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
57	79.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
58	79.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
59	79.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
60	79.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
61	78.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.29	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
62	78.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
63	78.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
64	78.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
65	77.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
66	77.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
67	77.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	

68	77.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
69	76.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
70	76.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
71	76.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
72	76.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
73	75.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
74	75.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
75	75.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
76	75.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
77	74.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
78	74.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
79	74.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
80	74.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
81	73.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.28	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
82	73.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
83	73.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
84	73.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
85	72.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
86	72.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
87	72.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
88	72.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
89	71.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
90	71.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	2.14	2.14	2.14	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.05	0.15	0.00	0.00	0.00	0.00	0.00	1.00			0.02	0.00	0.13	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
39	84.250	32.00	0.00	0.00	0.00	4.39	4.72	0.00	4.72	0.00	1.58	0.10	0.00	1.69	0.00	20.00	0.00	0.	0.00	
40	84.000	32.00	0.00	0.00	0.00	4.33	4.62	0.00	4.62	0.00	1.58	0.11	0.00	1.69	0.00	20.00	0.00	0.	0.00	
41	83.750	32.01	0.00	0.00	0.00	4.27	4.53	0.00	4.53	0.00	1.58	0.11	0.00	1.68	0.00	20.00	0.00	0.	0.00	
42	83.500	32.01	0.00	0.00	0.00	4.22	4.44	0.00	4.44	0.00	1.57	0.11	0.00	1.68	0.00	20.00	0.00	0.	0.00	
43	83.250	32.01	0.00	0.00	0.00	4.17	4.36	0.00	4.36	0.00	1.57	0.11	0.00	1.68	0.00	20.00	0.00	0.	0.00	
44	83.000	32.01	0.00	0.00	0.00	4.13	4.28	0.00	4.28	0.00	1.56	0.11	0.00	1.68	0.00	20.00	0.00	0.	0.00	
45	82.750	32.01	0.00	0.00	0.00	4.09	4.20	0.00	4.20	0.00	1.56	0.12	0.00	1.68	0.00	20.00	0.00	0.	0.00	
46	82.500	32.02	0.00	0.00	0.00	4.05	4.13	0.00	4.13	0.00	1.56	0.12	0.00	1.67	0.00	20.00	0.00	0.	0.00	
47	82.250	32.02	0.00	0.00	0.00	4.01	4.06	0.00	4.06	0.00	1.55	0.12	0.00	1.67	0.00	20.00	0.00	0.	0.00	
48	82.000	32.02	0.00	0.00	0.00	3.98	3.99	0.00	3.99	0.00	1.55	0.12	0.00	1.67	0.00	20.00	0.00	0.	0.00	
49	81.750	32.02	0.00	0.00	0.00	3.95	3.92	0.00	3.92	0.00	1.55	0.12	0.00	1.67	0.00	20.00	0.00	0.	0.00	
50	81.500	32.02	0.00	0.00	0.00	3.92	3.86	0.00	3.86	0.00	1.54	0.12	0.00	1.66	0.00	20.00	0.00	0.	0.00	
51	81.250	32.03	0.00	0.00	0.00	3.90	3.80	0.00	3.80	0.00	1.54	0.12	0.00	1.66	0.00	20.00	0.00	0.	0.00	
52	81.000	32.03	0.00	0.00	0.00	3.88	3.74	0.00	3.74	0.00	1.54	0.12	0.00	1.66	0.00	20.00	0.00	0.	0.00	
53	80.750	32.03	0.00	0.00	0.00	3.86	3.69	0.00	3.69	0.00	1.53	0.13	0.00	1.66	0.00	20.00	0.00	0.	0.00	
54	80.500	32.03	0.00	0.00	0.00	3.84	3.63	0.00	3.63	0.00	1.53	0.13	0.00	1.65	0.00	20.00	0.00	0.	0.00	
55	80.250	32.03	0.00	0.00	0.00	3.83	3.58	0.00	3.58	0.00	1.52	0.13	0.00	1.65	0.00	20.00	0.00	0.	0.00	
56	80.000	32.03	0.00	0.00	0.00	3.87	3.52	0.00	3.52	0.00	1.51	0.13	0.00	1.64	0.00	20.00	0.00	0.	0.00	
57	79.750	32.04	0.00	0.00	0.00	4.35	3.28	0.00	3.28	0.00	1.41	0.12	0.00	1.53	0.00	20.00	0.00	0.	0.00	
58	79.500	32.04	0.00	0.00	0.00	5.99	2.62	0.00	2.62	0.00	1.08	0.10	0.00	1.18	0.00	20.00	0.00	0.	0.00	
59	79.250	32.04	0.00	0.00	0.00	6.53	2.44	0.00	2.44	0.00	0.98	0.09	0.00	1.07	0.00	20.00	0.00	0.	0.00	
60	79.000	32.04	0.00	0.00	0.00	6.68	2.38	0.00	2.38	0.00	0.95	0.09	0.00	1.03	0.00	20.00	0.00	0.	0.00	

61	78.750	32.04	0.00	0.00	0.00	6.71	2.37	0.00	2.37	0.00	0.94	0.09	0.00	1.03	0.00	20.00	0.00	0.	0.00
62	78.500	32.05	0.00	0.00	0.00	6.69	2.36	0.00	2.36	0.00	0.94	0.09	0.00	1.03	0.00	20.00	0.00	0.	0.00
63	78.250	32.05	0.00	0.00	0.00	6.65	2.36	0.00	2.36	0.00	0.94	0.09	0.00	1.03	0.00	20.00	0.00	0.	0.00
64	78.000	32.05	0.00	0.00	0.00	6.61	2.36	0.00	2.36	0.00	0.95	0.09	0.00	1.04	0.00	20.00	0.00	0.	0.00
65	77.750	32.05	0.00	0.00	0.00	6.56	2.36	0.00	2.36	0.00	0.95	0.09	0.00	1.04	0.00	20.00	0.00	0.	0.00
66	77.500	32.05	0.00	0.00	0.00	6.51	2.37	0.00	2.37	0.00	0.96	0.09	0.00	1.05	0.00	20.00	0.00	0.	0.00
67	77.250	32.06	0.00	0.00	0.00	6.46	2.37	0.00	2.37	0.00	0.96	0.09	0.00	1.05	0.00	20.00	0.00	0.	0.00
68	77.000	32.06	0.00	0.00	0.00	6.41	2.37	0.00	2.37	0.00	0.97	0.09	0.00	1.06	0.00	20.00	0.00	0.	0.00
69	76.750	32.06	0.00	0.00	0.00	6.35	2.37	0.00	2.37	0.00	0.97	0.09	0.00	1.06	0.00	20.00	0.00	0.	0.00
70	76.500	32.06	0.00	0.00	0.00	6.29	2.37	0.00	2.37	0.00	0.98	0.09	0.00	1.07	0.00	20.00	0.00	0.	0.00
71	76.250	32.06	0.00	0.00	0.00	6.23	2.38	0.00	2.38	0.00	0.98	0.09	0.00	1.08	0.00	20.00	0.00	0.	0.00
72	76.000	32.07	0.00	0.00	0.00	6.17	2.38	0.00	2.38	0.00	0.99	0.09	0.00	1.08	0.00	20.00	0.00	0.	0.00
73	75.750	32.07	0.00	0.00	0.00	6.11	2.39	0.00	2.39	0.00	1.00	0.09	0.00	1.09	0.00	20.00	0.00	0.	0.00
74	75.500	32.07	0.00	0.00	0.00	6.04	2.39	0.00	2.39	0.00	1.00	0.09	0.00	1.10	0.00	20.00	0.00	0.	0.00
75	75.250	32.07	0.00	0.00	0.00	5.98	2.40	0.00	2.40	0.00	1.01	0.10	0.00	1.10	0.00	20.00	0.00	0.	0.00
76	75.000	32.07	0.00	0.00	0.00	5.91	2.41	0.00	2.41	0.00	1.01	0.10	0.00	1.11	0.00	20.00	0.00	0.	0.00
77	74.750	32.08	0.00	0.00	0.00	5.84	2.41	0.00	2.41	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
78	74.500	32.08	0.00	0.00	0.00	5.77	2.43	0.00	2.43	0.00	1.03	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
79	74.250	32.08	0.00	0.00	0.00	5.70	2.44	0.00	2.44	0.00	1.03	0.10	0.00	1.13	0.00	20.00	0.00	0.	0.00
80	74.000	32.08	0.00	0.00	0.00	5.62	2.45	0.00	2.45	0.00	1.04	0.10	0.00	1.14	0.00	20.00	0.00	0.	0.00
81	73.750	32.08	0.00	0.00	0.00	5.55	2.47	0.00	2.47	0.00	1.05	0.10	0.00	1.15	0.00	20.00	0.00	0.	0.00
82	73.500	32.08	0.00	0.00	0.00	5.47	2.49	0.00	2.49	0.00	1.05	0.10	0.00	1.15	0.00	20.00	0.00	0.	0.00
83	73.250	32.09	0.00	0.00	0.00	5.40	2.52	0.00	2.52	0.00	1.06	0.10	0.00	1.16	0.00	20.00	0.00	0.	0.00
84	73.000	32.09	0.00	0.00	0.00	5.33	2.55	0.00	2.55	0.00	1.07	0.10	0.00	1.17	0.00	20.00	0.00	0.	0.00
85	72.750	32.09	0.00	0.00	0.00	5.26	2.59	0.00	2.59	0.00	1.08	0.10	0.00	1.18	0.00	20.00	0.00	0.	0.00
86	72.500	32.09	0.00	0.00	0.00	5.19	2.63	0.00	2.63	0.00	1.08	0.10	0.00	1.19	0.00	20.00	0.00	0.	0.00
87	72.250	32.09	0.00	0.00	0.00	5.13	2.68	0.00	2.68	0.00	1.09	0.10	0.00	1.19	0.00	20.00	0.00	0.	0.00
88	72.000	32.10	0.00	0.00	0.00	5.07	2.75	0.00	2.75	0.00	1.10	0.10	0.00	1.20	0.00	20.00	0.00	0.	0.00
89	71.750	32.10	0.00	0.00	0.00	5.02	2.82	0.00	2.82	0.00	1.11	0.10	0.00	1.21	0.00	20.00	0.00	0.	0.00
90	71.500	32.10	0.00	0.00	0.00	4.80	2.53	0.00	2.53	0.00	1.08	0.10	0.00	1.19	0.00	20.00	0.00	0.	0.00

FINAL REPORT ICWW LA-QUAL Baseline for Gulf ICWW and Bayou Black

REACH NO. 3 Gulf ICWW

********** 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
91	UPR RCH	-8.83793	32.10	0.00	0.00	0.00	4.80	2.53	0.00	2.53	0.00	1.08	0.10	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.01645	30.00	0.00	0.00	0.00	7.22	6.67	0.00			1.40	0.10	0.00	0.00	0.00	0.00	
117	WSTLD	5.40773	30.00	0.00	0.00	0.00	6.60	6.20	0.00	6.20	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 m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
91	71.50	71.25	-8.82149	101.5	-0.00175	-1.66	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002
92	71.25	71.00	-8.80504	101.7	-0.00174	-1.66	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002
93	71.00	70.75	-8.78859	101.9	-0.00174	-1.66	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002
94	70.75	70.50	-8.77215	102.1	-0.00174	-1.67	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002
95	70.50	70.25	-8.75570	102.2	-0.00173	-1.67	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002
96	70.25	70.00	-8.73925	102.4	-0.00173	-1.67	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002
97	70.00	69.75	-8.72281	102.6	-0.00173	-1.67	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002
98	69.75	69.50	-8.70636	102.8	-0.00172	-1.68	12.77	395.30	1261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002

99	69.50	69.25	-8.68991	103.0	-0.00172	-1.68	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
100	69.25	69.00	-8.67346	103.2	-0.00172	-1.68	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
101	69.00	68.75	-8.65702	103.4	-0.00171	-1.69	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
102	68.75	68.50	-8.64057	103.6	-0.00171	-1.69	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
103	68.50	68.25	-8.62412	103.8	-0.00171	-1.69	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
104	68.25	68.00	-8.60768	104.0	-0.00171	-1.70	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
105	68.00	67.75	-8.59123	104.2	-0.00170	-1.70	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
106	67.75	67.50	-8.57478	104.4	-0.00170	-1.70	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
107	67.50	67.25	-8.55833	104.6	-0.00170	-1.71	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
108	67.25	67.00	-8.54189	104.8	-0.00169	-1.71	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
109	67.00	66.75	-8.52544	105.0	-0.00169	-1.71	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
110	66.75	66.50	-8.50899	105.2	-0.00169	-1.72	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
111	66.50	66.25	-8.49255	105.4	-0.00168	-1.72	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
112	66.25	66.00	-8.47610	105.6	-0.00168	-1.72	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
113	66.00	65.75	-8.45965	105.8	-0.00168	-1.73	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
114	65.75	65.50	-8.44320	106.0	-0.00167	-1.73	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
115	65.50	65.25	-8.42676	106.2	-0.00167	-1.73	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
116	65.25	65.00	-8.41031	106.4	-0.00167	-1.74	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.002									
117	65.00	64.75	-2.98613	118.7	-0.00059	-4.89	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
118	64.75	64.50	-2.96969	119.4	-0.00059	-4.92	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
119	64.50	64.25	-2.95324	120.0	-0.00059	-4.95	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
120	64.25	64.00	-2.93679	120.7	-0.00058	-4.97	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
121	64.00	63.75	-2.92034	121.4	-0.00058	-5.00	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
122	63.75	63.50	-2.90390	122.1	-0.00058	-5.03	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
123	63.50	63.25	-2.88745	122.8	-0.00057	-5.06	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
124	63.25	63.00	-2.87100	123.5	-0.00057	-5.09	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
125	63.00	62.75	-2.85456	124.2	-0.00057	-5.12	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
126	62.75	62.50	-2.83811	124.9	-0.00056	-5.15	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
127	62.50	62.25	-2.82166	125.6	-0.00056	-5.18	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
128	62.25	62.00	-2.80521	126.4	-0.00056	-5.21	12.77	395.301261995.25	98825.00	5047.98	0.00	0.000	0.300	0.001									
TOT				-104.64				47955836.00	3755350.00														
AVG				-0.0011			12.77	395.30		5047.98													
CUM				43.83																			

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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		
91	71.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
92	71.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
93	70.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
94	70.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
95	70.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
96	70.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.29	4.29	4.29	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
97	69.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
98	69.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
99	69.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
100	69.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
101	68.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	
102	68.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	

103	68.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.30	4.30	4.30	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
104	68.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
105	67.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
106	67.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
107	67.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
108	67.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
109	66.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
110	66.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.31	4.31	4.31	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
111	66.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
112	66.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
113	65.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
114	65.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
115	65.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.26	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
116	65.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
117	64.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.32	4.32	4.32	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
118	64.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
119	64.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
120	64.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
121	63.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
122	63.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
123	63.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
124	63.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
125	62.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
126	62.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
127	62.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
128	62.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.03	0.00	0.27	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.05	0.15	0.00	0.00	0.00	0.00	0.00	2.00			0.02	0.00	0.13	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
91	71.250	32.11	0.00	0.00	0.00	4.65	2.44	0.00	2.44	0.00	1.08	0.10	0.00	1.18	0.00	20.00	0.00	0.	0.00
92	71.000	32.11	0.00	0.00	0.00	4.59	2.42	0.00	2.42	0.00	1.08	0.10	0.00	1.19	0.00	20.00	0.00	0.	0.00
93	70.750	32.12	0.00	0.00	0.00	4.56	2.41	0.00	2.41	0.00	1.08	0.11	0.00	1.19	0.00	20.00	0.00	0.	0.00
94	70.500	32.12	0.00	0.00	0.00	4.54	2.41	0.00	2.41	0.00	1.09	0.11	0.00	1.19	0.00	20.00	0.00	0.	0.00
95	70.250	32.13	0.00	0.00	0.00	4.52	2.41	0.00	2.41	0.00	1.09	0.11	0.00	1.20	0.00	20.00	0.00	0.	0.00
96	70.000	32.13	0.00	0.00	0.00	4.50	2.41	0.00	2.41	0.00	1.09	0.11	0.00	1.20	0.00	20.00	0.00	0.	0.00
97	69.750	32.14	0.00	0.00	0.00	4.48	2.41	0.00	2.41	0.00	1.10	0.11	0.00	1.20	0.00	20.00	0.00	0.	0.00
98	69.500	32.14	0.00	0.00	0.00	4.45	2.41	0.00	2.41	0.00	1.10	0.11	0.00	1.21	0.00	20.00	0.00	0.	0.00
99	69.250	32.15	0.00	0.00	0.00	4.43	2.41	0.00	2.41	0.00	1.11	0.11	0.00	1.21	0.00	20.00	0.00	0.	0.00
100	69.000	32.15	0.00	0.00	0.00	4.40	2.41	0.00	2.41	0.00	1.11	0.11	0.00	1.22	0.00	20.00	0.00	0.	0.00
101	68.750	32.16	0.00	0.00	0.00	4.37	2.41	0.00	2.41	0.00	1.11	0.11	0.00	1.22	0.00	20.00	0.00	0.	0.00
102	68.500	32.16	0.00	0.00	0.00	4.35	2.41	0.00	2.41	0.00	1.12	0.11	0.00	1.23	0.00	20.00	0.00	0.	0.00
103	68.250	32.17	0.00	0.00	0.00	4.31	2.42	0.00	2.42	0.00	1.12	0.11	0.00	1.24	0.00	20.00	0.00	0.	0.00
104	68.000	32.17	0.00	0.00	0.00	4.28	2.42	0.00	2.42	0.00	1.13	0.11	0.00	1.24	0.00	20.00	0.00	0.	0.00
105	67.750	32.18	0.00	0.00	0.00	4.25	2.43	0.00	2.43	0.00	1.14	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
106	67.500	32.18	0.00	0.00	0.00	4.22	2.44	0.00	2.44	0.00	1.14	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
107	67.250	32.19	0.00	0.00	0.00	4.18	2.45	0.00	2.45	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
108	67.000	32.19	0.00	0.00	0.00	4.15	2.47	0.00	2.47	0.00	1.15	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
109	66.750	32.20	0.00	0.00	0.00	4.13	2.49	0.00	2.49	0.00	1.16	0.11	0.00	1.28	0.00	20.00	0.00	0.	0.00

110	66.500	32.21	0.00	0.00	0.00	4.11	2.53	0.00	2.53	0.00	1.17	0.11	0.00	1.28	0.00	20.00	0.00	0.	0.00
111	66.250	32.21	0.00	0.00	0.00	4.10	2.58	0.00	2.58	0.00	1.18	0.11	0.00	1.29	0.00	20.00	0.00	0.	0.00
112	66.000	32.22	0.00	0.00	0.00	4.10	2.65	0.00	2.65	0.00	1.18	0.11	0.00	1.30	0.00	20.00	0.00	0.	0.00
113	65.750	32.22	0.00	0.00	0.00	4.14	2.74	0.00	2.74	0.00	1.19	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
114	65.500	32.23	0.00	0.00	0.00	4.21	2.87	0.00	2.87	0.00	1.20	0.11	0.00	1.31	0.00	20.00	0.00	0.	0.00
115	65.250	32.23	0.00	0.00	0.00	4.33	3.05	0.00	3.05	0.00	1.21	0.11	0.00	1.32	0.00	20.00	0.00	0.	0.00
116	65.000	32.24	0.00	0.00	0.00	4.54	3.30	0.00	3.30	0.00	1.22	0.11	0.00	1.33	0.00	20.00	0.00	0.	0.00
117	64.750	32.24	0.00	0.00	0.00	4.86	3.65	0.00	3.65	0.00	1.23	0.11	0.00	1.34	0.00	20.00	0.00	0.	0.00
118	64.500	32.25	0.00	0.00	0.00	4.59	2.89	0.00	2.89	0.00	1.14	0.11	0.00	1.25	0.00	20.00	0.00	0.	0.00
119	64.250	32.25	0.00	0.00	0.00	4.60	2.59	0.00	2.59	0.00	1.09	0.10	0.00	1.19	0.00	20.00	0.00	0.	0.00
120	64.000	32.26	0.00	0.00	0.00	4.67	2.47	0.00	2.47	0.00	1.06	0.10	0.00	1.16	0.00	20.00	0.00	0.	0.00
121	63.750	32.26	0.00	0.00	0.00	4.74	2.42	0.00	2.42	0.00	1.04	0.10	0.00	1.14	0.00	20.00	0.00	0.	0.00
122	63.500	32.27	0.00	0.00	0.00	4.79	2.40	0.00	2.40	0.00	1.03	0.10	0.00	1.13	0.00	20.00	0.00	0.	0.00
123	63.250	32.27	0.00	0.00	0.00	4.82	2.39	0.00	2.39	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
124	63.000	32.28	0.00	0.00	0.00	4.84	2.39	0.00	2.39	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
125	62.750	32.28	0.00	0.00	0.00	4.85	2.38	0.00	2.38	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
126	62.500	32.29	0.00	0.00	0.00	4.86	2.38	0.00	2.38	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
127	62.250	32.29	0.00	0.00	0.00	4.86	2.37	0.00	2.37	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00
128	62.000	32.30	0.00	0.00	0.00	4.85	2.35	0.00	2.35	0.00	1.02	0.10	0.00	1.12	0.00	20.00	0.00	0.	0.00

FINAL REPORT ICWW LA-QUAL Baseline for Gulf ICWW and Bayou Black

REACH NO. 4 Gulf ICWW

********** 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 mg/L	PHOS µg/L	CHL A	COLI #/100mL	NCM
129	UPR RCH	-2.80521	32.30	0.00	0.00	0.00	4.85	2.35	0.00	2.35	0.00	1.02	0.10	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.01644	30.00	0.00	0.00	0.00	7.22	6.67	0.00		1.40	0.10	0.00	0.00	0.00	0.00		
181	WSTLD	2.48208	30.00	0.00	0.00	0.00	10.40	7.20	0.00	7.20	0.00	1.40	0.10	0.00	0.00	0.00	0.00	0.00
181	WSTLD	-0.25953	32.08	0.00	0.00	0.00	7.03	4.12	0.00	4.12	0.00	1.30	0.11	0.00	0.00	22.21	0.00	0.00
221	WSTLD	-14.93970	31.91	0.00	0.00	0.00	4.70	3.15	0.00	3.15	0.00	1.11	0.11	0.00	0.00	23.88	0.00	0.00
223	WSTLD	0.00003	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW EFF m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
129	62.00	61.75	-2.78878	127.1	-0.00120	-2.40	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
130	61.75	61.50	-2.77234	127.9	-0.00120	-2.42	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
131	61.50	61.25	-2.75590	128.6	-0.00119	-2.43	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
132	61.25	61.00	-2.73946	129.4	-0.00118	-2.45	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
133	61.00	60.75	-2.72303	130.2	-0.00118	-2.46	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
134	60.75	60.50	-2.70659	131.0	-0.00117	-2.48	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
135	60.50	60.25	-2.69015	131.8	-0.00116	-2.49	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
136	60.25	60.00	-2.67371	132.6	-0.00115	-2.51	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
137	60.00	59.75	-2.65728	133.4	-0.00115	-2.52	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
138	59.75	59.50	-2.64084	134.2	-0.00114	-2.54	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
139	59.50	59.25	-2.62440	135.1	-0.00113	-2.55	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
140	59.25	59.00	-2.60796	135.9	-0.00113	-2.57	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
141	59.00	58.75	-2.59153	136.8	-0.00112	-2.59	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
142	58.75	58.50	-2.57509	137.6	-0.00111	-2.60	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
143	58.50	58.25	-2.55865	138.5	-0.00110	-2.62	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
144	58.25	58.00	-2.54221	139.4	-0.00110	-2.64	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001

145	58.00	57.75	-2.52578	140.3	-0.00109	-2.65	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
146	57.75	57.50	-2.50934	141.3	-0.00108	-2.67	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
147	57.50	57.25	-2.49290	142.2	-0.00108	-2.69	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
148	57.25	57.00	-2.47646	143.1	-0.00107	-2.71	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
149	57.00	56.75	-2.46003	144.1	-0.00106	-2.72	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
150	56.75	56.50	-2.44359	145.1	-0.00106	-2.74	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
151	56.50	56.25	-2.42715	146.0	-0.00105	-2.76	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
152	56.25	56.00	-2.41071	147.0	-0.00104	-2.78	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
153	56.00	55.75	-2.39427	148.0	-0.00103	-2.80	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
154	55.75	55.50	-2.37784	149.1	-0.00103	-2.82	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
155	55.50	55.25	-2.36140	150.1	-0.00102	-2.84	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
156	55.25	55.00	-2.34496	151.2	-0.00101	-2.86	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
157	55.00	54.75	-2.32852	152.2	-0.00101	-2.88	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
158	54.75	54.50	-2.31209	153.3	-0.00100	-2.90	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
159	54.50	54.25	-2.29565	154.4	-0.00099	-2.92	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
160	54.25	54.00	-2.27921	155.5	-0.00098	-2.94	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
161	54.00	53.75	-2.26277	156.6	-0.00098	-2.96	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
162	53.75	53.50	-2.24634	157.8	-0.00097	-2.98	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
163	53.50	53.25	-2.22990	159.0	-0.00096	-3.01	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
164	53.25	53.00	-2.21346	160.1	-0.00096	-3.03	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
165	53.00	52.75	-2.19702	161.3	-0.00095	-3.05	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
166	52.75	52.50	-2.18059	162.5	-0.00094	-3.07	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
167	52.50	52.25	-2.16415	163.8	-0.00093	-3.10	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
168	52.25	52.00	-2.14771	165.0	-0.00093	-3.12	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
169	52.00	51.75	-2.13127	166.3	-0.00092	-3.14	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
170	51.75	51.50	-2.11484	167.6	-0.00091	-3.17	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
171	51.50	51.25	-2.09840	168.9	-0.00091	-3.19	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
172	51.25	51.00	-2.08196	170.2	-0.00090	-3.22	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
173	51.00	50.75	-2.06552	171.6	-0.00089	-3.24	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
174	50.75	50.50	-2.04909	173.0	-0.00088	-3.27	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
175	50.50	50.25	-2.03265	174.4	-0.00088	-3.30	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
176	50.25	50.00	-2.01621	175.8	-0.00087	-3.32	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
177	50.00	49.75	-1.99977	177.2	-0.00086	-3.35	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
178	49.75	49.50	-1.98334	178.7	-0.00086	-3.38	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
179	49.50	49.25	-1.96690	180.2	-0.00085	-3.41	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
180	49.25	49.00	-1.95046	181.7	-0.00084	-3.44	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.001
181	49.00	48.75	0.28853	-193.9	0.00012	23.23	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
182	48.75	48.50	0.30496	-183.4	0.00013	21.98	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
183	48.50	48.25	0.32140	-174.0	0.00014	20.85	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
184	48.25	48.00	0.33784	-165.6	0.00015	19.84	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
185	48.00	47.75	0.35428	-157.9	0.00015	18.92	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
186	47.75	47.50	0.37071	-150.9	0.00016	18.08	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
187	47.50	47.25	0.38715	-144.5	0.00017	17.31	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
188	47.25	47.00	0.40359	-138.6	0.00017	16.61	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
189	47.00	46.75	0.42003	-133.2	0.00018	15.96	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
190	46.75	46.50	0.43646	-128.2	0.00019	15.35	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
191	46.50	46.25	0.45290	-123.5	0.00020	14.80	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
192	46.25	46.00	0.46934	-119.2	0.00020	14.28	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
193	46.00	45.75	0.48578	-115.1	0.00021	13.80	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000
194	45.75	45.50	0.50221	-111.4	0.00022	13.34	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000

195	45.50	45.25	0.51865	-107.8	0.00022	12.92	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
196	45.25	45.00	0.53509	-104.5	0.00023	12.52	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
197	45.00	44.75	0.55153	-101.4	0.00024	12.15	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
198	44.75	44.50	0.56796	-98.5	0.00025	11.80	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
199	44.50	44.25	0.58440	-95.7	0.00025	11.47	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
200	44.25	44.00	0.60084	-93.1	0.00026	11.15	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
201	44.00	43.75	0.61728	-90.6	0.00027	10.86	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
202	43.75	43.50	0.63371	-88.3	0.00027	10.58	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
203	43.50	43.25	0.65015	-86.0	0.00028	10.31	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
204	43.25	43.00	0.66659	-83.9	0.00029	10.05	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
205	43.00	42.75	0.68303	-81.9	0.00029	9.81	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
206	42.75	42.50	0.69946	-80.0	0.00030	9.58	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
207	42.50	42.25	0.71590	-78.1	0.00031	9.36	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
208	42.25	42.00	0.73234	-76.4	0.00032	9.15	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
209	42.00	41.75	0.74878	-74.7	0.00032	8.95	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
210	41.75	41.50	0.76521	-73.1	0.00033	8.76	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
211	41.50	41.25	0.78165	-71.6	0.00034	8.57	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
212	41.25	41.00	0.79809	-70.1	0.00034	8.40	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
213	41.00	40.75	0.81453	-68.7	0.00035	8.23	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
214	40.75	40.50	0.83096	-67.3	0.00036	8.06	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
215	40.50	40.25	0.84740	-66.0	0.00037	7.91	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
216	40.25	40.00	0.86384	-64.7	0.00037	7.76	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
217	40.00	39.75	0.88028	-63.5	0.00038	7.61	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
218	39.75	39.50	0.89671	-62.4	0.00039	7.47	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
219	39.50	39.25	0.91315	-61.3	0.00039	7.34	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
220	39.25	39.00	0.92959	-60.2	0.00040	7.21	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.000							
221	39.00	38.75	-13.99368	-59.1	-0.00604	-0.48	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.006							
222	38.75	38.50	-13.97724	-59.2	-0.00603	-0.48	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.006							
223	38.50	38.25	-13.96077	-59.3	-0.00603	-0.48	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.006							
224	38.25	38.00	-13.94433	-59.3	-0.00602	-0.48	12.19	190.00	579024.94	47500.00	2316.10	0.00	0.000	0.300	0.006							
TOT					341.71			55586332.00	4560000.00													
AVG				0.0008			12.19	190.00			2316.10											
CUM					385.54																	

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

ELEM NO.	ENDING DIST mg/L	SAT D.O.	REAER RATE 1/da	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 *	SRCE **	NH3 RATE **	NH3 SRCE 1/da	DENIT PROD 1/da	PO4 PROD 1/da	ALG DECAY 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM
129	61.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00		
130	61.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00		
131	61.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00		
132	61.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00		
133	60.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00		
134	60.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.77	4.77	4.77	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00		
135	60.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00		
136	60.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00		
137	59.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00		
138	59.500	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00		
139	59.250	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00		
140	59.000	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00		
141	58.750	7.27	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00		

142	58.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.76	4.76	4.76	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
143	58.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
144	58.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
145	57.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00
146	57.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
147	57.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
148	57.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
149	56.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
150	56.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
151	56.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
152	56.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
153	55.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
154	55.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
155	55.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
156	55.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
157	54.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
158	54.500	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
159	54.250	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
160	54.000	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
161	53.750	7.28	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
162	53.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
163	53.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
164	53.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
165	52.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
166	52.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
167	52.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
168	52.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
169	51.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
170	51.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
171	51.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
172	51.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
173	50.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
174	50.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.03	0.00	0.27	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
175	50.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
176	50.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
177	49.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
178	49.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.28	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
179	49.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.28	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
180	49.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.28	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
181	48.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.29	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
182	48.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
183	48.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
184	48.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
185	47.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
186	47.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
187	47.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
188	47.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
189	46.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
190	46.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
191	46.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00

192	46.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
193	45.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
194	45.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
195	45.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
196	45.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
197	44.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
198	44.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
199	44.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
200	44.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
201	43.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
202	43.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
203	43.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
204	43.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
205	42.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
206	42.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
207	42.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
208	42.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
209	41.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
210	41.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
211	41.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
212	41.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
213	40.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
214	40.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
215	40.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
216	40.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.28	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00
217	39.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.28	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
218	39.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.28	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
219	39.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.28	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
220	39.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.27	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
221	38.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
222	38.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
223	38.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
224	38.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	4.65	4.65	4.65	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.06	0.15	0.00	0.00	0.00	0.00	0.00	2.20			0.02	0.00	0.13	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
129	61.750	32.30	0.00	0.00	0.00	4.82	2.32	0.00	2.32	0.00	1.03	0.10	0.00	1.12	0.00	20.04	0.00	0.	0.00
130	61.500	32.29	0.00	0.00	0.00	4.83	2.30	0.00	2.30	0.00	1.03	0.10	0.00	1.13	0.00	20.08	0.00	0.	0.00
131	61.250	32.29	0.00	0.00	0.00	4.84	2.30	0.00	2.30	0.00	1.03	0.10	0.00	1.13	0.00	20.12	0.00	0.	0.00
132	61.000	32.28	0.00	0.00	0.00	4.86	2.29	0.00	2.29	0.00	1.03	0.10	0.00	1.13	0.00	20.17	0.00	0.	0.00
133	60.750	32.28	0.00	0.00	0.00	4.88	2.29	0.00	2.29	0.00	1.03	0.10	0.00	1.13	0.00	20.21	0.00	0.	0.00
134	60.500	32.27	0.00	0.00	0.00	4.91	2.29	0.00	2.29	0.00	1.03	0.10	0.00	1.13	0.00	20.25	0.00	0.	0.00
135	60.250	32.27	0.00	0.00	0.00	4.93	2.29	0.00	2.29	0.00	1.03	0.10	0.00	1.13	0.00	20.29	0.00	0.	0.00
136	60.000	32.27	0.00	0.00	0.00	4.95	2.29	0.00	2.29	0.00	1.04	0.10	0.00	1.13	0.00	20.33	0.00	0.	0.00
137	59.750	32.26	0.00	0.00	0.00	4.97	2.29	0.00	2.29	0.00	1.04	0.10	0.00	1.13	0.00	20.38	0.00	0.	0.00
138	59.500	32.26	0.00	0.00	0.00	4.99	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.13	0.00	20.42	0.00	0.	0.00
139	59.250	32.25	0.00	0.00	0.00	5.02	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.46	0.00	0.	0.00
140	59.000	32.25	0.00	0.00	0.00	5.04	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.50	0.00	0.	0.00

141	58.750	32.25	0.00	0.00	0.00	5.06	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.54	0.00	0.	0.00
142	58.500	32.24	0.00	0.00	0.00	5.08	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.58	0.00	0.	0.00
143	58.250	32.24	0.00	0.00	0.00	5.10	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.62	0.00	0.	0.00
144	58.000	32.23	0.00	0.00	0.00	5.12	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.67	0.00	0.	0.00
145	57.750	32.23	0.00	0.00	0.00	5.14	2.30	0.00	2.30	0.00	1.04	0.10	0.00	1.14	0.00	20.71	0.00	0.	0.00
146	57.500	32.22	0.00	0.00	0.00	5.16	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.14	0.00	20.75	0.00	0.	0.00
147	57.250	32.22	0.00	0.00	0.00	5.18	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.79	0.00	0.	0.00
148	57.000	32.22	0.00	0.00	0.00	5.20	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.83	0.00	0.	0.00
149	56.750	32.21	0.00	0.00	0.00	5.22	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.88	0.00	0.	0.00
150	56.500	32.21	0.00	0.00	0.00	5.24	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.92	0.00	0.	0.00
151	56.250	32.20	0.00	0.00	0.00	5.26	2.30	0.00	2.30	0.00	1.05	0.10	0.00	1.15	0.00	20.96	0.00	0.	0.00
152	56.000	32.20	0.00	0.00	0.00	5.28	2.30	0.00	2.30	0.00	1.06	0.10	0.00	1.16	0.00	21.00	0.00	0.	0.00
153	55.750	32.20	0.00	0.00	0.00	5.30	2.30	0.00	2.30	0.00	1.06	0.10	0.00	1.16	0.00	21.04	0.00	0.	0.00
154	55.500	32.19	0.00	0.00	0.00	5.31	2.30	0.00	2.30	0.00	1.06	0.10	0.00	1.16	0.00	21.08	0.00	0.	0.00
155	55.250	32.19	0.00	0.00	0.00	5.33	2.30	0.00	2.30	0.00	1.06	0.10	0.00	1.16	0.00	21.12	0.00	0.	0.00
156	55.000	32.18	0.00	0.00	0.00	5.34	2.30	0.00	2.30	0.00	1.07	0.10	0.00	1.17	0.00	21.17	0.00	0.	0.00
157	54.750	32.18	0.00	0.00	0.00	5.36	2.30	0.00	2.30	0.00	1.07	0.10	0.00	1.17	0.00	21.21	0.00	0.	0.00
158	54.500	32.17	0.00	0.00	0.00	5.37	2.30	0.00	2.30	0.00	1.07	0.10	0.00	1.17	0.00	21.25	0.00	0.	0.00
159	54.250	32.17	0.00	0.00	0.00	5.39	2.30	0.00	2.30	0.00	1.08	0.10	0.00	1.18	0.00	21.29	0.00	0.	0.00
160	54.000	32.17	0.00	0.00	0.00	5.40	2.30	0.00	2.30	0.00	1.08	0.10	0.00	1.18	0.00	21.33	0.00	0.	0.00
161	53.750	32.16	0.00	0.00	0.00	5.41	2.31	0.00	2.31	0.00	1.08	0.10	0.00	1.19	0.00	21.38	0.00	0.	0.00
162	53.500	32.16	0.00	0.00	0.00	5.42	2.31	0.00	2.31	0.00	1.09	0.10	0.00	1.19	0.00	21.42	0.00	0.	0.00
163	53.250	32.15	0.00	0.00	0.00	5.42	2.31	0.00	2.31	0.00	1.09	0.10	0.00	1.20	0.00	21.46	0.00	0.	0.00
164	53.000	32.15	0.00	0.00	0.00	5.43	2.31	0.00	2.31	0.00	1.10	0.10	0.00	1.20	0.00	21.50	0.00	0.	0.00
165	52.750	32.15	0.00	0.00	0.00	5.43	2.31	0.00	2.31	0.00	1.10	0.10	0.00	1.21	0.00	21.54	0.00	0.	0.00
166	52.500	32.14	0.00	0.00	0.00	5.43	2.31	0.00	2.31	0.00	1.11	0.10	0.00	1.21	0.00	21.58	0.00	0.	0.00
167	52.250	32.14	0.00	0.00	0.00	5.43	2.31	0.00	2.31	0.00	1.12	0.10	0.00	1.22	0.00	21.62	0.00	0.	0.00
168	52.000	32.13	0.00	0.00	0.00	5.43	2.31	0.00	2.31	0.00	1.12	0.11	0.00	1.23	0.00	21.67	0.00	0.	0.00
169	51.750	32.13	0.00	0.00	0.00	5.42	2.32	0.00	2.32	0.00	1.13	0.11	0.00	1.24	0.00	21.71	0.00	0.	0.00
170	51.500	32.12	0.00	0.00	0.00	5.42	2.32	0.00	2.32	0.00	1.14	0.11	0.00	1.25	0.00	21.75	0.00	0.	0.00
171	51.250	32.12	0.00	0.00	0.00	5.41	2.33	0.00	2.33	0.00	1.15	0.11	0.00	1.26	0.00	21.79	0.00	0.	0.00
172	51.000	32.12	0.00	0.00	0.00	5.39	2.34	0.00	2.34	0.00	1.16	0.11	0.00	1.27	0.00	21.83	0.00	0.	0.00
173	50.750	32.11	0.00	0.00	0.00	5.39	2.36	0.00	2.36	0.00	1.17	0.11	0.00	1.28	0.00	21.88	0.00	0.	0.00
174	50.500	32.11	0.00	0.00	0.00	5.38	2.38	0.00	2.38	0.00	1.18	0.11	0.00	1.29	0.00	21.92	0.00	0.	0.00
175	50.250	32.10	0.00	0.00	0.00	5.39	2.43	0.00	2.43	0.00	1.19	0.11	0.00	1.31	0.00	21.96	0.00	0.	0.00
176	50.000	32.10	0.00	0.00	0.00	5.41	2.49	0.00	2.49	0.00	1.21	0.11	0.00	1.32	0.00	22.00	0.00	0.	0.00
177	49.750	32.10	0.00	0.00	0.00	5.48	2.60	0.00	2.60	0.00	1.22	0.11	0.00	1.34	0.00	22.04	0.00	0.	0.00
178	49.500	32.09	0.00	0.00	0.00	5.61	2.76	0.00	2.76	0.00	1.24	0.11	0.00	1.35	0.00	22.08	0.00	0.	0.00
179	49.250	32.09	0.00	0.00	0.00	5.85	3.03	0.00	3.03	0.00	1.26	0.11	0.00	1.37	0.00	22.12	0.00	0.	0.00
180	49.000	32.08	0.00	0.00	0.00	6.29	3.45	0.00	3.45	0.00	1.28	0.11	0.00	1.39	0.00	22.17	0.00	0.	0.00
181	48.750	32.08	0.00	0.00	0.00	7.03	4.12	0.00	4.12	0.00	1.30	0.11	0.00	1.41	0.00	22.21	0.00	0.	0.00
182	48.500	32.08	0.00	0.00	0.00	6.14	3.20	0.00	3.20	0.00	1.25	0.11	0.00	1.36	0.00	22.25	0.00	0.	0.00
183	48.250	32.07	0.00	0.00	0.00	5.81	2.75	0.00	2.75	0.00	1.21	0.11	0.00	1.32	0.00	22.29	0.00	0.	0.00
184	48.000	32.07	0.00	0.00	0.00	5.71	2.53	0.00	2.53	0.00	1.18	0.11	0.00	1.28	0.00	22.33	0.00	0.	0.00
185	47.750	32.06	0.00	0.00	0.00	5.72	2.42	0.00	2.42	0.00	1.15	0.11	0.00	1.26	0.00	22.38	0.00	0.	0.00
186	47.500	32.06	0.00	0.00	0.00	5.78	2.37	0.00	2.37	0.00	1.13	0.10	0.00	1.23	0.00	22.42	0.00	0.	0.00
187	47.250	32.05	0.00	0.00	0.00	5.84	2.34	0.00	2.34	0.00	1.11	0.10	0.00	1.21	0.00	22.46	0.00	0.	0.00
188	47.000	32.05	0.00	0.00	0.00	5.91	2.33	0.00	2.33	0.00	1.10	0.10	0.00	1.20	0.00	22.50	0.00	0.	0.00
189	46.750	32.05	0.00	0.00	0.00	5.97	2.32	0.00	2.32	0.00	1.08	0.10	0.00	1.18	0.00	22.54	0.00	0.	0.00
190	46.500	32.04	0.00	0.00	0.00	6.02	2.32	0.00	2.32	0.00	1.08	0.10	0.00	1.17	0.00	22.58	0.00	0.	0.00

191	46.250	32.04	0.00	0.00	0.00	6.07	2.32	0.00	2.32	0.00	1.07	0.10	0.00	1.17	0.00	22.62	0.00	0.	0.00
192	46.000	32.03	0.00	0.00	0.00	6.12	2.32	0.00	2.32	0.00	1.06	0.10	0.00	1.16	0.00	22.67	0.00	0.	0.00
193	45.750	32.03	0.00	0.00	0.00	6.16	2.32	0.00	2.32	0.00	1.06	0.10	0.00	1.15	0.00	22.71	0.00	0.	0.00
194	45.500	32.02	0.00	0.00	0.00	6.20	2.32	0.00	2.32	0.00	1.05	0.10	0.00	1.15	0.00	22.75	0.00	0.	0.00
195	45.250	32.02	0.00	0.00	0.00	6.23	2.32	0.00	2.32	0.00	1.05	0.10	0.00	1.14	0.00	22.79	0.00	0.	0.00
196	45.000	32.02	0.00	0.00	0.00	6.27	2.32	0.00	2.32	0.00	1.04	0.10	0.00	1.14	0.00	22.83	0.00	0.	0.00
197	44.750	32.01	0.00	0.00	0.00	6.30	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.14	0.00	22.88	0.00	0.	0.00
198	44.500	32.01	0.00	0.00	0.00	6.33	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.13	0.00	22.92	0.00	0.	0.00
199	44.250	32.00	0.00	0.00	0.00	6.36	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.13	0.00	22.96	0.00	0.	0.00
200	44.000	32.00	0.00	0.00	0.00	6.39	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.13	0.00	23.00	0.00	0.	0.00
201	43.750	32.00	0.00	0.00	0.00	6.41	2.32	0.00	2.32	0.00	1.04	0.09	0.00	1.13	0.00	23.04	0.00	0.	0.00
202	43.500	31.99	0.00	0.00	0.00	6.44	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.08	0.00	0.	0.00
203	43.250	31.99	0.00	0.00	0.00	6.47	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.12	0.00	0.	0.00
204	43.000	31.98	0.00	0.00	0.00	6.49	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.17	0.00	0.	0.00
205	42.750	31.98	0.00	0.00	0.00	6.52	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.21	0.00	0.	0.00
206	42.500	31.98	0.00	0.00	0.00	6.54	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.25	0.00	0.	0.00
207	42.250	31.97	0.00	0.00	0.00	6.57	2.32	0.00	2.32	0.00	1.03	0.09	0.00	1.13	0.00	23.29	0.00	0.	0.00
208	42.000	31.97	0.00	0.00	0.00	6.59	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.33	0.00	0.	0.00
209	41.750	31.96	0.00	0.00	0.00	6.61	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.38	0.00	0.	0.00
210	41.500	31.96	0.00	0.00	0.00	6.63	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.42	0.00	0.	0.00
211	41.250	31.95	0.00	0.00	0.00	6.65	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.46	0.00	0.	0.00
212	41.000	31.95	0.00	0.00	0.00	6.66	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.50	0.00	0.	0.00
213	40.750	31.95	0.00	0.00	0.00	6.67	2.33	0.00	2.33	0.00	1.03	0.09	0.00	1.13	0.00	23.54	0.00	0.	0.00
214	40.500	31.94	0.00	0.00	0.00	6.66	2.33	0.00	2.33	0.00	1.04	0.09	0.00	1.13	0.00	23.58	0.00	0.	0.00
215	40.250	31.94	0.00	0.00	0.00	6.63	2.33	0.00	2.33	0.00	1.04	0.09	0.00	1.13	0.00	23.62	0.00	0.	0.00
216	40.000	31.93	0.00	0.00	0.00	6.57	2.34	0.00	2.34	0.00	1.04	0.09	0.00	1.13	0.00	23.67	0.00	0.	0.00
217	39.750	31.93	0.00	0.00	0.00	6.46	2.35	0.00	2.35	0.00	1.05	0.10	0.00	1.14	0.00	23.71	0.00	0.	0.00
218	39.500	31.92	0.00	0.00	0.00	6.26	2.39	0.00	2.39	0.00	1.05	0.10	0.00	1.15	0.00	23.75	0.00	0.	0.00
219	39.250	31.92	0.00	0.00	0.00	5.93	2.47	0.00	2.47	0.00	1.06	0.10	0.00	1.16	0.00	23.79	0.00	0.	0.00
220	39.000	31.92	0.00	0.00	0.00	5.42	2.67	0.00	2.67	0.00	1.08	0.10	0.00	1.19	0.00	23.83	0.00	0.	0.00
221	38.750	31.91	0.00	0.00	0.00	4.70	3.15	0.00	3.15	0.00	1.11	0.11	0.00	1.22	0.00	23.88	0.00	0.	0.00
222	38.500	31.91	0.00	0.00	0.00	4.56	3.34	0.00	3.34	0.00	1.12	0.11	0.00	1.23	0.00	23.92	0.00	0.	0.00
223	38.250	31.90	0.00	0.00	0.00	4.58	3.48	0.00	3.48	0.00	1.12	0.11	0.00	1.23	0.00	23.96	0.00	0.	0.00
224	38.000	31.90	0.00	0.00	0.00	4.64	3.62	0.00	3.62	0.00	1.12	0.11	0.00	1.23	0.00	24.00	0.00	0.	0.00

FINAL REPORT ICWW LA-QUAL Baseline for Gulf ICWW and Bayou Black

REACH NO. 8 Gulf ICWW

********** 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 #/100mL	CHL A	COLI	NCM
405	UPR RCH	-13.94433	31.90	0.00	0.00	0.00	4.64	3.62	0.00	3.62	0.00	1.12	0.11	0.00	0.00	24.00	0.00	0.00
405	TRIB	5.72181	31.90	0.00	0.00	0.00	5.11	3.58	0.00	3.58	0.00	1.11	0.12	0.00	0.00	24.00	0.00	0.00
EACH	INCR	0.02142	30.00	0.00	0.00	0.00	7.22	6.67	0.00			1.40	0.10	0.00	0.00	0.00	0.00	
413	WSTLD	0.47188	30.00	0.00	0.00	0.00	2.30	9.40	0.00	9.40	0.00	1.63	0.14	0.00	0.00	0.00	0.00	0.00
413	WSTLD	-0.59268	31.91	0.00	0.00	0.00	4.37	4.07	0.00	4.07	0.00	1.14	0.11	0.00	0.00	23.82	0.00	0.00
417	WSTLD	0.00002	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00
461	WSTLD	0.00006	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00
467	WSTLD	0.00430	30.00	0.00	0.00	0.00	5.00	70.80	0.00	70.80	0.00	5.13	10.27	2.00	0.00	0.00	0.00	0.00
469	WSTLD	3.60515	30.00	0.00	0.00	0.00	3.89	9.80	0.00	9.80	0.00	1.34	0.10	0.00	0.00	0.00	0.00	0.00
469	WSTLD	-1.72707	31.99	0.00	0.00	0.00	3.50	5.54	0.00	5.54	0.00	1.16	0.11	0.00	0.00	22.72	0.00	0.00
493	WSTLD	0.15100	30.00	0.00	0.00	0.00	3.34	8.70	0.00	8.70	0.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00

525	WSTLD	0.52662	30.00	0.00	0.00	0.00	3.34	8.70	0.00	8.70	0.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	
541	WSTLD	-1.41564	32.08	0.00	0.00	0.00	4.53	3.83	0.00	3.83	0.00	0.49	0.04	0.00	0.00	21.30	0.00	0.00	
549	WSTLD	0.00005	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	AREA m²	AREA m²	VOLUME m³	PRISM m/s	SURFACE VELO m²/s	X-SECT VELO m/s	TIDAL	TIDAL	DISPRSN	MEAN
405	38.00	37.75	-8.20	110-110.2		-0.00411	-0.70	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
406	37.75	37.50	-8.17	968-110.5		-0.00410	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
407	37.50	37.25	-8.15	826-110.8		-0.00409	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
408	37.25	37.00	-8.13	684-111.1		-0.00408	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
409	37.00	36.75	-8.11	541-111.4		-0.00407	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
410	36.75	36.50	-8.09	399-111.7		-0.00406	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
411	36.50	36.25	-8.07	257-112.0		-0.00405	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
412	36.25	36.00	-8.05	115-112.3		-0.00404	-0.72	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
413	36.00	35.75	-8.15	053-125.9		-0.00409	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
414	35.75	35.50	-8.12	911-126.2		-0.00408	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
415	35.50	35.25	-8.10	769-126.5		-0.00407	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
416	35.25	35.00	-8.08	626-126.9		-0.00405	-0.71	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
417	35.00	34.75	-8.06	482-127.2		-0.00404	-0.72	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
418	34.75	34.50	-8.04	340-127.5		-0.00403	-0.72	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
419	34.50	34.25	-8.02	198-127.9		-0.00402	-0.72	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
420	34.25	34.00	-8.00	056-128.2		-0.00401	-0.72	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
421	34.00	33.75	-7.97	914-128.6		-0.00400	-0.72	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
422	33.75	33.50	-7.95	772-128.9		-0.00399	-0.73	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
423	33.50	33.25	-7.93	630-129.3		-0.00398	-0.73	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
424	33.25	33.00	-7.91	488-129.6		-0.00397	-0.73	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
425	33.00	32.75	-7.89	345-130.0		-0.00396	-0.73	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
426	32.75	32.50	-7.87	203-130.3		-0.00395	-0.73	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
427	32.50	32.25	-7.85	061-130.7		-0.00394	-0.74	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
428	32.25	32.00	-7.82	919-131.0		-0.00393	-0.74	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
429	32.00	31.75	-7.80	777-131.4		-0.00392	-0.74	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
430	31.75	31.50	-7.78	635-131.7		-0.00390	-0.74	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
431	31.50	31.25	-7.76	493-132.1		-0.00389	-0.74	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
432	31.25	31.00	-7.74	351-132.5		-0.00388	-0.75	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
433	31.00	30.75	-7.72	209-132.8		-0.00387	-0.75	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
434	30.75	30.50	-7.70	067-133.2		-0.00386	-0.75	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
435	30.50	30.25	-7.67	924-133.6		-0.00385	-0.75	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
436	30.25	30.00	-7.65	782-134.0		-0.00384	-0.75	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
437	30.00	29.75	-7.63	640-134.3		-0.00383	-0.76	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
438	29.75	29.50	-7.61	498-134.7		-0.00382	-0.76	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
439	29.50	29.25	-7.59	356-135.1		-0.00381	-0.76	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
440	29.25	29.00	-7.57	214-135.5		-0.00380	-0.76	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
441	29.00	28.75	-7.55	072-135.9		-0.00379	-0.76	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
442	28.75	28.50	-7.52	930-136.2		-0.00378	-0.77	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
443	28.50	28.25	-7.50	788-136.6		-0.00376	-0.77	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
444	28.25	28.00	-7.48	646-137.0		-0.00375	-0.77	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
445	28.00	27.75	-7.46	503-137.4		-0.00374	-0.77	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
446	27.75	27.50	-7.44	361-137.8		-0.00373	-0.78	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		
447	27.50	27.25	-7.42	219-138.2		-0.00372	-0.78	12.80	155.80	498560.03		38950.00	1994.24	0.00	0.000	0.900	0.004		

448	27.25	27.00	-7.40077	-138.6	-0.00371	-0.78	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
449	27.00	26.75	-7.37935	-139.0	-0.00370	-0.78	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
450	26.75	26.50	-7.35793	-139.4	-0.00369	-0.78	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
451	26.50	26.25	-7.33651	-139.8	-0.00368	-0.79	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
452	26.25	26.00	-7.31509	-140.2	-0.00367	-0.79	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
453	26.00	25.75	-7.29367	-140.6	-0.00366	-0.79	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
454	25.75	25.50	-7.27225	-141.1	-0.00365	-0.79	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
455	25.50	25.25	-7.25083	-141.5	-0.00364	-0.80	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
456	25.25	25.00	-7.22940	-141.9	-0.00363	-0.80	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
457	25.00	24.75	-7.20798	-142.3	-0.00361	-0.80	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
458	24.75	24.50	-7.18656	-142.7	-0.00360	-0.80	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
459	24.50	24.25	-7.16514	-143.2	-0.00359	-0.81	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
460	24.25	24.00	-7.14372	-143.6	-0.00358	-0.81	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
461	24.00	23.75	-7.12224	-144.0	-0.00357	-0.81	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
462	23.75	23.50	-7.10082	-144.5	-0.00356	-0.81	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
463	23.50	23.25	-7.07940	-144.9	-0.00355	-0.82	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
464	23.25	23.00	-7.05798	-145.3	-0.00354	-0.82	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
465	23.00	22.75	-7.03656	-145.8	-0.00353	-0.82	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
466	22.75	22.50	-7.01513	-146.2	-0.00352	-0.82	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
467	22.50	22.25	-6.98941	-146.8	-0.00350	-0.83	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.004
468	22.25	22.00	-6.96799	-147.3	-0.00349	-0.83	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.003
469	22.00	21.75	-5.06849	-415.0	-0.00254	-1.14	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.003
470	21.75	21.50	-5.04707	-416.8	-0.00253	-1.14	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.003
471	21.50	21.25	-5.02565	-418.6	-0.00252	-1.15	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.003
472	21.25	21.00	-5.00423	-420.4	-0.00251	-1.15	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.003
473	21.00	20.75	-4.98281	-422.2	-0.00250	-1.16	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
474	20.75	20.50	-4.96139	-424.0	-0.00249	-1.16	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
475	20.50	20.25	-4.93997	-425.8	-0.00248	-1.17	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
476	20.25	20.00	-4.91855	-427.7	-0.00247	-1.17	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
477	20.00	19.75	-4.89712	-429.6	-0.00246	-1.18	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
478	19.75	19.50	-4.87570	-431.4	-0.00244	-1.18	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
479	19.50	19.25	-4.85428	-433.3	-0.00243	-1.19	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
480	19.25	19.00	-4.83286	-435.3	-0.00242	-1.19	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
481	19.00	18.75	-4.81144	-437.2	-0.00241	-1.20	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
482	18.75	18.50	-4.79002	-439.2	-0.00240	-1.20	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
483	18.50	18.25	-4.76860	-441.1	-0.00239	-1.21	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
484	18.25	18.00	-4.74718	-443.1	-0.00238	-1.22	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
485	18.00	17.75	-4.72576	-445.1	-0.00237	-1.22	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
486	17.75	17.50	-4.70434	-447.2	-0.00236	-1.23	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
487	17.50	17.25	-4.68291	-449.2	-0.00235	-1.23	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
488	17.25	17.00	-4.66149	-451.3	-0.00234	-1.24	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
489	17.00	16.75	-4.64007	-453.3	-0.00233	-1.24	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
490	16.75	16.50	-4.61865	-455.5	-0.00232	-1.25	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
491	16.50	16.25	-4.59723	-457.6	-0.00231	-1.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
492	16.25	16.00	-4.57581	-459.7	-0.00229	-1.26	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
493	16.00	15.75	-4.40339	-481.1	-0.00221	-1.31	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
494	15.75	15.50	-4.38197	-483.5	-0.00220	-1.32	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
495	15.50	15.25	-4.36055	-485.9	-0.00219	-1.32	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
496	15.25	15.00	-4.33913	-488.3	-0.00218	-1.33	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
497	15.00	14.75	-4.31771	-490.7	-0.00217	-1.34	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002

498	14.75	14.50	-4.29628-493.1	-0.00215	-1.34	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
499	14.50	14.25	-4.27486-495.6	-0.00214	-1.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
500	14.25	14.00	-4.25344-498.1	-0.00213	-1.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
501	14.00	13.75	-4.23202-500.6	-0.00212	-1.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
502	13.75	13.50	-4.21060-503.2	-0.00211	-1.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
503	13.50	13.25	-4.18918-505.7	-0.00210	-1.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
504	13.25	13.00	-4.16776-508.3	-0.00209	-1.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
505	13.00	12.75	-4.14634-511.0	-0.00208	-1.39	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
506	12.75	12.50	-4.12492-513.6	-0.00207	-1.40	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
507	12.50	12.25	-4.10350-516.3	-0.00206	-1.41	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
508	12.25	12.00	-4.08207-519.0	-0.00205	-1.41	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
509	12.00	11.75	-4.06065-521.8	-0.00204	-1.42	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
510	11.75	11.50	-4.03923-524.5	-0.00203	-1.43	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
511	11.50	11.25	-4.01781-527.3	-0.00201	-1.44	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
512	11.25	11.00	-3.99639-530.1	-0.00200	-1.44	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
513	11.00	10.75	-3.97497-533.0	-0.00199	-1.45	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
514	10.75	10.50	-3.95355-535.9	-0.00198	-1.46	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
515	10.50	10.25	-3.93213-538.8	-0.00197	-1.47	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
516	10.25	10.00	-3.91071-541.8	-0.00196	-1.48	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
517	10.00	9.75	-3.88929-544.7	-0.00195	-1.48	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
518	9.75	9.50	-3.86787-547.8	-0.00194	-1.49	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
519	9.50	9.25	-3.84644-550.8	-0.00193	-1.50	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
520	9.25	9.00	-3.82502-553.9	-0.00192	-1.51	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
521	9.00	8.75	-3.80360-557.0	-0.00191	-1.52	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
522	8.75	8.50	-3.78218-560.2	-0.00190	-1.53	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
523	8.50	8.25	-3.76076-563.4	-0.00189	-1.53	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
524	8.25	8.00	-3.73934-566.6	-0.00188	-1.54	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
525	8.00	7.75	-3.19130-680.4	-0.00160	-1.81	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
526	7.75	7.50	-3.16988-685.0	-0.00159	-1.82	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
527	7.50	7.25	-3.14846-689.6	-0.00158	-1.83	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
528	7.25	7.00	-3.12704-694.4	-0.00157	-1.85	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
529	7.00	6.75	-3.10561-699.2	-0.00156	-1.86	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
530	6.75	6.50	-3.08419-704.0	-0.00155	-1.87	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
531	6.50	6.25	-3.06277-708.9	-0.00154	-1.88	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
532	6.25	6.00	-3.04135-713.9	-0.00153	-1.90	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
533	6.00	5.75	-3.01993-719.0	-0.00151	-1.91	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
534	5.75	5.50	-2.99851-724.1	-0.00150	-1.92	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
535	5.50	5.25	-2.97709-729.3	-0.00149	-1.94	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.001
536	5.25	5.00	-2.95567-734.6	-0.00148	-1.95	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.001
537	5.00	4.75	-2.93425-740.0	-0.00147	-1.97	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.001
538	4.75	4.50	-2.91283-745.4	-0.00146	-1.98	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.001
539	4.50	4.25	-2.89141-751.0	-0.00145	-2.00	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.001
540	4.25	4.00	-2.86998-756.6	-0.00144	-2.01	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.001
541	4.00	3.75	-4.26420-762.3	-0.00214	-1.35	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
542	3.75	3.50	-4.24278-766.1	-0.00213	-1.36	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
543	3.50	3.25	-4.22136-770.0	-0.00212	-1.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
544	3.25	3.00	-4.19994-773.9	-0.00211	-1.37	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
545	3.00	2.75	-4.17852-777.9	-0.00210	-1.38	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
546	2.75	2.50	-4.15710-781.9	-0.00208	-1.39	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002
547	2.50	2.25	-4.13568-785.9	-0.00207	-1.40	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002

548	2.25	2.00	-4.11426	-790.0	-0.00206	-1.40	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
549	2.00	1.75	-4.09279	-794.2	-0.00205	-1.41	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
550	1.75	1.50	-4.07136	-798.4	-0.00204	-1.42	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
551	1.50	1.25	-4.04994	-802.6	-0.00203	-1.42	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
552	1.25	1.00	-4.02852	-806.9	-0.00202	-1.43	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
553	1.00	0.75	-4.00710	-811.2	-0.00201	-1.44	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
554	0.75	0.50	-3.98568	-815.5	-0.00200	-1.45	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
555	0.50	0.25	-3.96426	-819.9	-0.00199	-1.46	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
556	0.25	0.00	-3.94284	-824.4	-0.00198	-1.46	12.80	155.80	498560.03	38950.00	1994.24	0.00	0.000	0.900	0.002								
TOT				-175.72				75781128.00	5920400.00														
AVG					-0.0025		12.80	155.80			1994.24												
CUM				209.82																			

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

ELEM NO.	ENDING DIST	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#2 SETT *	BOD#2 DECAY *	ABOD#2 SOD *	BKGD SOD *	FULL SOD 1/da	CORR DECAY 1/da	ORGN SETT *	ORGN DECAY **	SRCE **	NH3 RATE 1/da	NH3 SRCE 1/da	DENIT PROD 1/da	PO4 PROD 1/da	ALG DECAY 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM SETT 1/da
405	37.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00		
406	37.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00		
407	37.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00		
408	37.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
409	36.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
410	36.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
411	36.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
412	36.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
413	35.750	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
414	35.500	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
415	35.250	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
416	35.000	7.32	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
417	34.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
418	34.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
419	34.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00		
420	34.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
421	33.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
422	33.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
423	33.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
424	33.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
425	32.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
426	32.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
427	32.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
428	32.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.26	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
429	31.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
430	31.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
431	31.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00		
432	31.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00		
433	30.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00		
434	30.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00		
435	30.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00		
436	30.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00		
437	29.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00		
438	29.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00		

439	29.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
440	29.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
441	28.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
442	28.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
443	28.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
444	28.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
445	27.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
446	27.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
447	27.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
448	27.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
449	26.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
450	26.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
451	26.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
452	26.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
453	25.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
454	25.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
455	25.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
456	25.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
457	24.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
458	24.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
459	24.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
460	24.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
461	23.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
462	23.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
463	23.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
464	23.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
465	22.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
466	22.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
467	22.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
468	22.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
469	21.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.24	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
470	21.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
471	21.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
472	21.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
473	20.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
474	20.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
475	20.250	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
476	20.000	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
477	19.750	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
478	19.500	7.31	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
479	19.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
480	19.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00
481	18.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
482	18.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
483	18.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
484	18.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
485	17.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
486	17.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
487	17.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
488	17.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00

489	16.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
490	16.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
491	16.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
492	16.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
493	15.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
494	15.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
495	15.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
496	15.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
497	14.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
498	14.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
499	14.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
500	14.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
501	13.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
502	13.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
503	13.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
504	13.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
505	12.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
506	12.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
507	12.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
508	12.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
509	11.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
510	11.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
511	11.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
512	11.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
513	10.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
514	10.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
515	10.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
516	10.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
517	9.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
518	9.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
519	9.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
520	9.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
521	8.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
522	8.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
523	8.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
524	8.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
525	7.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
526	7.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
527	7.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
528	7.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
529	6.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
530	6.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
531	6.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
532	6.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
533	5.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
534	5.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
535	5.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
536	5.000	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
537	4.750	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
538	4.500	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00

539	4.250	7.30	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
540	4.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
541	3.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
542	3.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
543	3.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
544	3.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
545	2.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
546	2.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
547	2.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
548	2.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
549	1.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
550	1.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
551	1.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.26	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
552	1.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
553	0.750	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
554	0.500	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
555	0.250	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00
556	0.000	7.29	0.07	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.27	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.05 0.15 0.00 0.00 0.00 0.00 0.00 0.70 0.02 0.00 0.13 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
405	37.750	31.90	0.00	0.00	0.00	4.71	3.77	0.00	3.77	0.00	1.12	0.11	0.00	1.23	0.00	23.98	0.00	0.	0.00
406	37.500	31.90	0.00	0.00	0.00	4.56	3.87	0.00	3.87	0.00	1.13	0.11	0.00	1.24	0.00	23.96	0.00	0.	0.00
407	37.250	31.90	0.00	0.00	0.00	4.48	3.92	0.00	3.92	0.00	1.13	0.11	0.00	1.24	0.00	23.94	0.00	0.	0.00
408	37.000	31.91	0.00	0.00	0.00	4.44	3.95	0.00	3.95	0.00	1.13	0.11	0.00	1.24	0.00	23.92	0.00	0.	0.00
409	36.750	31.91	0.00	0.00	0.00	4.41	3.97	0.00	3.97	0.00	1.13	0.11	0.00	1.24	0.00	23.90	0.00	0.	0.00
410	36.500	31.91	0.00	0.00	0.00	4.39	3.99	0.00	3.99	0.00	1.13	0.11	0.00	1.25	0.00	23.88	0.00	0.	0.00
411	36.250	31.91	0.00	0.00	0.00	4.38	4.01	0.00	4.01	0.00	1.14	0.11	0.00	1.25	0.00	23.86	0.00	0.	0.00
412	36.000	31.91	0.00	0.00	0.00	4.37	4.04	0.00	4.04	0.00	1.14	0.11	0.00	1.25	0.00	23.84	0.00	0.	0.00
413	35.750	31.91	0.00	0.00	0.00	4.37	4.07	0.00	4.07	0.00	1.14	0.11	0.00	1.25	0.00	23.82	0.00	0.	0.00
414	35.500	31.91	0.00	0.00	0.00	4.44	3.94	0.00	3.94	0.00	1.12	0.11	0.00	1.23	0.00	23.80	0.00	0.	0.00
415	35.250	31.91	0.00	0.00	0.00	4.47	3.89	0.00	3.89	0.00	1.12	0.11	0.00	1.23	0.00	23.78	0.00	0.	0.00
416	35.000	31.92	0.00	0.00	0.00	4.47	3.87	0.00	3.87	0.00	1.11	0.11	0.00	1.22	0.00	23.76	0.00	0.	0.00
417	34.750	31.92	0.00	0.00	0.00	4.46	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.22	0.00	23.74	0.00	0.	0.00
418	34.500	31.92	0.00	0.00	0.00	4.45	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.22	0.00	23.72	0.00	0.	0.00
419	34.250	31.92	0.00	0.00	0.00	4.43	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.22	0.00	23.70	0.00	0.	0.00
420	34.000	31.92	0.00	0.00	0.00	4.41	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.22	0.00	23.68	0.00	0.	0.00
421	33.750	31.92	0.00	0.00	0.00	4.38	3.86	0.00	3.86	0.00	1.11	0.11	0.00	1.23	0.00	23.66	0.00	0.	0.00
422	33.500	31.92	0.00	0.00	0.00	4.36	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.64	0.00	0.	0.00
423	33.250	31.92	0.00	0.00	0.00	4.34	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.62	0.00	0.	0.00
424	33.000	31.93	0.00	0.00	0.00	4.31	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.61	0.00	0.	0.00
425	32.750	31.93	0.00	0.00	0.00	4.28	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.59	0.00	0.	0.00
426	32.500	31.93	0.00	0.00	0.00	4.26	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.57	0.00	0.	0.00
427	32.250	31.93	0.00	0.00	0.00	4.23	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.55	0.00	0.	0.00
428	32.000	31.93	0.00	0.00	0.00	4.20	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.53	0.00	0.	0.00
429	31.750	31.93	0.00	0.00	0.00	4.17	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.51	0.00	0.	0.00
430	31.500	31.93	0.00	0.00	0.00	4.14	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.49	0.00	0.	0.00

431	31.250	31.94	0.00	0.00	0.00	4.11	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.23	0.00	23.47	0.00	0.	0.00
432	31.000	31.94	0.00	0.00	0.00	4.08	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.24	0.00	23.45	0.00	0.	0.00
433	30.750	31.94	0.00	0.00	0.00	4.05	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.24	0.00	23.43	0.00	0.	0.00
434	30.500	31.94	0.00	0.00	0.00	4.02	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.24	0.00	23.41	0.00	0.	0.00
435	30.250	31.94	0.00	0.00	0.00	3.98	3.86	0.00	3.86	0.00	1.12	0.11	0.00	1.24	0.00	23.39	0.00	0.	0.00
436	30.000	31.94	0.00	0.00	0.00	3.95	3.86	0.00	3.86	0.00	1.12	0.12	0.00	1.24	0.00	23.37	0.00	0.	0.00
437	29.750	31.94	0.00	0.00	0.00	3.91	3.86	0.00	3.86	0.00	1.13	0.12	0.00	1.24	0.00	23.35	0.00	0.	0.00
438	29.500	31.94	0.00	0.00	0.00	3.87	3.86	0.00	3.86	0.00	1.13	0.12	0.00	1.24	0.00	23.33	0.00	0.	0.00
439	29.250	31.95	0.00	0.00	0.00	3.84	3.86	0.00	3.86	0.00	1.13	0.12	0.00	1.24	0.00	23.31	0.00	0.	0.00
440	29.000	31.95	0.00	0.00	0.00	3.80	3.86	0.00	3.86	0.00	1.13	0.12	0.00	1.24	0.00	23.29	0.00	0.	0.00
441	28.750	31.95	0.00	0.00	0.00	3.76	3.87	0.00	3.87	0.00	1.13	0.12	0.00	1.25	0.00	23.27	0.00	0.	0.00
442	28.500	31.95	0.00	0.00	0.00	3.71	3.87	0.00	3.87	0.00	1.13	0.12	0.00	1.25	0.00	23.25	0.00	0.	0.00
443	28.250	31.95	0.00	0.00	0.00	3.67	3.87	0.00	3.87	0.00	1.13	0.12	0.00	1.25	0.00	23.23	0.00	0.	0.00
444	28.000	31.95	0.00	0.00	0.00	3.63	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.25	0.00	23.21	0.00	0.	0.00
445	27.750	31.95	0.00	0.00	0.00	3.58	3.88	0.00	3.88	0.00	1.13	0.12	0.00	1.25	0.00	23.19	0.00	0.	0.00
446	27.500	31.96	0.00	0.00	0.00	3.54	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	23.17	0.00	0.	0.00
447	27.250	31.96	0.00	0.00	0.00	3.49	3.89	0.00	3.89	0.00	1.13	0.12	0.00	1.25	0.00	23.15	0.00	0.	0.00
448	27.000	31.96	0.00	0.00	0.00	3.44	3.90	0.00	3.90	0.00	1.14	0.12	0.00	1.26	0.00	23.13	0.00	0.	0.00
449	26.750	31.96	0.00	0.00	0.00	3.39	3.91	0.00	3.91	0.00	1.14	0.12	0.00	1.26	0.00	23.11	0.00	0.	0.00
450	26.500	31.96	0.00	0.00	0.00	3.34	3.92	0.00	3.92	0.00	1.14	0.12	0.00	1.26	0.00	23.09	0.00	0.	0.00
451	26.250	31.96	0.00	0.00	0.00	3.30	3.93	0.00	3.93	0.00	1.14	0.12	0.00	1.26	0.00	23.07	0.00	0.	0.00
452	26.000	31.96	0.00	0.00	0.00	3.25	3.95	0.00	3.95	0.00	1.14	0.12	0.00	1.26	0.00	23.05	0.00	0.	0.00
453	25.750	31.96	0.00	0.00	0.00	3.20	3.96	0.00	3.96	0.00	1.14	0.12	0.00	1.26	0.00	23.03	0.00	0.	0.00
454	25.500	31.97	0.00	0.00	0.00	3.15	3.98	0.00	3.98	0.00	1.14	0.12	0.00	1.26	0.00	23.01	0.00	0.	0.00
455	25.250	31.97	0.00	0.00	0.00	3.10	4.01	0.00	4.01	0.00	1.14	0.12	0.00	1.27	0.00	22.99	0.00	0.	0.00
456	25.000	31.97	0.00	0.00	0.00	3.06	4.04	0.00	4.04	0.00	1.14	0.12	0.00	1.27	0.00	22.97	0.00	0.	0.00
457	24.750	31.97	0.00	0.00	0.00	3.02	4.07	0.00	4.07	0.00	1.15	0.12	0.00	1.27	0.00	22.95	0.00	0.	0.00
458	24.500	31.97	0.00	0.00	0.00	2.98	4.11	0.00	4.11	0.00	1.15	0.12	0.00	1.27	0.00	22.93	0.00	0.	0.00
459	24.250	31.97	0.00	0.00	0.00	2.95	4.16	0.00	4.16	0.00	1.15	0.12	0.00	1.27	0.00	22.91	0.00	0.	0.00
460	24.000	31.97	0.00	0.00	0.00	2.92	4.22	0.00	4.22	0.00	1.15	0.12	0.00	1.27	0.00	22.89	0.00	0.	0.00
461	23.750	31.97	0.00	0.00	0.00	2.90	4.29	0.00	4.29	0.00	1.15	0.12	0.00	1.27	0.00	22.88	0.00	0.	0.00
462	23.500	31.98	0.00	0.00	0.00	2.90	4.37	0.00	4.37	0.00	1.15	0.12	0.00	1.27	0.00	22.86	0.00	0.	0.00
463	23.250	31.98	0.00	0.00	0.00	2.90	4.47	0.00	4.47	0.00	1.15	0.12	0.00	1.28	0.00	22.84	0.00	0.	0.00
464	23.000	31.98	0.00	0.00	0.00	2.93	4.58	0.00	4.58	0.00	1.16	0.12	0.00	1.28	0.00	22.82	0.00	0.	0.00
465	22.750	31.98	0.00	0.00	0.00	2.98	4.72	0.00	4.72	0.00	1.16	0.12	0.00	1.28	0.00	22.80	0.00	0.	0.00
466	22.500	31.98	0.00	0.00	0.00	3.05	4.88	0.00	4.88	0.00	1.16	0.12	0.00	1.28	0.00	22.78	0.00	0.	0.00
467	22.250	31.98	0.00	0.00	0.00	3.16	5.07	0.00	5.07	0.00	1.16	0.12	0.00	1.28	0.00	22.76	0.00	0.	0.00
468	22.000	31.98	0.00	0.00	0.00	3.31	5.28	0.00	5.28	0.00	1.16	0.11	0.00	1.27	0.00	22.74	0.00	0.	0.00
469	21.750	31.99	0.00	0.00	0.00	3.50	5.54	0.00	5.54	0.00	1.16	0.11	0.00	1.27	0.00	22.72	0.00	0.	0.00
470	21.500	31.99	0.00	0.00	0.00	3.68	4.65	0.00	4.65	0.00	1.11	0.11	0.00	1.22	0.00	22.70	0.00	0.	0.00
471	21.250	31.99	0.00	0.00	0.00	3.86	4.23	0.00	4.23	0.00	1.08	0.11	0.00	1.19	0.00	22.68	0.00	0.	0.00
472	21.000	31.99	0.00	0.00	0.00	3.99	4.03	0.00	4.03	0.00	1.07	0.10	0.00	1.17	0.00	22.66	0.00	0.	0.00
473	20.750	31.99	0.00	0.00	0.00	4.08	3.93	0.00	3.93	0.00	1.06	0.10	0.00	1.16	0.00	22.64	0.00	0.	0.00
474	20.500	31.99	0.00	0.00	0.00	4.13	3.89	0.00	3.89	0.00	1.05	0.10	0.00	1.15	0.00	22.62	0.00	0.	0.00
475	20.250	31.99	0.00	0.00	0.00	4.16	3.86	0.00	3.86	0.00	1.04	0.10	0.00	1.15	0.00	22.60	0.00	0.	0.00
476	20.000	31.99	0.00	0.00	0.00	4.18	3.85	0.00	3.85	0.00	1.04	0.10	0.00	1.14	0.00	22.58	0.00	0.	0.00
477	19.750	32.00	0.00	0.00	0.00	4.18	3.85	0.00	3.85	0.00	1.04	0.10	0.00	1.14	0.00	22.56	0.00	0.	0.00
478	19.500	32.00	0.00	0.00	0.00	4.18	3.85	0.00	3.85	0.00	1.04	0.10	0.00	1.14	0.00	22.54	0.00	0.	0.00
479	19.250	32.00	0.00	0.00	0.00	4.17	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.14	0.00	22.52	0.00	0.	0.00
480	19.000	32.00	0.00	0.00	0.00	4.16	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.13	0.00	22.50	0.00	0.	0.00

481	18.750	32.00	0.00	0.00	0.00	4.15	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.13	0.00	22.48	0.00	0.	0.00
482	18.500	32.00	0.00	0.00	0.00	4.14	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.13	0.00	22.46	0.00	0.	0.00
483	18.250	32.00	0.00	0.00	0.00	4.13	3.85	0.00	3.85	0.00	1.03	0.10	0.00	1.13	0.00	22.44	0.00	0.	0.00
484	18.000	32.01	0.00	0.00	0.00	4.12	3.85	0.00	3.85	0.00	1.02	0.10	0.00	1.13	0.00	22.42	0.00	0.	0.00
485	17.750	32.01	0.00	0.00	0.00	4.11	3.85	0.00	3.85	0.00	1.02	0.10	0.00	1.12	0.00	22.40	0.00	0.	0.00
486	17.500	32.01	0.00	0.00	0.00	4.10	3.86	0.00	3.86	0.00	1.02	0.10	0.00	1.12	0.00	22.38	0.00	0.	0.00
487	17.250	32.01	0.00	0.00	0.00	4.09	3.86	0.00	3.86	0.00	1.02	0.10	0.00	1.12	0.00	22.36	0.00	0.	0.00
488	17.000	32.01	0.00	0.00	0.00	4.08	3.87	0.00	3.87	0.00	1.02	0.10	0.00	1.12	0.00	22.34	0.00	0.	0.00
489	16.750	32.01	0.00	0.00	0.00	4.07	3.87	0.00	3.87	0.00	1.01	0.10	0.00	1.11	0.00	22.32	0.00	0.	0.00
490	16.500	32.01	0.00	0.00	0.00	4.06	3.88	0.00	3.88	0.00	1.01	0.10	0.00	1.11	0.00	22.30	0.00	0.	0.00
491	16.250	32.01	0.00	0.00	0.00	4.06	3.89	0.00	3.89	0.00	1.01	0.10	0.00	1.11	0.00	22.28	0.00	0.	0.00
492	16.000	32.02	0.00	0.00	0.00	4.05	3.90	0.00	3.90	0.00	1.01	0.10	0.00	1.10	0.00	22.26	0.00	0.	0.00
493	15.750	32.02	0.00	0.00	0.00	4.06	3.92	0.00	3.92	0.00	1.00	0.10	0.00	1.10	0.00	22.24	0.00	0.	0.00
494	15.500	32.02	0.00	0.00	0.00	4.07	3.88	0.00	3.88	0.00	1.00	0.10	0.00	1.10	0.00	22.22	0.00	0.	0.00
495	15.250	32.02	0.00	0.00	0.00	4.08	3.86	0.00	3.86	0.00	1.00	0.10	0.00	1.10	0.00	22.20	0.00	0.	0.00
496	15.000	32.02	0.00	0.00	0.00	4.08	3.85	0.00	3.85	0.00	1.00	0.10	0.00	1.09	0.00	22.18	0.00	0.	0.00
497	14.750	32.02	0.00	0.00	0.00	4.08	3.84	0.00	3.84	0.00	0.99	0.10	0.00	1.09	0.00	22.16	0.00	0.	0.00
498	14.500	32.02	0.00	0.00	0.00	4.08	3.84	0.00	3.84	0.00	0.99	0.10	0.00	1.09	0.00	22.14	0.00	0.	0.00
499	14.250	32.02	0.00	0.00	0.00	4.08	3.84	0.00	3.84	0.00	0.99	0.10	0.00	1.08	0.00	22.12	0.00	0.	0.00
500	14.000	32.03	0.00	0.00	0.00	4.07	3.84	0.00	3.84	0.00	0.98	0.10	0.00	1.08	0.00	22.11	0.00	0.	0.00
501	13.750	32.03	0.00	0.00	0.00	4.06	3.84	0.00	3.84	0.00	0.98	0.10	0.00	1.08	0.00	22.09	0.00	0.	0.00
502	13.500	32.03	0.00	0.00	0.00	4.06	3.84	0.00	3.84	0.00	0.98	0.10	0.00	1.07	0.00	22.07	0.00	0.	0.00
503	13.250	32.03	0.00	0.00	0.00	4.05	3.84	0.00	3.84	0.00	0.97	0.10	0.00	1.07	0.00	22.05	0.00	0.	0.00
504	13.000	32.03	0.00	0.00	0.00	4.04	3.84	0.00	3.84	0.00	0.97	0.10	0.00	1.06	0.00	22.03	0.00	0.	0.00
505	12.750	32.03	0.00	0.00	0.00	4.03	3.84	0.00	3.84	0.00	0.96	0.09	0.00	1.06	0.00	22.01	0.00	0.	0.00
506	12.500	32.03	0.00	0.00	0.00	4.02	3.84	0.00	3.84	0.00	0.96	0.09	0.00	1.05	0.00	21.99	0.00	0.	0.00
507	12.250	32.04	0.00	0.00	0.00	4.01	3.84	0.00	3.84	0.00	0.95	0.09	0.00	1.05	0.00	21.97	0.00	0.	0.00
508	12.000	32.04	0.00	0.00	0.00	4.00	3.84	0.00	3.84	0.00	0.95	0.09	0.00	1.04	0.00	21.95	0.00	0.	0.00
509	11.750	32.04	0.00	0.00	0.00	3.99	3.84	0.00	3.84	0.00	0.94	0.09	0.00	1.04	0.00	21.93	0.00	0.	0.00
510	11.500	32.04	0.00	0.00	0.00	3.98	3.84	0.00	3.84	0.00	0.94	0.09	0.00	1.03	0.00	21.91	0.00	0.	0.00
511	11.250	32.04	0.00	0.00	0.00	3.97	3.84	0.00	3.84	0.00	0.93	0.09	0.00	1.02	0.00	21.89	0.00	0.	0.00
512	11.000	32.04	0.00	0.00	0.00	3.96	3.85	0.00	3.85	0.00	0.93	0.09	0.00	1.02	0.00	21.87	0.00	0.	0.00
513	10.750	32.04	0.00	0.00	0.00	3.94	3.85	0.00	3.85	0.00	0.92	0.09	0.00	1.01	0.00	21.85	0.00	0.	0.00
514	10.500	32.04	0.00	0.00	0.00	3.93	3.85	0.00	3.85	0.00	0.91	0.09	0.00	1.00	0.00	21.83	0.00	0.	0.00
515	10.250	32.05	0.00	0.00	0.00	3.92	3.86	0.00	3.86	0.00	0.91	0.09	0.00	1.00	0.00	21.81	0.00	0.	0.00
516	10.000	32.05	0.00	0.00	0.00	3.91	3.87	0.00	3.87	0.00	0.90	0.09	0.00	0.99	0.00	21.79	0.00	0.	0.00
517	9.750	32.05	0.00	0.00	0.00	3.90	3.87	0.00	3.87	0.00	0.89	0.09	0.00	0.98	0.00	21.77	0.00	0.	0.00
518	9.500	32.05	0.00	0.00	0.00	3.89	3.89	0.00	3.89	0.00	0.88	0.09	0.00	0.97	0.00	21.75	0.00	0.	0.00
519	9.250	32.05	0.00	0.00	0.00	3.88	3.90	0.00	3.90	0.00	0.88	0.09	0.00	0.96	0.00	21.73	0.00	0.	0.00
520	9.000	32.05	0.00	0.00	0.00	3.87	3.92	0.00	3.92	0.00	0.87	0.08	0.00	0.95	0.00	21.71	0.00	0.	0.00
521	8.750	32.05	0.00	0.00	0.00	3.87	3.94	0.00	3.94	0.00	0.86	0.08	0.00	0.94	0.00	21.69	0.00	0.	0.00
522	8.500	32.06	0.00	0.00	0.00	3.87	3.97	0.00	3.97	0.00	0.85	0.08	0.00	0.93	0.00	21.67	0.00	0.	0.00
523	8.250	32.06	0.00	0.00	0.00	3.89	4.01	0.00	4.01	0.00	0.84	0.08	0.00	0.92	0.00	21.65	0.00	0.	0.00
524	8.000	32.06	0.00	0.00	0.00	3.91	4.07	0.00	4.07	0.00	0.83	0.08	0.00	0.91	0.00	21.63	0.00	0.	0.00
525	7.750	32.06	0.00	0.00	0.00	3.95	4.13	0.00	4.13	0.00	0.82	0.08	0.00	0.90	0.00	21.61	0.00	0.	0.00
526	7.500	32.06	0.00	0.00	0.00	4.04	3.99	0.00	3.99	0.00	0.80	0.08	0.00	0.88	0.00	21.59	0.00	0.	0.00
527	7.250	32.06	0.00	0.00	0.00	4.13	3.92	0.00	3.92	0.00	0.79	0.07	0.00	0.86	0.00	21.57	0.00	0.	0.00
528	7.000	32.06	0.00	0.00	0.00	4.20	3.88	0.00	3.88	0.00	0.77	0.07	0.00	0.84	0.00	21.55	0.00	0.	0.00
529	6.750	32.06	0.00	0.00	0.00	4.25	3.85	0.00	3.85	0.00	0.76	0.07	0.00	0.83	0.00	21.53	0.00	0.	0.00
530	6.500	32.07	0.00	0.00	0.00	4.29	3.84	0.00	3.84	0.00	0.74	0.07	0.00	0.81	0.00	21.51	0.00	0.	0.00

531	6.250	32.07	0.00	0.00	0.00	4.33	3.84	0.00	3.84	0.00	0.72	0.07	0.00	0.79	0.00	21.49	0.00	0.	0.00
532	6.000	32.07	0.00	0.00	0.00	4.36	3.83	0.00	3.83	0.00	0.70	0.06	0.00	0.77	0.00	21.47	0.00	0.	0.00
533	5.750	32.07	0.00	0.00	0.00	4.38	3.83	0.00	3.83	0.00	0.69	0.06	0.00	0.75	0.00	21.45	0.00	0.	0.00
534	5.500	32.07	0.00	0.00	0.00	4.41	3.83	0.00	3.83	0.00	0.67	0.06	0.00	0.73	0.00	21.43	0.00	0.	0.00
535	5.250	32.07	0.00	0.00	0.00	4.43	3.83	0.00	3.83	0.00	0.64	0.06	0.00	0.70	0.00	21.41	0.00	0.	0.00
536	5.000	32.07	0.00	0.00	0.00	4.45	3.83	0.00	3.83	0.00	0.62	0.06	0.00	0.68	0.00	21.39	0.00	0.	0.00
537	4.750	32.07	0.00	0.00	0.00	4.46	3.83	0.00	3.83	0.00	0.60	0.05	0.00	0.65	0.00	21.38	0.00	0.	0.00
538	4.500	32.08	0.00	0.00	0.00	4.48	3.83	0.00	3.83	0.00	0.57	0.05	0.00	0.63	0.00	21.36	0.00	0.	0.00
539	4.250	32.08	0.00	0.00	0.00	4.50	3.83	0.00	3.83	0.00	0.55	0.05	0.00	0.60	0.00	21.34	0.00	0.	0.00
540	4.000	32.08	0.00	0.00	0.00	4.51	3.83	0.00	3.83	0.00	0.52	0.05	0.00	0.57	0.00	21.32	0.00	0.	0.00
541	3.750	32.08	0.00	0.00	0.00	4.53	3.83	0.00	3.83	0.00	0.49	0.04	0.00	0.54	0.00	21.30	0.00	0.	0.00
542	3.500	32.08	0.00	0.00	0.00	4.54	3.83	0.00	3.83	0.00	0.47	0.04	0.00	0.51	0.00	21.28	0.00	0.	0.00
543	3.250	32.08	0.00	0.00	0.00	4.55	3.83	0.00	3.83	0.00	0.44	0.04	0.00	0.48	0.00	21.26	0.00	0.	0.00
544	3.000	32.08	0.00	0.00	0.00	4.56	3.83	0.00	3.83	0.00	0.41	0.04	0.00	0.45	0.00	21.24	0.00	0.	0.00
545	2.750	32.09	0.00	0.00	0.00	4.56	3.83	0.00	3.83	0.00	0.39	0.04	0.00	0.43	0.00	21.22	0.00	0.	0.00
546	2.500	32.09	0.00	0.00	0.00	4.57	3.83	0.00	3.83	0.00	0.36	0.04	0.00	0.40	0.00	21.20	0.00	0.	0.00
547	2.250	32.09	0.00	0.00	0.00	4.58	3.82	0.00	3.82	0.00	0.33	0.04	0.00	0.37	0.00	21.18	0.00	0.	0.00
548	2.000	32.09	0.00	0.00	0.00	4.59	3.82	0.00	3.82	0.00	0.30	0.04	0.00	0.34	0.00	21.16	0.00	0.	0.00
549	1.750	32.09	0.00	0.00	0.00	4.60	3.82	0.00	3.82	0.00	0.27	0.04	0.00	0.32	0.00	21.14	0.00	0.	0.00
550	1.500	32.09	0.00	0.00	0.00	4.61	3.82	0.00	3.82	0.00	0.24	0.05	0.00	0.29	0.00	21.12	0.00	0.	0.00
551	1.250	32.09	0.00	0.00	0.00	4.63	3.82	0.00	3.82	0.00	0.21	0.05	0.00	0.26	0.00	21.10	0.00	0.	0.00
552	1.000	32.09	0.00	0.00	0.00	4.66	3.82	0.00	3.82	0.00	0.18	0.06	0.00	0.24	0.00	21.08	0.00	0.	0.00
553	0.750	32.10	0.00	0.00	0.00	4.70	3.82	0.00	3.82	0.00	0.14	0.07	0.00	0.21	0.00	21.06	0.00	0.	0.00
554	0.500	32.10	0.00	0.00	0.00	4.75	3.81	0.00	3.81	0.00	0.10	0.08	0.01	0.19	0.00	21.04	0.00	0.	0.00
555	0.250	32.10	0.00	0.00	0.00	4.82	3.81	0.00	3.81	0.00	0.07	0.10	0.11	0.28	0.00	21.02	0.00	0.	0.00
556	0.000	32.10	0.00	0.00	0.00	4.92	3.80	0.00	3.80	0.00	0.03	0.13	0.21	0.37	0.00	21.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Baseline for Gulf ICWW and Bayou Black
ICWW
TRAVEL TIME = 209.82 DAYS
MAXIMUM EFFLUENT = 181.73 PERCENT
FLOW = -13.99368 TO 50.55986 m^3/s
DISPERSION = 0.3000 TO 0.9000 m^2/s
VELOCITY = -0.00604 TO 0.01812 m/s
DEPTH = 9.30 TO 13.35 m
WIDTH = 155.80 TO 395.30 m
BOD DECAY = 0.25 TO 0.26 per day
NH3 DECAY = 0.23 TO 0.29 per day
SOD = 1.48 TO 4.77 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.07 TO 0.09 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 = 31.22 TO 32.30 deg C
DISSOLVED OXYGEN = 2.90 TO 7.03 mg/L
FINAL REPORT Bayou Black LA-QUAL Baseline for Gulf ICWW and Bayou Black
REACH NO. 5 Bayou Black
********** 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

225 HDWTR 4.58300 30.70 0.00 0.00 0.00 5.00 9.75 0.00 9.75 0.00 1.41 0.30 0.00 0.00 25.00 0.00 0.00
EACH INCR 0.00400 30.00 0.00 0.00 0.00 5.00 3.70 0.00 1.10 0.10 0.00 0.00 0.00 0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
225	45.00	44.75	4.58700	0.0	0.00510	0.57	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
226	44.75	44.50	4.59100	0.0	0.00511	0.57	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
227	44.50	44.25	4.59500	0.0	0.00511	0.57	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
228	44.25	44.00	4.59900	0.0	0.00512	0.57	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
229	44.00	43.75	4.60300	0.0	0.00512	0.57	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
230	43.75	43.50	4.60700	0.0	0.00512	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
231	43.50	43.25	4.61100	0.0	0.00513	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
232	43.25	43.00	4.61500	0.0	0.00513	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
233	43.00	42.75	4.61900	0.0	0.00514	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
234	42.75	42.50	4.62300	0.0	0.00514	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
235	42.50	42.25	4.62700	0.0	0.00515	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
236	42.25	42.00	4.63100	0.0	0.00515	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
237	42.00	41.75	4.63500	0.0	0.00516	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
238	41.75	41.50	4.63900	0.0	0.00516	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
239	41.50	41.25	4.64300	0.0	0.00516	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
240	41.25	41.00	4.64700	0.0	0.00517	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
241	41.00	40.75	4.65100	0.0	0.00517	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
242	40.75	40.50	4.65500	0.0	0.00518	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
243	40.50	40.25	4.65900	0.0	0.00518	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
244	40.25	40.00	4.66300	0.0	0.00519	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
245	40.00	39.75	4.66700	0.0	0.00519	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
246	39.75	39.50	4.67100	0.0	0.00520	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
247	39.50	39.25	4.67500	0.0	0.00520	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
248	39.25	39.00	4.67900	0.0	0.00520	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
249	39.00	38.75	4.68300	0.0	0.00521	0.56	4.57	196.71	224741.20	49177.50	898.96	0.00	0.000	0.200	0.005
TOT					14.03				5618529.50	1229437.50					
AVG				0.0052			4.57	196.71			898.96				
CUM					14.03										

********** 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 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY *	BKGD SOD *	FULL SOD *	CORR DECAY 1/da	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
225	44.750	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.40	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
226	44.500	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.39	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
227	44.250	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
228	44.000	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
229	43.750	7.29	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
230	43.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
231	43.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
232	43.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.39	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
233	42.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.39	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
234	42.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.40	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
235	42.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.41	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
236	42.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.41	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00

237	41.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
238	41.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.42	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
239	41.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
240	41.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
241	40.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
242	40.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.44	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
243	40.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.44	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
244	40.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.44	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
245	39.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
246	39.500	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
247	39.250	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
248	39.000	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
249	38.750	7.30	0.19	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.15	0.15	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/m²/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/m³	PHOS #/100mL	CHL A	MACRO	COLI	NCM
225	44.750	32.10	0.00	0.00	0.00	4.22	8.39	0.00	8.39	0.00	1.39	0.26	0.00	1.64	0.00	25.00	0.00	0.	0.00
226	44.500	32.09	0.00	0.00	0.00	3.78	7.37	0.00	7.37	0.00	1.37	0.23	0.00	1.60	0.00	25.00	0.00	0.	0.00
227	44.250	32.09	0.00	0.00	0.00	3.52	6.47	0.00	6.47	0.00	1.35	0.20	0.00	1.55	0.00	25.00	0.00	0.	0.00
228	44.000	32.08	0.00	0.00	0.00	3.40	5.70	0.00	5.70	0.00	1.33	0.18	0.00	1.52	0.00	25.00	0.00	0.	0.00
229	43.750	32.08	0.00	0.00	0.00	3.40	5.02	0.00	5.02	0.00	1.31	0.17	0.00	1.48	0.00	25.00	0.00	0.	0.00
230	43.500	32.08	0.00	0.00	0.00	3.48	4.43	0.00	4.43	0.00	1.30	0.15	0.00	1.45	0.00	25.00	0.00	0.	0.00
231	43.250	32.07	0.00	0.00	0.00	3.63	3.91	0.00	3.91	0.00	1.28	0.14	0.00	1.42	0.00	25.00	0.00	0.	0.00
232	43.000	32.07	0.00	0.00	0.00	3.83	3.46	0.00	3.46	0.00	1.26	0.13	0.00	1.39	0.00	25.00	0.00	0.	0.00
233	42.750	32.06	0.00	0.00	0.00	4.07	3.07	0.00	3.07	0.00	1.24	0.12	0.00	1.37	0.00	25.00	0.00	0.	0.00
234	42.500	32.06	0.00	0.00	0.00	4.33	2.72	0.00	2.72	0.00	1.23	0.11	0.00	1.34	0.00	25.00	0.00	0.	0.00
235	42.250	32.06	0.00	0.00	0.00	4.61	2.42	0.00	2.42	0.00	1.21	0.11	0.00	1.32	0.00	25.00	0.00	0.	0.00
236	42.000	32.05	0.00	0.00	0.00	4.90	2.16	0.00	2.16	0.00	1.20	0.10	0.00	1.30	0.00	25.00	0.00	0.	0.00
237	41.750	32.05	0.00	0.00	0.00	5.20	1.94	0.00	1.94	0.00	1.18	0.10	0.00	1.27	0.00	25.00	0.00	0.	0.00
238	41.500	32.04	0.00	0.00	0.00	5.49	1.74	0.00	1.74	0.00	1.16	0.09	0.00	1.25	0.00	25.00	0.00	0.	0.00
239	41.250	32.04	0.00	0.00	0.00	5.79	1.56	0.00	1.56	0.00	1.15	0.09	0.00	1.23	0.00	25.00	0.00	0.	0.00
240	41.000	32.04	0.00	0.00	0.00	6.07	1.41	0.00	1.41	0.00	1.13	0.08	0.00	1.22	0.00	25.00	0.00	0.	0.00
241	40.750	32.03	0.00	0.00	0.00	6.35	1.28	0.00	1.28	0.00	1.12	0.08	0.00	1.20	0.00	25.00	0.00	0.	0.00
242	40.500	32.03	0.00	0.00	0.00	6.62	1.16	0.00	1.16	0.00	1.10	0.08	0.00	1.18	0.00	25.00	0.00	0.	0.00
243	40.250	32.02	0.00	0.00	0.00	6.88	1.06	0.00	1.06	0.00	1.09	0.07	0.00	1.16	0.00	25.00	0.00	0.	0.00
244	40.000	32.02	0.00	0.00	0.00	7.12	0.98	0.00	0.98	0.00	1.08	0.07	0.00	1.15	0.00	25.00	0.00	0.	0.00
245	39.750	32.02	0.00	0.00	0.00	7.35	0.90	0.00	0.90	0.00	1.06	0.07	0.00	1.13	0.00	25.00	0.00	0.	0.00
246	39.500	32.01	0.00	0.00	0.00	7.57	0.83	0.00	0.83	0.00	1.05	0.07	0.00	1.12	0.00	25.00	0.00	0.	0.00
247	39.250	32.01	0.00	0.00	0.00	7.78	0.77	0.00	0.77	0.00	1.03	0.07	0.00	1.10	0.00	25.00	0.00	0.	0.00
248	39.000	32.00	0.00	0.00	0.00	7.98	0.72	0.00	0.72	0.00	1.02	0.06	0.00	1.09	0.00	25.00	0.00	0.	0.00
249	38.750	32.00	0.00	0.00	0.00	8.14	0.68	0.00	0.68	0.00	1.01	0.06	0.00	1.07	0.00	25.00	0.00	0.	0.00

FINAL REPORT Bayou Black LA-QUAL Baseline for Gulf ICWW and Bayou Black

REACH NO. 6 Bayou Black

********** 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
250	UPR RCH	4.68300	32.00	0.00	0.00	0.00	8.14	0.68	0.00	0.68	0.00	1.01	0.06	0.00	0.00	25.00	0.00	0.00
EACH	INCR	0.00286	30.00	0.00	0.00	0.00	5.00	3.70	0.00			1.10	0.10	0.00	0.00	0.00	0.00	

260	WSTLD	0.00018	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00
268	WSTLD	0.00005	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	0.00	0.00	0.00	0.00
278	WSTLD	0.00187	30.00	0.00	0.00	0.00	5.00	56.90	0.00	56.90	0.00	4.12	8.24	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
250	38.75	38.50	4.68586	0.0	0.12960	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
251	38.50	38.25	4.68872	0.0	0.12968	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
252	38.25	38.00	4.69158	0.0	0.12975	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
253	38.00	37.75	4.69443	0.0	0.12983	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
254	37.75	37.50	4.69729	0.0	0.12991	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
255	37.50	37.25	4.70015	0.0	0.12999	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
256	37.25	37.00	4.70301	0.0	0.13007	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
257	37.00	36.75	4.70586	0.0	0.13015	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
258	36.75	36.50	4.70872	0.0	0.13023	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
259	36.50	36.25	4.71158	0.0	0.13031	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
260	36.25	36.00	4.71461	0.0	0.13039	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
261	36.00	35.75	4.71747	0.0	0.13047	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.130
262	35.75	35.50	4.72033	0.0	0.13055	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
263	35.50	35.25	4.72319	0.0	0.13063	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
264	35.25	35.00	4.72604	0.0	0.13071	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
265	35.00	34.75	4.72890	0.0	0.13079	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
266	34.75	34.50	4.73176	0.0	0.13087	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
267	34.50	34.25	4.73461	0.0	0.13095	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
268	34.25	34.00	4.73752	0.0	0.13103	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
269	34.00	33.75	4.74038	0.0	0.13110	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
270	33.75	33.50	4.74324	0.0	0.13118	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
271	33.50	33.25	4.74609	0.0	0.13126	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
272	33.25	33.00	4.74895	0.0	0.13134	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
273	33.00	32.75	4.75181	0.0	0.13142	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
274	32.75	32.50	4.75466	0.0	0.13150	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.131
275	32.50	32.25	4.75752	0.0	0.13158	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
276	32.25	32.00	4.76038	0.0	0.13166	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
277	32.00	31.75	4.76324	0.0	0.13174	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
278	31.75	31.50	4.76796	0.0	0.13187	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
279	31.50	31.25	4.77082	0.0	0.13195	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
280	31.25	31.00	4.77368	0.0	0.13203	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
281	31.00	30.75	4.77654	0.0	0.13210	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
282	30.75	30.50	4.77939	0.0	0.13218	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
283	30.50	30.25	4.78225	0.0	0.13226	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
284	30.25	30.00	4.78511	0.0	0.13234	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
TOT					0.77				316375.50	272737.50					
AVG				0.1309		1.16	31.17				36.16				
CUM					14.80										

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

ELEM NO.	ENDING DIST	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#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	ORGN 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
250	38.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00	

251	38.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
252	38.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
253	37.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
254	37.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
255	37.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
256	37.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
257	36.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
258	36.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
259	36.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
260	36.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
261	35.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00
262	35.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
263	35.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
264	35.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
265	34.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
266	34.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00
267	34.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
268	34.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
269	33.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
270	33.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
271	33.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
272	33.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
273	32.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00
274	32.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
275	32.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
276	32.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
277	31.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
278	31.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00
279	31.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
280	31.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00
281	30.750	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
282	30.500	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
283	30.250	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
284	30.000	7.30	0.75	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.45	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.60	0.15	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/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
250	38.500	32.00	0.00	0.00	0.00	8.11	0.72	0.00	0.72	0.00	1.01	0.06	0.00	1.07	0.00	25.71	0.00	0.	0.00
251	38.250	32.00	0.00	0.00	0.00	8.09	0.76	0.00	0.76	0.00	1.01	0.06	0.00	1.07	0.00	26.43	0.00	0.	0.00
252	38.000	32.00	0.00	0.00	0.00	8.07	0.80	0.00	0.80	0.00	1.01	0.06	0.00	1.08	0.00	27.14	0.00	0.	0.00
253	37.750	32.00	0.00	0.00	0.00	8.04	0.84	0.00	0.84	0.00	1.01	0.06	0.00	1.08	0.00	27.86	0.00	0.	0.00
254	37.500	32.00	0.00	0.00	0.00	8.02	0.88	0.00	0.88	0.00	1.01	0.06	0.00	1.08	0.00	28.57	0.00	0.	0.00
255	37.250	32.00	0.00	0.00	0.00	8.00	0.92	0.00	0.92	0.00	1.02	0.06	0.00	1.08	0.00	29.29	0.00	0.	0.00
256	37.000	32.00	0.00	0.00	0.00	7.98	0.96	0.00	0.96	0.00	1.02	0.06	0.00	1.08	0.00	30.00	0.00	0.	0.00
257	36.750	32.00	0.00	0.00	0.00	7.96	0.99	0.00	0.99	0.00	1.02	0.06	0.00	1.08	0.00	30.71	0.00	0.	0.00
258	36.500	32.00	0.00	0.00	0.00	7.94	1.03	0.00	1.03	0.00	1.02	0.06	0.00	1.08	0.00	31.43	0.00	0.	0.00
259	36.250	32.00	0.00	0.00	0.00	7.93	1.07	0.00	1.07	0.00	1.02	0.06	0.00	1.08	0.00	32.14	0.00	0.	0.00
260	36.000	32.00	0.00	0.00	0.00	7.91	1.11	0.00	1.11	0.00	1.02	0.06	0.00	1.08	0.00	32.86	0.00	0.	0.00

261	35.750	32.00	0.00	0.00	0.00	7.89	1.15	0.00	1.15	0.00	1.02	0.06	0.00	1.08	0.00	33.57	0.00	0.	0.00
262	35.500	32.00	0.00	0.00	0.00	7.88	1.18	0.00	1.18	0.00	1.02	0.06	0.00	1.08	0.00	34.29	0.00	0.	0.00
263	35.250	32.00	0.00	0.00	0.00	7.87	1.22	0.00	1.22	0.00	1.02	0.06	0.00	1.09	0.00	35.00	0.00	0.	0.00
264	35.000	32.00	0.00	0.00	0.00	7.85	1.26	0.00	1.26	0.00	1.02	0.06	0.00	1.09	0.00	35.71	0.00	0.	0.00
265	34.750	32.00	0.00	0.00	0.00	7.84	1.29	0.00	1.29	0.00	1.02	0.06	0.00	1.09	0.00	36.43	0.00	0.	0.00
266	34.500	32.00	0.00	0.00	0.00	7.83	1.33	0.00	1.33	0.00	1.03	0.06	0.00	1.09	0.00	37.14	0.00	0.	0.00
267	34.250	32.00	0.00	0.00	0.00	7.82	1.36	0.00	1.36	0.00	1.03	0.06	0.00	1.09	0.00	37.86	0.00	0.	0.00
268	34.000	32.00	0.00	0.00	0.00	7.80	1.40	0.00	1.40	0.00	1.03	0.06	0.00	1.09	0.00	38.57	0.00	0.	0.00
269	33.750	32.00	0.00	0.00	0.00	7.79	1.43	0.00	1.43	0.00	1.03	0.06	0.00	1.09	0.00	39.29	0.00	0.	0.00
270	33.500	32.00	0.00	0.00	0.00	7.79	1.47	0.00	1.47	0.00	1.03	0.06	0.00	1.09	0.00	40.00	0.00	0.	0.00
271	33.250	32.00	0.00	0.00	0.00	7.78	1.50	0.00	1.50	0.00	1.03	0.06	0.00	1.09	0.00	40.71	0.00	0.	0.00
272	33.000	32.00	0.00	0.00	0.00	7.77	1.54	0.00	1.54	0.00	1.03	0.06	0.00	1.09	0.00	41.43	0.00	0.	0.00
273	32.750	32.00	0.00	0.00	0.00	7.76	1.57	0.00	1.57	0.00	1.03	0.06	0.00	1.09	0.00	42.14	0.00	0.	0.00
274	32.500	32.00	0.00	0.00	0.00	7.75	1.61	0.00	1.61	0.00	1.03	0.06	0.00	1.09	0.00	42.86	0.00	0.	0.00
275	32.250	32.00	0.00	0.00	0.00	7.75	1.64	0.00	1.64	0.00	1.03	0.06	0.00	1.10	0.00	43.57	0.00	0.	0.00
276	32.000	32.00	0.00	0.00	0.00	7.74	1.67	0.00	1.67	0.00	1.03	0.06	0.00	1.10	0.00	44.29	0.00	0.	0.00
277	31.750	32.00	0.00	0.00	0.00	7.74	1.71	0.00	1.71	0.00	1.03	0.06	0.00	1.10	0.00	45.00	0.00	0.	0.00
278	31.500	32.00	0.00	0.00	0.00	7.73	1.76	0.00	1.76	0.00	1.04	0.07	0.00	1.10	0.00	45.71	0.00	0.	0.00
279	31.250	32.00	0.00	0.00	0.00	7.73	1.79	0.00	1.79	0.00	1.04	0.07	0.00	1.10	0.00	46.43	0.00	0.	0.00
280	31.000	32.00	0.00	0.00	0.00	7.73	1.83	0.00	1.83	0.00	1.04	0.07	0.00	1.10	0.00	47.14	0.00	0.	0.00
281	30.750	32.00	0.00	0.00	0.00	7.72	1.86	0.00	1.86	0.00	1.04	0.07	0.00	1.10	0.00	47.86	0.00	0.	0.00
282	30.500	32.00	0.00	0.00	0.00	7.72	1.89	0.00	1.89	0.00	1.04	0.07	0.00	1.11	0.00	48.57	0.00	0.	0.00
283	30.250	32.00	0.00	0.00	0.00	7.72	1.92	0.00	1.92	0.00	1.04	0.07	0.00	1.11	0.00	49.29	0.00	0.	0.00
284	30.000	32.00	0.00	0.00	0.00	7.72	1.95	0.00	1.95	0.00	1.04	0.07	0.00	1.11	0.00	50.00	0.00	0.	0.00

FINAL REPORT Bayou Black LA-QUAL Baseline for Gulf ICWW and Bayou Black

REACH NO. 7 Bayou Black

********** 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
285	UPR RCH	4.78511	32.00	0.00	0.00	0.00	7.72	1.95	0.00	1.95	0.00	1.04	0.07	0.00	0.00	50.00	0.00	0.00
EACH	INCR	0.00143	30.00	0.00	0.00	0.00	5.00	3.70	0.00			1.10	0.10	0.00	0.00	0.00	0.00	
292	WSTLD	0.00240	30.00	0.00	0.00	0.00	5.00	52.70	0.00	52.70	0.00	3.82	7.63	2.00	0.00	0.00	0.00	0.00
312	WSTLD	0.00088	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	0.00	0.00	0.00	0.00
331	WSTLD	0.00023	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00
339	WSTLD	0.00053	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	0.00	0.00	0.00	0.00
352	WSTLD	0.01770	30.00	0.00	0.00	0.00	5.00	57.50	0.00	57.50	0.00	4.17	20.00	2.00	0.00	0.00	0.00	0.00
369	WSTLD	0.00160	30.00	0.00	0.00	0.00	5.00	25.40	0.00	25.40	0.00	1.84	3.67	2.00	0.00	0.00	0.00	0.00
372	WSTLD	0.00002	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00
373	WSTLD	0.24066	30.00	0.00	0.00	0.00	10.40	7.20	0.00	7.20	0.00	1.40	0.10	0.00	0.00	0.00	0.00	0.00
401	WSTLD	0.50019	30.00	0.00	0.00	0.00	2.30	9.40	0.00	9.40	0.00	1.63	0.14	0.00	0.00	0.00	0.00	0.00
402	WSTLD	0.00049	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW EFF m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	TIDAL PRISM m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN VELO
285	30.00	29.75	4.78654	0.0	0.13238	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
286	29.75	29.50	4.78797	0.0	0.13242	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
287	29.50	29.25	4.78941	0.0	0.13246	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.132
288	29.25	29.00	4.79084	0.0	0.13250	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
289	29.00	28.75	4.79227	0.0	0.13254	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133

290	28.75	28.50	4.79371	0.0	0.13258	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
291	28.50	28.25	4.79514	0.0	0.13262	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
292	28.25	28.00	4.79897	0.1	0.13273	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
293	28.00	27.75	4.80041	0.1	0.13276	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
294	27.75	27.50	4.80184	0.1	0.13280	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
295	27.50	27.25	4.80327	0.1	0.13284	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
296	27.25	27.00	4.80471	0.1	0.13288	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
297	27.00	26.75	4.80614	0.1	0.13292	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
298	26.75	26.50	4.80757	0.1	0.13296	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
299	26.50	26.25	4.80901	0.1	0.13300	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
300	26.25	26.00	4.81044	0.1	0.13304	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
301	26.00	25.75	4.81187	0.1	0.13308	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
302	25.75	25.50	4.81331	0.1	0.13312	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
303	25.50	25.25	4.81474	0.1	0.13316	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
304	25.25	25.00	4.81617	0.1	0.13320	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
305	25.00	24.75	4.81761	0.1	0.13324	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
306	24.75	24.50	4.81904	0.1	0.13328	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
307	24.50	24.25	4.82047	0.1	0.13332	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
308	24.25	24.00	4.82191	0.1	0.13336	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
309	24.00	23.75	4.82334	0.1	0.13340	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
310	23.75	23.50	4.82477	0.1	0.13344	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
311	23.50	23.25	4.82621	0.1	0.13348	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.133
312	23.25	23.00	4.82852	0.1	0.13354	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
313	23.00	22.75	4.82995	0.1	0.13358	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
314	22.75	22.50	4.83139	0.1	0.13362	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
315	22.50	22.25	4.83282	0.1	0.13366	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
316	22.25	22.00	4.83425	0.1	0.13370	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
317	22.00	21.75	4.83569	0.1	0.13374	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
318	21.75	21.50	4.83712	0.1	0.13378	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
319	21.50	21.25	4.83855	0.1	0.13382	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
320	21.25	21.00	4.83999	0.1	0.13386	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
321	21.00	20.75	4.84142	0.1	0.13390	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
322	20.75	20.50	4.84285	0.1	0.13394	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
323	20.50	20.25	4.84429	0.1	0.13398	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
324	20.25	20.00	4.84572	0.1	0.13402	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
325	20.00	19.75	4.84716	0.1	0.13406	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
326	19.75	19.50	4.84859	0.1	0.13410	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
327	19.50	19.25	4.85002	0.1	0.13414	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
328	19.25	19.00	4.85146	0.1	0.13418	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
329	19.00	18.75	4.85289	0.1	0.13422	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
330	18.75	18.50	4.85432	0.1	0.13426	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
331	18.50	18.25	4.85599	0.1	0.13430	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
332	18.25	18.00	4.85742	0.1	0.13434	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
333	18.00	17.75	4.85885	0.1	0.13438	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
334	17.75	17.50	4.86029	0.1	0.13442	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
335	17.50	17.25	4.86172	0.1	0.13446	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.134
336	17.25	17.00	4.86315	0.1	0.13450	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
337	17.00	16.75	4.86459	0.1	0.13454	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
338	16.75	16.50	4.86602	0.1	0.13458	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
339	16.50	16.25	4.86798	0.1	0.13463	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135

340	16.25	16.00	4.86942	0.1	0.13467	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
341	16.00	15.75	4.87085	0.1	0.13471	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
342	15.75	15.50	4.87228	0.1	0.13475	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
343	15.50	15.25	4.87372	0.1	0.13479	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
344	15.25	15.00	4.87515	0.1	0.13483	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
345	15.00	14.75	4.87658	0.1	0.13487	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
346	14.75	14.50	4.87802	0.1	0.13491	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
347	14.50	14.25	4.87945	0.1	0.13495	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
348	14.25	14.00	4.88088	0.1	0.13499	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
349	14.00	13.75	4.88232	0.1	0.13503	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
350	13.75	13.50	4.88375	0.1	0.13507	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
351	13.50	13.25	4.88518	0.1	0.13511	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.135
352	13.25	13.00	4.90432	0.5	0.13564	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
353	13.00	12.75	4.90575	0.5	0.13568	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
354	12.75	12.50	4.90718	0.5	0.13572	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
355	12.50	12.25	4.90862	0.5	0.13576	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
356	12.25	12.00	4.91005	0.5	0.13580	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
357	12.00	11.75	4.91148	0.5	0.13584	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
358	11.75	11.50	4.91292	0.5	0.13588	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
359	11.50	11.25	4.91435	0.5	0.13592	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
360	11.25	11.00	4.91578	0.5	0.13596	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
361	11.00	10.75	4.91722	0.5	0.13600	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
362	10.75	10.50	4.91865	0.5	0.13604	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
363	10.50	10.25	4.92008	0.5	0.13607	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
364	10.25	10.00	4.92152	0.5	0.13611	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
365	10.00	9.75	4.92295	0.5	0.13615	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
366	9.75	9.50	4.92438	0.5	0.13619	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
367	9.50	9.25	4.92582	0.5	0.13623	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
368	9.25	9.00	4.92725	0.5	0.13627	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
369	9.00	8.75	4.93028	0.5	0.13636	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
370	8.75	8.50	4.93172	0.5	0.13640	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
371	8.50	8.25	4.93315	0.5	0.13644	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
372	8.25	8.00	4.93460	0.5	0.13648	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.136
373	8.00	7.75	5.17670	5.1	0.14317	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
374	7.75	7.50	5.17813	5.1	0.14321	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
375	7.50	7.25	5.17956	5.1	0.14325	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
376	7.25	7.00	5.18100	5.1	0.14329	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
377	7.00	6.75	5.18243	5.1	0.14333	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
378	6.75	6.50	5.18386	5.1	0.14337	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
379	6.50	6.25	5.18530	5.1	0.14341	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
380	6.25	6.00	5.18673	5.1	0.14345	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
381	6.00	5.75	5.18816	5.1	0.14349	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.143
382	5.75	5.50	5.18960	5.1	0.14353	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
383	5.50	5.25	5.19103	5.1	0.14357	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
384	5.25	5.00	5.19246	5.1	0.14361	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
385	5.00	4.75	5.19390	5.1	0.14365	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
386	4.75	4.50	5.19533	5.1	0.14369	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
387	4.50	4.25	5.19676	5.1	0.14373	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
388	4.25	4.00	5.19820	5.1	0.14377	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
389	4.00	3.75	5.19963	5.1	0.14381	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144

390	3.75	3.50	5.20106	5.1	0.14385	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
391	3.50	3.25	5.20250	5.1	0.14389	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
392	3.25	3.00	5.20393	5.1	0.14393	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
393	3.00	2.75	5.20536	5.1	0.14396	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
394	2.75	2.50	5.20680	5.1	0.14400	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
395	2.50	2.25	5.20823	5.1	0.14404	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
396	2.25	2.00	5.20966	5.1	0.14408	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
397	2.00	1.75	5.21110	5.1	0.14412	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
398	1.75	1.50	5.21253	5.1	0.14416	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
399	1.50	1.25	5.21396	5.1	0.14420	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
400	1.25	1.00	5.21540	5.1	0.14424	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.144
401	1.00	0.75	5.71702	13.4	0.15812	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.158
402	0.75	0.50	5.71894	13.4	0.15817	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.158
403	0.50	0.25	5.72038	13.4	0.15821	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.158
404	0.25	0.00	5.72181	13.4	0.15825	0.02	1.16	31.17	9039.30	7792.50	36.16	0.00	0.000	0.000	0.158
TOT					2.53			1084716.88	935100.00						
AVG				0.1371			1.16	31.17			36.16				
CUM					17.34										

********** 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 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY *	BKGD SOD *	FULL SOD *	CORR DECAY 1/da	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
285	29.750	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00
286	29.500	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
287	29.250	7.30	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.00
288	29.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
289	28.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.21	0.00	0.00	0.00	0.00
290	28.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
291	28.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
292	28.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.18	0.00	0.00	0.00	0.00
293	27.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.17	0.00	0.00	0.00	0.00
294	27.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
295	27.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
296	27.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.45	0.00	0.00	0.00	2.14	0.00	0.00	0.00	0.00
297	26.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00
298	26.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
299	26.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
300	26.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00
301	25.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
302	25.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
303	25.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.44	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00
304	25.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00
305	24.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00
306	24.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00
307	24.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
308	24.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.02	0.00	0.00	0.00	0.00
309	23.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00
310	23.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
311	23.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00
312	23.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00

313	22.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
314	22.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.96	0.00	0.00	0.00	0.00
315	22.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00
316	22.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.94	0.00	0.00	0.00	0.00
317	21.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
318	21.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00
319	21.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00
320	21.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00
321	20.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00
322	20.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.88	0.00	0.00	0.00	0.00
323	20.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
324	20.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00
325	19.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
326	19.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
327	19.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.83	0.00	0.00	0.00	0.00
328	19.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00
329	18.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00
330	18.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
331	18.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00
332	18.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.44	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
333	17.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
334	17.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00
335	17.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00
336	17.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
337	16.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00
338	16.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00
339	16.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
340	16.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
341	15.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00
342	15.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00
343	15.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00
344	15.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.67	0.00	0.00	0.00	0.00
345	14.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00
346	14.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
347	14.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
348	14.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.00
349	13.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
350	13.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
351	13.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.60	0.00	0.00	0.00	0.00
352	13.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.59	0.00	0.00	0.00	0.00
353	12.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
354	12.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
355	12.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00
356	12.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
357	11.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00
358	11.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.53	0.00	0.00	0.00	0.00
359	11.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.52	0.00	0.00	0.00	0.00
360	11.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.51	0.00	0.00	0.00	0.00
361	10.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
362	10.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00

363	10.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
364	10.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00
365	9.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.43	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00
366	9.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
367	9.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00
368	9.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
369	8.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
370	8.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
371	8.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
372	8.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.42	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
373	7.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
374	7.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.43	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
375	7.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
376	7.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
377	6.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
378	6.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
379	6.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
380	6.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
381	5.750	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
382	5.500	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
383	5.250	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
384	5.000	7.31	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
385	4.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
386	4.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
387	4.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
388	4.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
389	3.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
390	3.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
391	3.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
392	3.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
393	2.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
394	2.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
395	2.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
396	2.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
397	1.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
398	1.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
399	1.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
400	1.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.42	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
401	0.750	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
402	0.500	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00
403	0.250	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
404	0.000	7.32	0.75	0.29	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.41	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.60	0.17	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/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
285	29.750	32.00	0.00	0.00	0.00	7.69	1.96	0.00	1.96	0.00	1.04	0.07	0.00	1.11	0.00	49.78	0.00	0.	0.00
286	29.500	32.00	0.00	0.00	0.00	7.67	1.97	0.00	1.97	0.00	1.04	0.07	0.00	1.11	0.00	49.57	0.00	0.	0.00
287	29.250	32.00	0.00	0.00	0.00	7.64	1.98	0.00	1.98	0.00	1.04	0.07	0.00	1.11	0.00	49.35	0.00	0.	0.00

288	29.000	32.00	0.00	0.00	0.00	7.62	1.99	0.00	1.99	0.00	1.04	0.07	0.00	1.11	0.00	49.13	0.00	0.	0.00
289	28.750	32.00	0.00	0.00	0.00	7.59	2.00	0.00	2.00	0.00	1.04	0.07	0.00	1.11	0.00	48.92	0.00	0.	0.00
290	28.500	32.00	0.00	0.00	0.00	7.57	2.01	0.00	2.01	0.00	1.04	0.07	0.00	1.11	0.00	48.70	0.00	0.	0.00
291	28.250	31.99	0.00	0.00	0.00	7.54	2.01	0.00	2.01	0.00	1.04	0.07	0.00	1.11	0.00	48.48	0.00	0.	0.00
292	28.000	31.99	0.00	0.00	0.00	7.52	2.05	0.00	2.05	0.00	1.04	0.07	0.00	1.11	0.00	48.27	0.00	0.	0.00
293	27.750	31.99	0.00	0.00	0.00	7.49	2.06	0.00	2.06	0.00	1.04	0.07	0.00	1.11	0.00	48.05	0.00	0.	0.00
294	27.500	31.99	0.00	0.00	0.00	7.47	2.06	0.00	2.06	0.00	1.04	0.07	0.00	1.11	0.00	47.83	0.00	0.	0.00
295	27.250	31.99	0.00	0.00	0.00	7.44	2.07	0.00	2.07	0.00	1.04	0.07	0.00	1.11	0.00	47.62	0.00	0.	0.00
296	27.000	31.99	0.00	0.00	0.00	7.42	2.08	0.00	2.08	0.00	1.04	0.07	0.00	1.11	0.00	47.40	0.00	0.	0.00
297	26.750	31.99	0.00	0.00	0.00	7.39	2.09	0.00	2.09	0.00	1.04	0.07	0.00	1.11	0.00	47.18	0.00	0.	0.00
298	26.500	31.99	0.00	0.00	0.00	7.37	2.10	0.00	2.10	0.00	1.04	0.07	0.00	1.11	0.00	46.97	0.00	0.	0.00
299	26.250	31.99	0.00	0.00	0.00	7.35	2.11	0.00	2.11	0.00	1.04	0.07	0.00	1.11	0.00	46.75	0.00	0.	0.00
300	26.000	31.99	0.00	0.00	0.00	7.32	2.11	0.00	2.11	0.00	1.04	0.07	0.00	1.11	0.00	46.53	0.00	0.	0.00
301	25.750	31.99	0.00	0.00	0.00	7.30	2.12	0.00	2.12	0.00	1.04	0.07	0.00	1.11	0.00	46.32	0.00	0.	0.00
302	25.500	31.99	0.00	0.00	0.00	7.28	2.13	0.00	2.13	0.00	1.04	0.07	0.00	1.11	0.00	46.10	0.00	0.	0.00
303	25.250	31.98	0.00	0.00	0.00	7.25	2.14	0.00	2.14	0.00	1.04	0.07	0.00	1.11	0.00	45.88	0.00	0.	0.00
304	25.000	31.98	0.00	0.00	0.00	7.23	2.14	0.00	2.14	0.00	1.04	0.07	0.00	1.11	0.00	45.67	0.00	0.	0.00
305	24.750	31.98	0.00	0.00	0.00	7.21	2.15	0.00	2.15	0.00	1.04	0.07	0.00	1.11	0.00	45.45	0.00	0.	0.00
306	24.500	31.98	0.00	0.00	0.00	7.18	2.16	0.00	2.16	0.00	1.04	0.07	0.00	1.11	0.00	45.23	0.00	0.	0.00
307	24.250	31.98	0.00	0.00	0.00	7.16	2.17	0.00	2.17	0.00	1.04	0.07	0.00	1.11	0.00	45.02	0.00	0.	0.00
308	24.000	31.98	0.00	0.00	0.00	7.14	2.18	0.00	2.18	0.00	1.04	0.07	0.00	1.11	0.00	44.80	0.00	0.	0.00
309	23.750	31.98	0.00	0.00	0.00	7.12	2.18	0.00	2.18	0.00	1.04	0.07	0.00	1.11	0.00	44.58	0.00	0.	0.00
310	23.500	31.98	0.00	0.00	0.00	7.09	2.19	0.00	2.19	0.00	1.04	0.07	0.00	1.11	0.00	44.37	0.00	0.	0.00
311	23.250	31.98	0.00	0.00	0.00	7.07	2.20	0.00	2.20	0.00	1.04	0.07	0.00	1.11	0.00	44.15	0.00	0.	0.00
312	23.000	31.98	0.00	0.00	0.00	7.05	2.22	0.00	2.22	0.00	1.04	0.07	0.00	1.11	0.00	43.93	0.00	0.	0.00
313	22.750	31.98	0.00	0.00	0.00	7.03	2.22	0.00	2.22	0.00	1.04	0.07	0.00	1.11	0.00	43.72	0.00	0.	0.00
314	22.500	31.98	0.00	0.00	0.00	7.01	2.23	0.00	2.23	0.00	1.04	0.07	0.00	1.11	0.00	43.50	0.00	0.	0.00
315	22.250	31.97	0.00	0.00	0.00	6.98	2.24	0.00	2.24	0.00	1.04	0.07	0.00	1.11	0.00	43.28	0.00	0.	0.00
316	22.000	31.97	0.00	0.00	0.00	6.96	2.25	0.00	2.25	0.00	1.04	0.07	0.00	1.11	0.00	43.07	0.00	0.	0.00
317	21.750	31.97	0.00	0.00	0.00	6.94	2.25	0.00	2.25	0.00	1.04	0.07	0.00	1.11	0.00	42.85	0.00	0.	0.00
318	21.500	31.97	0.00	0.00	0.00	6.92	2.26	0.00	2.26	0.00	1.04	0.07	0.00	1.11	0.00	42.63	0.00	0.	0.00
319	21.250	31.97	0.00	0.00	0.00	6.90	2.27	0.00	2.27	0.00	1.04	0.07	0.00	1.11	0.00	42.42	0.00	0.	0.00
320	21.000	31.97	0.00	0.00	0.00	6.88	2.27	0.00	2.27	0.00	1.04	0.07	0.00	1.11	0.00	42.20	0.00	0.	0.00
321	20.750	31.97	0.00	0.00	0.00	6.86	2.28	0.00	2.28	0.00	1.04	0.07	0.00	1.11	0.00	41.98	0.00	0.	0.00
322	20.500	31.97	0.00	0.00	0.00	6.83	2.29	0.00	2.29	0.00	1.04	0.07	0.00	1.11	0.00	41.77	0.00	0.	0.00
323	20.250	31.97	0.00	0.00	0.00	6.81	2.29	0.00	2.29	0.00	1.04	0.07	0.00	1.11	0.00	41.55	0.00	0.	0.00
324	20.000	31.97	0.00	0.00	0.00	6.79	2.30	0.00	2.30	0.00	1.04	0.07	0.00	1.11	0.00	41.33	0.00	0.	0.00
325	19.750	31.97	0.00	0.00	0.00	6.77	2.31	0.00	2.31	0.00	1.04	0.07	0.00	1.11	0.00	41.12	0.00	0.	0.00
326	19.500	31.97	0.00	0.00	0.00	6.75	2.31	0.00	2.31	0.00	1.04	0.07	0.00	1.11	0.00	40.90	0.00	0.	0.00
327	19.250	31.96	0.00	0.00	0.00	6.73	2.32	0.00	2.32	0.00	1.04	0.07	0.00	1.11	0.00	40.68	0.00	0.	0.00
328	19.000	31.96	0.00	0.00	0.00	6.71	2.33	0.00	2.33	0.00	1.04	0.07	0.00	1.11	0.00	40.47	0.00	0.	0.00
329	18.750	31.96	0.00	0.00	0.00	6.69	2.33	0.00	2.33	0.00	1.04	0.07	0.00	1.10	0.00	40.25	0.00	0.	0.00
330	18.500	31.96	0.00	0.00	0.00	6.67	2.34	0.00	2.34	0.00	1.04	0.07	0.00	1.10	0.00	40.03	0.00	0.	0.00
331	18.250	31.96	0.00	0.00	0.00	6.65	2.35	0.00	2.35	0.00	1.04	0.07	0.00	1.11	0.00	39.82	0.00	0.	0.00
332	18.000	31.96	0.00	0.00	0.00	6.63	2.36	0.00	2.36	0.00	1.04	0.07	0.00	1.11	0.00	39.60	0.00	0.	0.00
333	17.750	31.96	0.00	0.00	0.00	6.61	2.36	0.00	2.36	0.00	1.04	0.07	0.00	1.11	0.00	39.38	0.00	0.	0.00
334	17.500	31.96	0.00	0.00	0.00	6.59	2.37	0.00	2.37	0.00	1.04	0.07	0.00	1.10	0.00	39.17	0.00	0.	0.00
335	17.250	31.96	0.00	0.00	0.00	6.57	2.38	0.00	2.38	0.00	1.04	0.07	0.00	1.10	0.00	38.95	0.00	0.	0.00
336	17.000	31.96	0.00	0.00	0.00	6.55	2.38	0.00	2.38	0.00	1.04	0.07	0.00	1.10	0.00	38.73	0.00	0.	0.00
337	16.750	31.96	0.00	0.00	0.00	6.53	2.39	0.00	2.39	0.00	1.04	0.07	0.00	1.10	0.00	38.52	0.00	0.	0.00

338	16.500	31.95	0.00	0.00	0.00	6.51	2.39	0.00	2.39	0.00	1.04	0.07	0.00	1.10	0.00	38.30	0.00	0.	0.00
339	16.250	31.95	0.00	0.00	0.00	6.49	2.41	0.00	2.41	0.00	1.04	0.07	0.00	1.11	0.00	38.08	0.00	0.	0.00
340	16.000	31.95	0.00	0.00	0.00	6.47	2.41	0.00	2.41	0.00	1.04	0.07	0.00	1.11	0.00	37.87	0.00	0.	0.00
341	15.750	31.95	0.00	0.00	0.00	6.45	2.42	0.00	2.42	0.00	1.04	0.07	0.00	1.10	0.00	37.65	0.00	0.	0.00
342	15.500	31.95	0.00	0.00	0.00	6.43	2.42	0.00	2.42	0.00	1.04	0.07	0.00	1.10	0.00	37.43	0.00	0.	0.00
343	15.250	31.95	0.00	0.00	0.00	6.41	2.43	0.00	2.43	0.00	1.04	0.07	0.00	1.10	0.00	37.22	0.00	0.	0.00
344	15.000	31.95	0.00	0.00	0.00	6.40	2.44	0.00	2.44	0.00	1.04	0.07	0.00	1.10	0.00	37.00	0.00	0.	0.00
345	14.750	31.95	0.00	0.00	0.00	6.38	2.44	0.00	2.44	0.00	1.04	0.07	0.00	1.10	0.00	36.78	0.00	0.	0.00
346	14.500	31.95	0.00	0.00	0.00	6.36	2.45	0.00	2.45	0.00	1.04	0.07	0.00	1.10	0.00	36.57	0.00	0.	0.00
347	14.250	31.95	0.00	0.00	0.00	6.34	2.45	0.00	2.45	0.00	1.03	0.07	0.00	1.10	0.00	36.35	0.00	0.	0.00
348	14.000	31.95	0.00	0.00	0.00	6.32	2.46	0.00	2.46	0.00	1.03	0.07	0.00	1.10	0.00	36.13	0.00	0.	0.00
349	13.750	31.95	0.00	0.00	0.00	6.30	2.46	0.00	2.46	0.00	1.03	0.07	0.00	1.10	0.00	35.92	0.00	0.	0.00
350	13.500	31.94	0.00	0.00	0.00	6.28	2.47	0.00	2.47	0.00	1.03	0.07	0.00	1.10	0.00	35.70	0.00	0.	0.00
351	13.250	31.94	0.00	0.00	0.00	6.26	2.48	0.00	2.48	0.00	1.03	0.07	0.00	1.10	0.00	35.48	0.00	0.	0.00
352	13.000	31.94	0.00	0.00	0.00	6.24	2.68	0.00	2.68	0.00	1.05	0.14	0.00	1.19	0.00	35.27	0.00	0.	0.00
353	12.750	31.94	0.00	0.00	0.00	6.21	2.68	0.00	2.68	0.00	1.05	0.14	0.00	1.18	0.00	35.05	0.00	0.	0.00
354	12.500	31.94	0.00	0.00	0.00	6.19	2.69	0.00	2.69	0.00	1.05	0.14	0.00	1.18	0.00	34.83	0.00	0.	0.00
355	12.250	31.94	0.00	0.00	0.00	6.17	2.69	0.00	2.69	0.00	1.05	0.14	0.00	1.18	0.00	34.62	0.00	0.	0.00
356	12.000	31.94	0.00	0.00	0.00	6.15	2.69	0.00	2.69	0.00	1.04	0.14	0.00	1.18	0.00	34.40	0.00	0.	0.00
357	11.750	31.94	0.00	0.00	0.00	6.13	2.70	0.00	2.70	0.00	1.04	0.14	0.00	1.18	0.00	34.18	0.00	0.	0.00
358	11.500	31.94	0.00	0.00	0.00	6.11	2.70	0.00	2.70	0.00	1.04	0.14	0.00	1.18	0.00	33.97	0.00	0.	0.00
359	11.250	31.94	0.00	0.00	0.00	6.08	2.71	0.00	2.71	0.00	1.04	0.13	0.00	1.18	0.00	33.75	0.00	0.	0.00
360	11.000	31.94	0.00	0.00	0.00	6.06	2.71	0.00	2.71	0.00	1.04	0.13	0.00	1.18	0.00	33.53	0.00	0.	0.00
361	10.750	31.94	0.00	0.00	0.00	6.04	2.71	0.00	2.71	0.00	1.04	0.13	0.00	1.18	0.00	33.32	0.00	0.	0.00
362	10.500	31.93	0.00	0.00	0.00	6.02	2.72	0.00	2.72	0.00	1.04	0.13	0.00	1.18	0.00	33.10	0.00	0.	0.00
363	10.250	31.93	0.00	0.00	0.00	6.00	2.72	0.00	2.72	0.00	1.04	0.13	0.00	1.18	0.00	32.88	0.00	0.	0.00
364	10.000	31.93	0.00	0.00	0.00	5.98	2.73	0.00	2.73	0.00	1.04	0.13	0.00	1.18	0.00	32.67	0.00	0.	0.00
365	9.750	31.93	0.00	0.00	0.00	5.96	2.73	0.00	2.73	0.00	1.04	0.13	0.00	1.17	0.00	32.45	0.00	0.	0.00
366	9.500	31.93	0.00	0.00	0.00	5.94	2.73	0.00	2.73	0.00	1.04	0.13	0.00	1.17	0.00	32.23	0.00	0.	0.00
367	9.250	31.93	0.00	0.00	0.00	5.92	2.74	0.00	2.74	0.00	1.04	0.13	0.00	1.17	0.00	32.02	0.00	0.	0.00
368	9.000	31.93	0.00	0.00	0.00	5.90	2.74	0.00	2.74	0.00	1.04	0.13	0.00	1.17	0.00	31.80	0.00	0.	0.00
369	8.750	31.93	0.00	0.00	0.00	5.88	2.75	0.00	2.75	0.00	1.04	0.13	0.00	1.17	0.00	31.58	0.00	0.	0.00
370	8.500	31.93	0.00	0.00	0.00	5.86	2.76	0.00	2.76	0.00	1.04	0.13	0.00	1.17	0.00	31.37	0.00	0.	0.00
371	8.250	31.93	0.00	0.00	0.00	5.84	2.76	0.00	2.76	0.00	1.04	0.13	0.00	1.17	0.00	31.15	0.00	0.	0.00
372	8.000	31.93	0.00	0.00	0.00	5.82	2.76	0.00	2.76	0.00	1.04	0.13	0.00	1.17	0.00	30.93	0.00	0.	0.00
373	7.750	31.93	0.00	0.00	0.00	6.01	2.97	0.00	2.97	0.00	1.06	0.13	0.00	1.19	0.00	30.72	0.00	0.	0.00
374	7.500	31.92	0.00	0.00	0.00	5.99	2.97	0.00	2.97	0.00	1.06	0.13	0.00	1.18	0.00	30.50	0.00	0.	0.00
375	7.250	31.92	0.00	0.00	0.00	5.97	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	30.28	0.00	0.	0.00
376	7.000	31.92	0.00	0.00	0.00	5.94	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	30.07	0.00	0.	0.00
377	6.750	31.92	0.00	0.00	0.00	5.92	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	29.85	0.00	0.	0.00
378	6.500	31.92	0.00	0.00	0.00	5.90	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	29.63	0.00	0.	0.00
379	6.250	31.92	0.00	0.00	0.00	5.88	2.98	0.00	2.98	0.00	1.06	0.12	0.00	1.18	0.00	29.42	0.00	0.	0.00
380	6.000	31.92	0.00	0.00	0.00	5.85	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	29.20	0.00	0.	0.00
381	5.750	31.92	0.00	0.00	0.00	5.83	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	28.98	0.00	0.	0.00
382	5.500	31.92	0.00	0.00	0.00	5.81	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	28.77	0.00	0.	0.00
383	5.250	31.92	0.00	0.00	0.00	5.79	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	28.55	0.00	0.	0.00
384	5.000	31.92	0.00	0.00	0.00	5.77	2.99	0.00	2.99	0.00	1.06	0.12	0.00	1.18	0.00	28.33	0.00	0.	0.00
385	4.750	31.92	0.00	0.00	0.00	5.75	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.18	0.00	28.12	0.00	0.	0.00
386	4.500	31.91	0.00	0.00	0.00	5.73	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.18	0.00	27.90	0.00	0.	0.00
387	4.250	31.91	0.00	0.00	0.00	5.71	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.18	0.00	27.68	0.00	0.	0.00

388	4.000	31.91	0.00	0.00	0.00	5.69	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.18	0.00	27.47	0.00	0.	0.00
389	3.750	31.91	0.00	0.00	0.00	5.67	3.00	0.00	3.00	0.00	1.06	0.12	0.00	1.17	0.00	27.25	0.00	0.	0.00
390	3.500	31.91	0.00	0.00	0.00	5.65	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	27.03	0.00	0.	0.00
391	3.250	31.91	0.00	0.00	0.00	5.62	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	26.82	0.00	0.	0.00
392	3.000	31.91	0.00	0.00	0.00	5.60	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	26.60	0.00	0.	0.00
393	2.750	31.91	0.00	0.00	0.00	5.58	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	26.38	0.00	0.	0.00
394	2.500	31.91	0.00	0.00	0.00	5.57	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	26.17	0.00	0.	0.00
395	2.250	31.91	0.00	0.00	0.00	5.55	3.01	0.00	3.01	0.00	1.06	0.12	0.00	1.17	0.00	25.95	0.00	0.	0.00
396	2.000	31.91	0.00	0.00	0.00	5.53	3.02	0.00	3.02	0.00	1.06	0.11	0.00	1.17	0.00	25.73	0.00	0.	0.00
397	1.750	31.91	0.00	0.00	0.00	5.51	3.02	0.00	3.02	0.00	1.06	0.11	0.00	1.17	0.00	25.52	0.00	0.	0.00
398	1.500	31.90	0.00	0.00	0.00	5.49	3.02	0.00	3.02	0.00	1.06	0.11	0.00	1.17	0.00	25.30	0.00	0.	0.00
399	1.250	31.90	0.00	0.00	0.00	5.47	3.02	0.00	3.02	0.00	1.06	0.11	0.00	1.17	0.00	25.08	0.00	0.	0.00
400	1.000	31.90	0.00	0.00	0.00	5.45	3.02	0.00	3.02	0.00	1.05	0.11	0.00	1.17	0.00	24.87	0.00	0.	0.00
401	0.750	31.90	0.00	0.00	0.00	5.16	3.58	0.00	3.58	0.00	1.11	0.12	0.00	1.22	0.00	24.65	0.00	0.	0.00
402	0.500	31.90	0.00	0.00	0.00	5.14	3.59	0.00	3.59	0.00	1.11	0.12	0.00	1.22	0.00	24.43	0.00	0.	0.00
403	0.250	31.90	0.00	0.00	0.00	5.12	3.59	0.00	3.59	0.00	1.11	0.12	0.00	1.22	0.00	24.22	0.00	0.	0.00
404	0.000	31.90	0.00	0.00	0.00	5.11	3.58	0.00	3.58	0.00	1.11	0.12	0.00	1.22	0.00	24.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Baseline for Gulf ICWW and Bayou Black
Bayou Black
TRAVEL TIME = 17.34 DAYS
MAXIMUM EFFLUENT = 13.41 PERCENT
FLOW = 4.58700 TO 5.72181 m^3/s
DISPERSION = 0.0000 TO 0.2000 m^2/s
VELOCITY = 0.00510 TO 0.15825 m/s
DEPTH = 1.16 TO 4.57 m
WIDTH = 31.17 TO 196.71 m
BOD DECAY = 0.26 TO 0.29 per day
NH3 DECAY = 0.38 TO 0.45 per day
SOD = 1.49 TO 2.77 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.19 TO 0.75 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.03 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 31.90 TO 32.10 deg C
DISSOLVED OXYGEN = 3.40 TO 8.14 mg/L
LA-QUAL Baseline for Gulf ICWW and Bayou Black

REACH SUMMARY REPORT FOR ICWW

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	AVG EOR cfs	AVG VELO fps	FLOW AT EOR ft	AVERAGE DEPTH ft	AVG WIDTH ft
1	Gulf ICWW	94.00	84.50	9.50	171.40	1.65100	0.00064	9.300	182.49	58.297	0.002	30.513	598.75	
2	Gulf ICWW	84.50	71.50	13.00	-22.93	-8.83793	-0.00656	13.350	209.06	-312.067	-0.022	43.801	685.93	
3	Gulf ICWW	71.50	62.00	9.50	-104.64	-2.80521	-0.00105	12.770	395.30	-99.052	-0.003	41.898	1296.98	
4	Gulf ICWW	62.00	38.00	24.00	341.71	-13.94433	0.00081	12.190	190.00	-492.374	0.003	39.995	623.39	
8	Gulf ICWW	38.00	0.00	38.00	-175.72	-3.94284	-0.00250	12.800	155.80	-139.222	-0.008	41.997	511.18	

LA-QUAL Baseline for Gulf ICWW and Bayou Black

REACH SUMMARY REPORT FOR Bayou Black

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
5	Bayou Black	45.00	38.75	6.25	14.03	4.68300	0.00516	4.570	196.71	165.357	0.017	14.994	645.41
6	Bayou Black	38.75	30.00	8.75	0.77	4.78511	0.13095	1.160	31.17	168.962	0.430	3.806	102.27
7	Bayou Black	30.00	0.00	30.00	2.53	5.72181	0.13708	1.160	31.17	202.037	0.450	3.806	102.27

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	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 OUT
1	377.	0.	-379.	0.	0.	1.	16.	0.	0.	0.	0.	37.	-271.	-58.	0.	0.	-92.	0.	0.	0.	369.	0.	0.	-800.2	800.2	0.01
2	379.	0.	-393.	-1.	0.	8.	16.	0.	0.	0.	0.	36.	-263.	-59.	0.	0.	-93.	0.	0.	0.	370.	0.	0.	-809.0	809.0	0.01
3	393.	0.	-409.	-8.	0.	11.	16.	0.	0.	0.	0.	36.	-258.	-59.	0.	0.	-93.	0.	0.	0.	370.	0.	0.	-826.8	826.8	0.00
4	409.	0.	-425.	-11.	0.	12.	16.	0.	0.	0.	0.	35.	-255.	-59.	0.	0.	-93.	0.	0.	0.	370.	0.	0.	-843.0	843.0	0.00
5	425.	0.	-442.	-12.	0.	12.	16.	0.	0.	0.	0.	34.	-252.	-59.	0.	0.	-93.	0.	0.	0.	371.	0.	0.	-858.3	858.3	0.00
6	442.	0.	-458.	-12.	0.	11.	16.	0.	0.	0.	0.	33.	-250.	-60.	0.	0.	-93.	0.	0.	0.	371.	0.	0.	-873.3	873.3	0.00
7	458.	0.	-474.	-11.	0.	10.	16.	0.	0.	0.	0.	32.	-249.	-60.	0.	0.	-93.	0.	0.	0.	372.	0.	0.	-888.2	888.2	0.00
8	474.	0.	-491.	-10.	0.	9.	16.	0.	0.	0.	0.	31.	-249.	-60.	0.	0.	-93.	0.	0.	0.	372.	0.	0.	-903.0	903.0	-0.01
9	491.	0.	-507.	-9.	0.	8.	16.	0.	0.	0.	0.	30.	-248.	-60.	0.	0.	-93.	0.	0.	0.	372.	0.	0.	-917.9	917.9	-0.01
10	507.	0.	-523.	-8.	0.	7.	16.	0.	0.	0.	0.	30.	-248.	-60.	0.	0.	-94.	0.	0.	0.	373.	0.	0.	-932.9	932.9	-0.01
11	523.	0.	-540.	-7.	0.	6.	16.	0.	0.	0.	0.	29.	-248.	-60.	0.	0.	-94.	0.	0.	0.	373.	0.	0.	-948.0	948.0	-0.01
12	540.	0.	-556.	-6.	0.	5.	16.	0.	0.	0.	0.	28.	-247.	-60.	0.	0.	-94.	0.	0.	0.	373.	0.	0.	-963.1	963.1	-0.01
13	556.	0.	-572.	-5.	0.	5.	16.	0.	0.	0.	0.	28.	-247.	-60.	0.	0.	-94.	0.	0.	0.	374.	0.	0.	-978.4	978.4	-0.01
14	572.	0.	-588.	-5.	0.	4.	16.	0.	0.	0.	0.	27.	-247.	-60.	0.	0.	-94.	0.	0.	0.	374.	0.	0.	-993.7	993.7	-0.02
15	588.	0.	-603.	-4.	0.	4.	16.	0.	0.	0.	0.	27.	-247.	-60.	0.	0.	-94.	0.	0.	0.	374.	0.	0.	-1009.0	1009.0	-0.02
16	603.	0.	-619.	-4.	0.	3.	16.	0.	0.	0.	0.	27.	-247.	-60.	0.	0.	-94.	0.	0.	0.	375.	0.	0.	-1024.4	1024.4	-0.02
17	619.	0.	-635.	-3.	0.	3.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-94.	0.	0.	0.	375.	0.	0.	-1039.8	1039.8	-0.02
18	635.	0.	-651.	-3.	0.	2.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-95.	0.	0.	0.	376.	0.	0.	-1055.2	1055.2	-0.02
19	651.	0.	-666.	-2.	0.	2.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-95.	0.	0.	0.	376.	0.	0.	-1070.5	1070.5	-0.02
20	666.	0.	-682.	-2.	0.	1.	16.	0.	0.	0.	0.	26.	-247.	-60.	0.	0.	-95.	0.	0.	0.	376.	0.	0.	-1085.8	1085.7	-0.03
21	682.	0.	-697.	-1.	0.	1.	16.	0.	0.	0.	0.	25.	-247.	-60.	0.	0.	-95.	0.	0.	0.	377.	0.	0.	-1100.9	1100.9	-0.03
22	697.	0.	-713.	-1.	0.	0.	16.	0.	0.	0.	0.	25.	-247.	-60.	0.	0.	-95.	0.	0.	0.	377.	0.	0.	-1116.1	1116.0	-0.03
23	713.	0.	-728.	0.	0.	-1.	16.	0.	0.	0.	0.	25.	-247.	-60.	0.	0.	-95.	0.	0.	0.	377.	0.	0.	-1132.0	1132.0	-0.03
24	728.	0.	-743.	1.	0.	-3.	16.	0.	0.	0.	0.	25.	-247.	-60.	0.	0.	-95.	0.	0.	0.	378.	0.	0.	-1148.6	1148.5	-0.03
25	743.	0.	-758.	3.	0.	-5.	16.	0.	0.	0.	0.	25.	-247.	-61.	0.	0.	-95.	0.	0.	0.	378.	0.	0.	-1165.4	1165.4	-0.03
26	758.	0.	-772.	5.	0.	-7.	16.	0.	0.	0.	0.	26.	-247.	-61.	0.	0.	-96.	0.	0.	0.	378.	0.	0.	-1182.6	1182.6	-0.03
27	772.	0.	-785.	7.	0.	-11.	16.	0.	0.	0.	0.	26.	-247.	-61.	0.	0.	-96.	0.	0.	0.	379.	0.	0.	-1200.3	1200.3	-0.04
28	785.	0.	-798.	11.	0.	-16.	16.	0.	0.	0.	0.	27.	-248.	-61.	0.	0.	-96.	0.	0.	0.	379.	0.	0.	-1218.7	1218.7	-0.04
29	798.	0.	-809.	16.	0.	-23.	16.	0.	0.	0.	0.	28.	-248.	-61.	0.	0.	-96.	0.	0.	0.	380.	0.	0.	-1238.1	1238.1	-0.04
30	809.	0.	-819.	23.	0.	-33.	16.	0.	0.	0.	0.	30.	-249.	-61.	0.	0.	-96.	0.	0.	0.	380.	0.	0.	-1258.7	1258.7	-0.04
31	819.	0.	-826.	33.	0.	-47.	16.	0.	0.	0.	0.	32.	-250.	-62.	0.	0.	-96.	0.	0.	0.	380.	0.	0.	-1281.1	1281.0	-0.04
32	826.	0.	-829.	47.	0.	-66.	16.	0.	0.	0.	0.	35.	-253.	-62.	0.	0.	-96.	0.	0.	0.	381.	0.	0.	-1305.5	1305.5	-0.03
33	829.	0.	-827.	66.	0.	-90.	16.	0.	0.	0.	0.	40.	-257.	-62.	0.	0.	-96.	0.	0.	0.	381.	0.	0.	-1332.4	1332.4	-0.03
34	827.	0.	-819.	90.	0.	-120.	16.	0.	0.	0.	0.	47.	-263.	-62.	0.	0.	-97.	0.	0.	0.	381.	0.	0.	-1362.0	1361.9	-0.02
35	819.	0.	-802.	120.	0.	-157.	16.	0.	0.	0.	0.	56.	-276.	-62.	0.	0.	-97.	0.	0.	0.	382.	0.	0.	-1393.5	1393.5	-0.02
36	802.	0.	-775.	157.	0.	-195.	16.	0.	0.	0.	0.	68.	-297.	-62.	0.	0.	-97.	0.	0.	0.	382.	0.	0.	-1424.9	1424.9	0.00
37	775.	0.	-736.	195.	0.	-223.	16.	0.	0.	0.	0.	82.	-334.	-60.	0.	0.	-97.	0.	0.	0.	382.	0.	0.	-1450.2	1450.3	0.02
38	736.	0.	-687.	223.	0.	-215.	16.	0.	0.	0.	0.	99.	-400.	-57.	0.	0.	-97.	0.	0.	0.	383.	0.	0.	-1456.6	1456.7	0.04
39	687.	0.	-19076.	215.	0.	-29.	10.	0.	0.	18481.	0.	133.	-857.	-82.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-20155.5	20155.6	0.10
40	19076.	0.	-18819.	29.	0.	-27.	10.	0.	0.	0.	0.	135.	-840.	-83.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-19880.6	19880.7	0.11
41	18819.	0.	-18580.	27.	0.	-25.	10.	0.	0.	0.	0.	138.	-823.	-85.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-19624.2	19624.3	0.12

42	18580.	0.	-18357.	25.	0.	-24.	10.	0.	0.	0.	0.	140.	-807.	-86.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-19385.4	19385.5	0.12
43	18357.	0.	-18151.	24.	0.	-22.	10.	0.	0.	0.	0.	143.	-792.	-87.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-19163.4	19163.6	0.13
44	18151.	0.	-17960.	22.	0.	-20.	10.	0.	0.	0.	0.	145.	-778.	-88.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18957.6	18957.8	0.14
45	17960.	0.	-17785.	20.	0.	-19.	10.	0.	0.	0.	0.	147.	-764.	-89.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18767.2	18767.4	0.14
46	17785.	0.	-17623.	19.	0.	-17.	10.	0.	0.	0.	0.	148.	-750.	-90.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18591.5	18591.7	0.15
47	17623.	0.	-17474.	17.	0.	-16.	10.	0.	0.	0.	0.	150.	-738.	-91.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18429.9	18430.1	0.16
48	17474.	0.	-17339.	16.	0.	-14.	10.	0.	0.	0.	0.	151.	-725.	-92.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18281.7	18281.8	0.16
49	17339.	0.	-17216.	14.	0.	-13.	10.	0.	0.	0.	0.	153.	-713.	-93.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18146.2	18146.4	0.17
50	17216.	0.	-17104.	13.	0.	-12.	10.	0.	0.	0.	0.	154.	-702.	-93.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-18023.1	18023.2	0.17
51	17104.	0.	-17004.	12.	0.	-11.	10.	0.	0.	0.	0.	155.	-691.	-94.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17911.5	17911.7	0.18
52	17004.	0.	-16915.	11.	0.	-9.	10.	0.	0.	0.	0.	156.	-681.	-95.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17811.1	17811.3	0.18
53	16915.	0.	-16835.	9.	0.	-8.	10.	0.	0.	0.	0.	157.	-671.	-96.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17721.3	17721.5	0.18
54	16835.	0.	-16768.	8.	0.	-5.	10.	0.	0.	0.	0.	158.	-661.	-96.	0.	0.	-111.	0.	0.	0.	630.	0.	0.	-17641.6	17641.8	0.19
55	16768.	0.	-16729.	5.	0.	17.	10.	0.	0.	0.	0.	158.	-651.	-97.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-17588.7	17588.9	0.19
56	16729.	0.	-16891.	-17.	0.	231.	10.	0.	0.	0.	0.	156.	-639.	-98.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-17756.8	17757.0	0.18
57	16891.	0.	4142.	-231.	0.	793.	10.	0.	0.	0.	******	135.	-598.	-95.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-24167.7	22601.4	*******
58	-4142.	0.	5700.	-793.	0.	260.	10.	0.	0.	0.	0.	60.	-477.	-82.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-5606.2	6660.4	1054.21
59	-5700.	0.	6203.	-260.	0.	75.	10.	0.	0.	0.	0.	35.	-443.	-77.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6591.3	6954.7	363.45

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

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
60	-6203.	0.	6342.	-75.	0.	12.	10.	0.	0.	0.	0.	28.	-434.	-75.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6898.6	7023.5	124.83
61	-6342.	0.	6356.	-12.	0.	-10.	10.	0.	0.	0.	0.	27.	-431.	-75.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6981.3	7024.5	43.19
62	-6356.	0.	6327.	10.	0.	-18.	10.	0.	0.	0.	0.	28.	-430.	-75.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6990.9	7006.4	15.50
63	-6327.	0.	6283.	18.	0.	-21.	10.	0.	0.	0.	0.	30.	-430.	-75.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6965.4	6971.6	6.17
64	-6283.	0.	6232.	21.	0.	-23.	10.	0.	0.	0.	0.	32.	-430.	-75.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6923.0	6926.1	3.07
65	-6232.	0.	6178.	23.	0.	-24.	10.	0.	0.	0.	0.	34.	-431.	-76.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6874.1	6876.1	2.06
66	-6178.	0.	6123.	24.	0.	-25.	10.	0.	0.	0.	0.	36.	-431.	-76.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6822.0	6823.7	1.74
67	-6123.	0.	6065.	25.	0.	-26.	10.	0.	0.	0.	0.	38.	-431.	-77.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6767.8	6769.4	1.65
68	-6065.	0.	6006.	26.	0.	-27.	10.	0.	0.	0.	0.	41.	-431.	-77.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6712.0	6713.6	1.65
69	-6006.	0.	5945.	27.	0.	-28.	10.	0.	0.	0.	0.	43.	-432.	-78.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6654.5	6656.2	1.65
70	-5945.	0.	5882.	28.	0.	-29.	10.	0.	0.	0.	0.	46.	-432.	-78.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6595.6	6597.2	1.66
71	-5882.	0.	5818.	29.	0.	-29.	10.	0.	0.	0.	0.	48.	-433.	-79.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6535.1	6536.8	1.66
72	-5818.	0.	5752.	29.	0.	-30.	10.	0.	0.	0.	0.	51.	-434.	-79.	0.	0.	-112.	0.	0.	0.	631.	0.	0.	-6473.1	6474.7	1.64
73	-5752.	0.	5685.	30.	0.	-31.	10.	0.	0.	0.	0.	54.	-435.	-80.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6409.5	6411.1	1.60
74	-5685.	0.	5616.	31.	0.	-32.	10.	0.	0.	0.	0.	57.	-436.	-80.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6344.5	6346.1	1.55
75	-5616.	0.	5545.	32.	0.	-33.	10.	0.	0.	0.	0.	60.	-437.	-80.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6278.1	6279.6	1.46
76	-5545.	0.	5473.	33.	0.	-34.	10.	0.	0.	0.	0.	63.	-438.	-81.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6210.3	6211.7	1.34
77	-5473.	0.	5400.	34.	0.	-34.	10.	0.	0.	0.	0.	66.	-440.	-81.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6141.3	6142.5	1.18
78	-5400.	0.	5326.	34.	0.	-35.	10.	0.	0.	0.	0.	70.	-442.	-82.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6071.2	6072.2	0.97
79	-5326.	0.	5251.	35.	0.	-36.	10.	0.	0.	0.	0.	73.	-445.	-82.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-6000.2	6000.9	0.70
80	-5251.	0.	5175.	36.	0.	-36.	10.	0.	0.	0.	0.	76.	-447.	-83.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5928.5	5928.9	0.36
81	-5175.	0.	5099.	36.	0.	-36.	10.	0.	0.	0.	0.	80.	-451.	-83.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5856.5	5856.4	-0.08
82	-5099.	0.	5023.	36.	0.	-36.	10.	0.	0.	0.	0.	83.	-455.	-83.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5784.5	5783.9	-0.61
83	-5023.	0.	4947.	36.	0.	-35.	10.	0.	0.	0.	0.	86.	-460.	-84.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5713.0	5711.7	-1.28
84	-4947.	0.	4874.	35.	0.	-34.	10.	0.	0.	0.	0.	90.	-465.	-84.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5642.6	5640.5	-2.09
85	-4874.	0.	4802.	34.	0.	-32.	10.	0.	0.	0.	0.	93.	-472.	-84.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5574.1	5571.0	-3.10
86	-4802.	0.	4733.	32.	0.	-30.	10.	0.	0.	0.	0.	96.	-480.	-84.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5508.2	5503.9	-4.33
87	-4733.	0.	4669.	30.	0.	-27.	10.	0.	0.	0.	0.	99.	-489.	-85.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5446.2	5440.4	-5.82
88	-4669.	0.	4611.	27.	0.	-23.	10.	0.	0.	0.	0.	101.	-501.	-85.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5389.3	5381.7	-7.65

89	-4611.	0.	3843.	23.	0.	-107.	10.	0.	0.	942.	0.	103.	-514.	-85.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-5428.2	5554.2	126.06
90	-3843.	0.	3667.	107.	0.	-79.	10.	0.	0.	0.	0.	114.	-461.	-84.	0.	0.	-112.	0.	0.	0.	632.	0.	0.	-4579.6	4530.1	-49.45
91	-3667.	0.	3540.	79.	0.	-30.	10.	0.	0.	0.	0.	228.	-807.	-151.	0.	0.	-424.	0.	0.	0.	1144.	0.	0.	-5078.4	5002.2	-76.24
92	-3540.	0.	3490.	30.	0.	-15.	10.	0.	0.	0.	0.	233.	-799.	-151.	0.	0.	-424.	0.	0.	0.	1145.	0.	0.	-4929.5	4908.1	-21.36
93	-3490.	0.	3461.	15.	0.	-11.	10.	0.	0.	0.	0.	236.	-796.	-152.	0.	0.	-424.	0.	0.	0.	1145.	0.	0.	-4873.4	4867.4	-5.93
94	-3461.	0.	3439.	11.	0.	-10.	10.	0.	0.	0.	0.	238.	-796.	-152.	0.	0.	-424.	0.	0.	0.	1145.	0.	0.	-4843.8	4842.7	-1.13
95	-3439.	0.	3417.	10.	0.	-11.	10.	0.	0.	0.	0.	239.	-796.	-153.	0.	0.	-424.	0.	0.	0.	1145.	0.	0.	-4822.0	4822.4	0.40
96	-3417.	0.	3395.	11.	0.	-11.	10.	0.	0.	0.	0.	241.	-796.	-154.	0.	0.	-424.	0.	0.	0.	1146.	0.	0.	-4802.0	4802.9	0.93
97	-3395.	0.	3373.	11.	0.	-12.	10.	0.	0.	0.	0.	243.	-796.	-154.	0.	0.	-424.	0.	0.	0.	1146.	0.	0.	-4781.9	4783.0	1.13
98	-3373.	0.	3349.	12.	0.	-13.	10.	0.	0.	0.	0.	245.	-796.	-155.	0.	0.	-425.	0.	0.	0.	1146.	0.	0.	-4761.2	4762.4	1.22
99	-3349.	0.	3325.	13.	0.	-14.	10.	0.	0.	0.	0.	247.	-796.	-156.	0.	0.	-425.	0.	0.	0.	1146.	0.	0.	-4739.6	4740.9	1.27
100	-3325.	0.	3299.	14.	0.	-14.	10.	0.	0.	0.	0.	249.	-797.	-156.	0.	0.	-425.	0.	0.	0.	1147.	0.	0.	-4717.2	4718.4	1.28
101	-3299.	0.	3272.	14.	0.	-15.	10.	0.	0.	0.	0.	251.	-798.	-157.	0.	0.	-425.	0.	0.	0.	1147.	0.	0.	-4693.7	4695.0	1.26
102	-3272.	0.	3244.	15.	0.	-16.	10.	0.	0.	0.	0.	254.	-798.	-158.	0.	0.	-425.	0.	0.	0.	1147.	0.	0.	-4669.3	4670.5	1.19
103	-3244.	0.	3215.	16.	0.	-17.	10.	0.	0.	0.	0.	256.	-800.	-158.	0.	0.	-425.	0.	0.	0.	1148.	0.	0.	-4644.1	4645.1	1.03
104	-3215.	0.	3185.	17.	0.	-17.	10.	0.	0.	0.	0.	259.	-801.	-159.	0.	0.	-425.	0.	0.	0.	1148.	0.	0.	-4618.1	4618.9	0.77
105	-3185.	0.	3154.	17.	0.	-17.	10.	0.	0.	0.	0.	262.	-804.	-160.	0.	0.	-426.	0.	0.	0.	1148.	0.	0.	-4591.5	4591.9	0.33
106	-3154.	0.	3124.	17.	0.	-17.	10.	0.	0.	0.	0.	265.	-807.	-160.	0.	0.	-426.	0.	0.	0.	1148.	0.	0.	-4564.8	4564.4	-0.33
107	-3124.	0.	3093.	17.	0.	-16.	10.	0.	0.	0.	0.	268.	-812.	-161.	0.	0.	-426.	0.	0.	0.	1149.	0.	0.	-4538.3	4537.0	-1.31
108	-3093.	0.	3065.	16.	0.	-14.	10.	0.	0.	0.	0.	270.	-818.	-162.	0.	0.	-426.	0.	0.	0.	1149.	0.	0.	-4513.0	4510.2	-2.78
109	-3065.	0.	3039.	14.	0.	-11.	10.	0.	0.	0.	0.	273.	-827.	-162.	0.	0.	-426.	0.	0.	0.	1149.	0.	0.	-4489.8	4484.9	-4.91
110	-3039.	0.	3018.	11.	0.	-5.	10.	0.	0.	0.	0.	274.	-839.	-162.	0.	0.	-426.	0.	0.	0.	1150.	0.	0.	-4470.6	4462.7	-7.97
111	-3018.	0.	3005.	5.	0.	4.	10.	0.	0.	0.	0.	275.	-855.	-162.	0.	0.	-426.	0.	0.	0.	1150.	0.	0.	-4461.8	4449.5	-12.35
112	-3005.	0.	3005.	-4.	0.	17.	10.	0.	0.	0.	0.	274.	-878.	-162.	0.	0.	-427.	0.	0.	0.	1150.	0.	0.	-4476.1	4457.5	-18.59
113	-3005.	0.	3024.	-17.	0.	37.	10.	0.	0.	0.	0.	271.	-909.	-162.	0.	0.	-427.	0.	0.	0.	1150.	0.	0.	-4520.7	4493.2	-27.43
114	-3024.	0.	3070.	-37.	0.	66.	10.	0.	0.	0.	0.	265.	-953.	-161.	0.	0.	-427.	0.	0.	0.	1151.	0.	0.	-4602.1	4562.2	-39.92
115	-3070.	0.	3156.	-66.	0.	108.	10.	0.	0.	0.	0.	254.	-1013.	-160.	0.	0.	-427.	0.	0.	0.	1151.	0.	0.	-4736.4	4678.9	-57.49
116	-3156.	0.	3299.	-108.	0.	167.	10.	0.	0.	0.	0.	236.	-1096.	-159.	0.	0.	-427.	0.	0.	0.	1151.	0.	0.	-4946.2	4864.0	-82.15
117	-3299.	0.	1254.	-167.	0.	-143.	10.	0.	0.	3084.	0.	209.	-1211.	-158.	0.	0.	-427.	0.	0.	0.	1151.	0.	0.	-5405.7	5708.0	302.29
118	-1254.	0.	1177.	143.	0.	6.	10.	0.	0.	0.	0.	232.	-959.	-154.	0.	0.	-427.	0.	0.	0.	1152.	0.	0.	-2793.8	2720.3	-73.51

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

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 DECA	ORG-N BKGD	NCM BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG	MAC OUT	TOT IN	TOT
119	-1177.	0.	1173.	-6.	0.	38.	10.	0.	0.	0.	231.	-860.	-150.	0.	0.	-428.	0.	0.	0.	1152.	0.	0.	-2620.2	2604.8	-15.42
120	-1173.	0.	1185.	-38.	0.	35.	10.	0.	0.	0.	0.	225.	-821.	-147.	0.	0.	-428.	0.	0.	0.	1152.	0.	0.	-2606.6	2608.0	1.38
121	-1185.	0.	1195.	-35.	0.	26.	10.	0.	0.	0.	0.	219.	-805.	-145.	0.	0.	-428.	0.	0.	0.	1153.	0.	0.	-2598.5	2603.2	4.70
122	-1195.	0.	1201.	-26.	0.	17.	10.	0.	0.	0.	0.	215.	-799.	-144.	0.	0.	-428.	0.	0.	0.	1153.	0.	0.	-2591.9	2596.1	4.20
123	-1201.	0.	1202.	-17.	0.	11.	10.	0.	0.	0.	0.	212.	-796.	-143.	0.	0.	-428.	0.	0.	0.	1153.	0.	0.	-2585.5	2588.6	3.03
124	-1202.	0.	1201.	-11.	0.	6.	10.	0.	0.	0.	0.	210.	-795.	-143.	0.	0.	-428.	0.	0.	0.	1153.	0.	0.	-2578.8	2580.9	2.08
125	-1201.	0.	1197.	-6.	0.	3.	10.	0.	0.	0.	0.	209.	-793.	-143.	0.	0.	-428.	0.	0.	0.	1154.	0.	0.	-2571.3	2572.9	1.54
126	-1197.	0.	1191.	-3.	0.	0.	10.	0.	0.	0.	0.	209.	-791.	-143.	0.	0.	-429.	0.	0.	0.	1154.	0.	0.	-2562.6	2564.1	1.47
127	-1191.	0.	1184.	0.	0.	-4.	10.	0.	0.	0.	0.	209.	-788.	-143.	0.	0.	-429.	0.	0.	0.	1154.	0.	0.	-2555.6	2557.6	1.92
128	-1184.	0.	1175.	4.	0.	-10.	10.	0.	0.	0.	0.	209.	-783.	-143.	0.	0.	-429.	0.	0.	0.	1155.	0.	0.	-2549.5	2553.8	4.26
129	-1175.	0.	1162.	10.	0.	0.	10.	0.	0.	0.	0.	102.	-354.	-66.	0.	0.	-227.	0.	0.	0.	531.	0.	0.	-1822.0	1815.2	-6.77
130	-1162.	0.	1156.	0.	0.	4.	10.	0.	0.	0.	0.	102.	-351.	-66.	0.	0.	-227.	0.	0.	0.	532.	0.	0.	-1806.6	1803.2	-3.40
131	-1156.	0.	1153.	-4.	0.	5.	10.	0.	0.	0.	0.	101.	-351.	-66.	0.	0.	-227.	0.	0.	0.	533.	0.	0.	-1802.7	1801.6	-1.09
132	-1153.	0.	1151.	-5.	0.	5.	10.	0.	0.	0.	0.	100.	-350.	-66.	0.	0.	-226.	0.	0.	0.	534.	0.	0.	-1800.4	1800.1	-0.33
133	-1151.	0.	1149.	-5.	0.	5.	10.	0.	0.	0.	0.	99.	-350.	-66.	0.	0.	-226.	0.	0.	0.	535.	0.	0.	-1798.6	1798.5	-0.09
134	-1149.	0.	1147.	-5.	0.	5.	10.	0.	0.	0.	0.	98.	-350.	-66.	0.	0.	-226.	0.	0.	0.	536.	0.	0.	-1796.9	1796.9	-0.01
135	-1147.	0.	1145.	-5.	0.	5.	10.	0.	0.	0.	0.	97.	-350.	-66.	0.	0.	-226.	0.	0.	0.	537.	0.	0.	-1795.2	1795.2	0.02

136	-1145.	0.	1144.	-5.	0.	5.	10.	0.	0.	0.	0.	97.	-350.	-66.	0.	0.	-226.	0.	0.	0.	538.	0.	0.	-1793.4	1793.4	0.03
137	-1144.	0.	1142.	-5.	0.	5.	10.	0.	0.	0.	0.	96.	-350.	-66.	0.	0.	-226.	0.	0.	0.	539.	0.	0.	-1791.5	1791.5	0.03
138	-1142.	0.	1140.	-5.	0.	5.	10.	0.	0.	0.	0.	95.	-350.	-66.	0.	0.	-226.	0.	0.	0.	540.	0.	0.	-1789.5	1789.6	0.04
139	-1140.	0.	1138.	-5.	0.	5.	10.	0.	0.	0.	0.	94.	-350.	-66.	0.	0.	-226.	0.	0.	0.	541.	0.	0.	-1787.5	1787.5	0.03
140	-1138.	0.	1135.	-5.	0.	5.	10.	0.	0.	0.	0.	93.	-350.	-66.	0.	0.	-226.	0.	0.	0.	542.	0.	0.	-1785.3	1785.3	0.04
141	-1135.	0.	1133.	-5.	0.	5.	10.	0.	0.	0.	0.	92.	-350.	-67.	0.	0.	-226.	0.	0.	0.	543.	0.	0.	-1783.0	1783.1	0.04
142	-1133.	0.	1131.	-5.	0.	5.	10.	0.	0.	0.	0.	91.	-350.	-67.	0.	0.	-226.	0.	0.	0.	544.	0.	0.	-1780.7	1780.7	0.04
143	-1131.	0.	1128.	-5.	0.	5.	10.	0.	0.	0.	0.	90.	-350.	-67.	0.	0.	-226.	0.	0.	0.	545.	0.	0.	-1778.2	1778.3	0.04
144	-1128.	0.	1125.	-5.	0.	5.	10.	0.	0.	0.	0.	89.	-350.	-67.	0.	0.	-226.	0.	0.	0.	546.	0.	0.	-1775.6	1775.7	0.04
145	-1125.	0.	1123.	-5.	0.	5.	10.	0.	0.	0.	0.	89.	-350.	-67.	0.	0.	-226.	0.	0.	0.	547.	0.	0.	-1772.9	1773.0	0.05
146	-1123.	0.	1120.	-5.	0.	5.	10.	0.	0.	0.	0.	88.	-350.	-67.	0.	0.	-226.	0.	0.	0.	548.	0.	0.	-1770.1	1770.2	0.05
147	-1120.	0.	1117.	-5.	0.	5.	10.	0.	0.	0.	0.	87.	-350.	-67.	0.	0.	-226.	0.	0.	0.	549.	0.	0.	-1767.2	1767.2	0.05
148	-1117.	0.	1113.	-5.	0.	5.	10.	0.	0.	0.	0.	86.	-350.	-67.	0.	0.	-226.	0.	0.	0.	550.	0.	0.	-1764.1	1764.2	0.06
149	-1113.	0.	1110.	-5.	0.	5.	10.	0.	0.	0.	0.	85.	-350.	-67.	0.	0.	-225.	0.	0.	0.	551.	0.	0.	-1761.0	1761.0	0.06
150	-1110.	0.	1107.	-5.	0.	4.	10.	0.	0.	0.	0.	85.	-350.	-67.	0.	0.	-225.	0.	0.	0.	552.	0.	0.	-1757.6	1757.7	0.07
151	-1107.	0.	1103.	-4.	0.	4.	10.	0.	0.	0.	0.	84.	-350.	-68.	0.	0.	-225.	0.	0.	0.	553.	0.	0.	-1754.2	1754.3	0.08
152	-1103.	0.	1099.	-4.	0.	4.	10.	0.	0.	0.	0.	83.	-350.	-68.	0.	0.	-225.	0.	0.	0.	554.	0.	0.	-1750.6	1750.7	0.08
153	-1099.	0.	1096.	-4.	0.	4.	10.	0.	0.	0.	0.	82.	-350.	-68.	0.	0.	-225.	0.	0.	0.	555.	0.	0.	-1746.8	1746.9	0.09
154	-1096.	0.	1091.	-4.	0.	4.	10.	0.	0.	0.	0.	82.	-350.	-68.	0.	0.	-225.	0.	0.	0.	556.	0.	0.	-1742.9	1743.0	0.10
155	-1091.	0.	1087.	-4.	0.	4.	10.	0.	0.	0.	0.	81.	-350.	-68.	0.	0.	-225.	0.	0.	0.	557.	0.	0.	-1738.8	1738.9	0.11
156	-1087.	0.	1083.	-4.	0.	3.	10.	0.	0.	0.	0.	80.	-350.	-68.	0.	0.	-225.	0.	0.	0.	558.	0.	0.	-1734.5	1734.6	0.13
157	-1083.	0.	1078.	-3.	0.	3.	10.	0.	0.	0.	0.	80.	-350.	-69.	0.	0.	-225.	0.	0.	0.	559.	0.	0.	-1730.0	1730.1	0.14
158	-1078.	0.	1073.	-3.	0.	3.	10.	0.	0.	0.	0.	79.	-350.	-69.	0.	0.	-225.	0.	0.	0.	560.	0.	0.	-1725.3	1725.4	0.16
159	-1073.	0.	1068.	-3.	0.	3.	10.	0.	0.	0.	0.	79.	-350.	-69.	0.	0.	-225.	0.	0.	0.	561.	0.	0.	-1720.3	1720.5	0.18
160	-1068.	0.	1063.	-3.	0.	2.	10.	0.	0.	0.	0.	78.	-350.	-69.	0.	0.	-225.	0.	0.	0.	562.	0.	0.	-1715.1	1715.3	0.20
161	-1063.	0.	1057.	-2.	0.	2.	10.	0.	0.	0.	0.	78.	-350.	-70.	0.	0.	-225.	0.	0.	0.	563.	0.	0.	-1709.7	1709.9	0.22
162	-1057.	0.	1051.	-2.	0.	2.	10.	0.	0.	0.	0.	78.	-350.	-70.	0.	0.	-225.	0.	0.	0.	564.	0.	0.	-1703.9	1704.2	0.25
163	-1051.	0.	1045.	-2.	0.	1.	10.	0.	0.	0.	0.	77.	-350.	-70.	0.	0.	-225.	0.	0.	0.	565.	0.	0.	-1697.9	1698.2	0.28
164	-1045.	0.	1038.	-1.	0.	1.	10.	0.	0.	0.	0.	77.	-350.	-71.	0.	0.	-225.	0.	0.	0.	566.	0.	0.	-1691.5	1691.8	0.31
165	-1038.	0.	1031.	-1.	0.	0.	10.	0.	0.	0.	0.	77.	-350.	-71.	0.	0.	-225.	0.	0.	0.	567.	0.	0.	-1684.8	1685.1	0.33
166	-1031.	0.	1024.	0.	0.	0.	10.	0.	0.	0.	0.	77.	-350.	-72.	0.	0.	-224.	0.	0.	0.	568.	0.	0.	-1677.9	1678.3	0.36
167	-1024.	0.	1016.	0.	0.	-1.	10.	0.	0.	0.	0.	77.	-351.	-72.	0.	0.	-224.	0.	0.	0.	568.	0.	0.	-1671.3	1671.7	0.37
168	-1016.	0.	1007.	1.	0.	-1.	10.	0.	0.	0.	0.	77.	-351.	-72.	0.	0.	-224.	0.	0.	0.	569.	0.	0.	-1664.7	1665.1	0.37
169	-1007.	0.	999.	1.	0.	-2.	10.	0.	0.	0.	0.	77.	-351.	-73.	0.	0.	-224.	0.	0.	0.	570.	0.	0.	-1657.8	1658.1	0.33
170	-999.	0.	989.	2.	0.	-2.	10.	0.	0.	0.	0.	78.	-352.	-74.	0.	0.	-224.	0.	0.	0.	571.	0.	0.	-1650.6	1650.8	0.24
171	-989.	0.	980.	2.	0.	-3.	10.	0.	0.	0.	0.	78.	-353.	-74.	0.	0.	-224.	0.	0.	0.	572.	0.	0.	-1643.1	1643.2	0.05
172	-980.	0.	970.	3.	0.	-2.	10.	0.	0.	0.	0.	79.	-354.	-75.	0.	0.	-224.	0.	0.	0.	573.	0.	0.	-1635.6	1635.2	-0.30
173	-970.	0.	961.	2.	0.	-1.	10.	0.	0.	0.	0.	79.	-357.	-75.	0.	0.	-224.	0.	0.	0.	574.	0.	0.	-1627.9	1627.0	-0.93
174	-961.	0.	953.	1.	0.	1.	10.	0.	0.	0.	0.	79.	-361.	-76.	0.	0.	-224.	0.	0.	0.	575.	0.	0.	-1622.1	1620.1	-1.99
175	-953.	0.	946.	-1.	0.	7.	10.	0.	0.	0.	0.	79.	-367.	-77.	0.	0.	-224.	0.	0.	0.	576.	0.	0.	-1621.9	1618.2	-3.75
176	-946.	0.	943.	-7.	0.	16.	10.	0.	0.	0.	0.	78.	-377.	-77.	0.	0.	-224.	0.	0.	0.	577.	0.	0.	-1630.9	1624.3	-6.66
177	-943.	0.	947.	-16.	0.	32.	10.	0.	0.	0.	0.	75.	-393.	-78.	0.	0.	-224.	0.	0.	0.	578.	0.	0.	-1653.5	1642.0	-11.43

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WSLD OUT	WITH IN	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
178	-947.	0.	961.	-32.	0.	59.	10.	0.	0.	0.	0.	70.	-418.	-78.	0.	0.	-224.	0.	0.	0.	579.	0.	0.	-1698.5	1679.3	-19.17
179	-961.	0.	995.	-59.	0.	104.	10.	0.	0.	0.	0.	60.	-458.	-78.	0.	0.	-224.	0.	0.	0.	580.	0.	0.	-1780.5	1748.8	-31.71
180	-995.	0.	1059.	-104.	0.	178.	10.	0.	0.	0.	0.	42.	-522.	-79.	0.	0.	-224.	0.	0.	0.	581.	0.	0.	-1923.0	1871.0	-51.94
181	-1059.	0.	-175.	-178.	0.	-212.	10.	0.	0.	2230.	-158.	11.	-624.	-78.	0.	0.	-224.	0.	0.	0.	582.	0.	0.	-2708.8	2833.8	125.01
182	175.	0.	-162.	212.	0.	-81.	10.	0.	0.	0.	0.	48.	-485.	-77.	0.	0.	-224.	0.	0.	0.	583.	0.	0.	-1028.8	1028.7	-0.12

183	162.	0.	-161.	81.	0.	-22.	10.	0.	0.	0.	0.	62.	-416.	-76.	0.	0.	-223.	0.	0.	0.	584.	0.	0.	-899.6	899.5	-0.10
184	161.	0.	-167.	22.	0.	3.	10.	0.	0.	0.	0.	66.	-383.	-75.	0.	0.	-223.	0.	0.	0.	585.	0.	0.	-847.7	847.6	-0.10
185	167.	0.	-175.	-3.	0.	13.	10.	0.	0.	0.	0.	65.	-366.	-74.	0.	0.	-223.	0.	0.	0.	586.	0.	0.	-841.1	841.0	-0.10
186	175.	0.	-185.	-13.	0.	16.	10.	0.	0.	0.	0.	63.	-358.	-72.	0.	0.	-223.	0.	0.	0.	587.	0.	0.	-851.4	851.3	-0.10
187	185.	0.	-195.	-16.	0.	16.	10.	0.	0.	0.	0.	60.	-354.	-71.	0.	0.	-223.	0.	0.	0.	588.	0.	0.	-859.5	859.4	-0.10
188	195.	0.	-206.	-16.	0.	15.	10.	0.	0.	0.	0.	58.	-352.	-70.	0.	0.	-223.	0.	0.	0.	589.	0.	0.	-867.2	867.1	-0.10
189	206.	0.	-217.	-15.	0.	13.	10.	0.	0.	0.	0.	55.	-351.	-70.	0.	0.	-223.	0.	0.	0.	590.	0.	0.	-874.9	874.8	-0.11
190	217.	0.	-227.	-13.	0.	12.	10.	0.	0.	0.	0.	53.	-350.	-69.	0.	0.	-223.	0.	0.	0.	591.	0.	0.	-882.9	882.8	-0.11
191	227.	0.	-238.	-12.	0.	11.	10.	0.	0.	0.	0.	51.	-350.	-68.	0.	0.	-223.	0.	0.	0.	592.	0.	0.	-891.2	891.1	-0.11
192	238.	0.	-248.	-11.	0.	10.	10.	0.	0.	0.	0.	49.	-350.	-68.	0.	0.	-223.	0.	0.	0.	593.	0.	0.	-899.9	899.8	-0.11
193	248.	0.	-259.	-10.	0.	9.	10.	0.	0.	0.	0.	47.	-350.	-68.	0.	0.	-223.	0.	0.	0.	594.	0.	0.	-908.9	908.8	-0.11
194	259.	0.	-269.	-9.	0.	9.	10.	0.	0.	0.	0.	46.	-350.	-67.	0.	0.	-223.	0.	0.	0.	595.	0.	0.	-918.1	918.0	-0.11
195	269.	0.	-279.	-9.	0.	8.	10.	0.	0.	0.	0.	44.	-350.	-67.	0.	0.	-223.	0.	0.	0.	596.	0.	0.	-927.5	927.4	-0.12
196	279.	0.	-290.	-8.	0.	8.	10.	0.	0.	0.	0.	43.	-350.	-67.	0.	0.	-223.	0.	0.	0.	597.	0.	0.	-937.1	937.0	-0.12
197	290.	0.	-300.	-8.	0.	7.	10.	0.	0.	0.	0.	42.	-350.	-67.	0.	0.	-223.	0.	0.	0.	598.	0.	0.	-946.8	946.7	-0.12
198	300.	0.	-311.	-7.	0.	7.	10.	0.	0.	0.	0.	40.	-350.	-66.	0.	0.	-223.	0.	0.	0.	599.	0.	0.	-956.7	956.6	-0.12
199	311.	0.	-321.	-7.	0.	7.	10.	0.	0.	0.	0.	39.	-350.	-66.	0.	0.	-223.	0.	0.	0.	600.	0.	0.	-966.7	966.6	-0.12
200	321.	0.	-332.	-7.	0.	7.	10.	0.	0.	0.	0.	38.	-350.	-66.	0.	0.	-222.	0.	0.	0.	601.	0.	0.	-976.8	976.7	-0.12
201	332.	0.	-342.	-7.	0.	6.	10.	0.	0.	0.	0.	37.	-350.	-66.	0.	0.	-222.	0.	0.	0.	602.	0.	0.	-987.0	986.9	-0.12
202	342.	0.	-353.	-6.	0.	6.	10.	0.	0.	0.	0.	36.	-350.	-66.	0.	0.	-222.	0.	0.	0.	603.	0.	0.	-997.3	997.2	-0.12
203	353.	0.	-363.	-6.	0.	6.	10.	0.	0.	0.	0.	35.	-350.	-66.	0.	0.	-222.	0.	0.	0.	604.	0.	0.	-1007.7	1007.5	-0.13
204	363.	0.	-374.	-6.	0.	6.	10.	0.	0.	0.	0.	34.	-350.	-66.	0.	0.	-222.	0.	0.	0.	605.	0.	0.	-1018.1	1018.0	-0.13
205	374.	0.	-385.	-6.	0.	6.	10.	0.	0.	0.	0.	33.	-350.	-66.	0.	0.	-222.	0.	0.	0.	606.	0.	0.	-1028.6	1028.5	-0.13
206	385.	0.	-395.	-6.	0.	6.	10.	0.	0.	0.	0.	32.	-350.	-66.	0.	0.	-222.	0.	0.	0.	607.	0.	0.	-1039.1	1039.0	-0.13
207	395.	0.	-406.	-6.	0.	6.	10.	0.	0.	0.	0.	31.	-350.	-66.	0.	0.	-222.	0.	0.	0.	608.	0.	0.	-1049.7	1049.5	-0.13
208	406.	0.	-417.	-6.	0.	5.	10.	0.	0.	0.	0.	30.	-350.	-66.	0.	0.	-222.	0.	0.	0.	609.	0.	0.	-1060.2	1060.1	-0.13
209	417.	0.	-428.	-5.	0.	5.	10.	0.	0.	0.	0.	29.	-350.	-66.	0.	0.	-222.	0.	0.	0.	610.	0.	0.	-1070.7	1070.5	-0.13
210	428.	0.	-438.	-5.	0.	4.	10.	0.	0.	0.	0.	28.	-350.	-66.	0.	0.	-222.	0.	0.	0.	611.	0.	0.	-1080.9	1080.8	-0.13
211	438.	0.	-449.	-4.	0.	3.	10.	0.	0.	0.	0.	27.	-350.	-66.	0.	0.	-222.	0.	0.	0.	612.	0.	0.	-1090.8	1090.7	-0.13
212	449.	0.	-459.	-3.	0.	1.	10.	0.	0.	0.	0.	27.	-350.	-66.	0.	0.	-222.	0.	0.	0.	612.	0.	0.	-1100.1	1099.9	-0.14
213	459.	0.	-469.	-1.	0.	-2.	10.	0.	0.	0.	0.	27.	-350.	-66.	0.	0.	-222.	0.	0.	0.	613.	0.	0.	-1109.8	1109.7	-0.14
214	469.	0.	-478.	2.	0.	-7.	10.	0.	0.	0.	0.	27.	-350.	-66.	0.	0.	-222.	0.	0.	0.	614.	0.	0.	-1122.6	1122.5	-0.14
215	478.	0.	-486.	7.	0.	-15.	10.	0.	0.	0.	0.	28.	-351.	-66.	0.	0.	-222.	0.	0.	0.	615.	0.	0.	-1138.6	1138.5	-0.14
216	486.	0.	-491.	15.	0.	-28.	10.	0.	0.	0.	0.	31.	-351.	-66.	0.	0.	-222.	0.	0.	0.	616.	0.	0.	-1157.7	1157.5	-0.13
217	491.	0.	-491.	28.	0.	-48.	10.	0.	0.	0.	0.	35.	-354.	-67.	0.	0.	-222.	0.	0.	0.	617.	0.	0.	-1181.3	1181.2	-0.13
218	491.	0.	-485.	48.	0.	-79.	10.	0.	0.	0.	0.	44.	-359.	-67.	0.	0.	-221.	0.	0.	0.	618.	0.	0.	-1211.8	1211.6	-0.12
219	485.	0.	-468.	79.	0.	-123.	10.	0.	0.	0.	0.	57.	-371.	-68.	0.	0.	-221.	0.	0.	0.	619.	0.	0.	-1251.1	1251.0	-0.11
220	468.	0.	-435.	123.	0.	-172.	10.	0.	0.	0.	0.	78.	-401.	-70.	0.	0.	-221.	0.	0.	0.	620.	0.	0.	-1299.1	1299.0	-0.08
221	435.	0.	5683.	172.	0.	-32.	10.	0.	0.	0.	-6067.	108.	-473.	-72.	0.	0.	-221.	0.	0.	0.	621.	0.	0.	-6865.3	7028.9	163.53
222	-5683.	0.	5512.	32.	0.	4.	10.	0.	0.	0.	0.	114.	-502.	-72.	0.	0.	-221.	0.	0.	0.	622.	0.	0.	-6477.9	6294.9	-182.98
223	-5512.	0.	5525.	-4.	0.	13.	10.	0.	0.	0.	0.	113.	-522.	-73.	0.	0.	-221.	0.	0.	0.	623.	0.	0.	-6332.6	6285.1	-47.50
224	-5525.	0.	5586.	-13.	0.	30.	10.	0.	0.	0.	0.	111.	-544.	-73.	0.	0.	-221.	0.	0.	0.	624.	0.	0.	-6376.7	6360.4	-16.24
405	-5586.	2525.	3334.	-30.	0.	-90.	13.	0.	0.	0.	0.	88.	-486.	-63.	0.	0.	-58.	0.	0.	0.	537.	0.	0.	-6312.3	6497.6	185.31
406	-3334.	0.	3223.	90.	0.	-49.	13.	0.	0.	0.	0.	93.	-500.	-63.	0.	0.	-58.	0.	0.	0.	537.	0.	0.	-4002.8	3956.1	-46.72
407	-3223.	0.	3159.	49.	0.	-28.	13.	0.	0.	0.	0.	96.	-506.	-62.	0.	0.	-58.	0.	0.	0.	536.	0.	0.	-3877.4	3853.7	-23.72
408	-3159.	0.	3119.	28.	0.	-17.	13.	0.	0.	0.	0.	98.	-510.	-62.	0.	0.	-58.	0.	0.	0.	536.	0.	0.	-3806.4	3794.0	-12.36
409	-3119.	0.	3092.	17.	0.	-11.	13.	0.	0.	0.	0.	98.	-513.	-62.	0.	0.	-58.	0.	0.	0.	535.	0.	0.	-3763.1	3756.1	-6.98
410	-3092.	0.	3071.	11.	0.	-7.	13.	0.	0.	0.	0.	99.	-516.	-62.	0.	0.	-58.	0.	0.	0.	535.	0.	0.	-3734.1	3729.5	-4.62
411	-3071.	0.	3055.	7.	0.	-4.	13.	0.	0.	0.	0.	99.	-519.	-62.	0.	0.	-58.	0.	0.	0.	534.	0.	0.	-3713.2	3709.4	-3.77
412	-3055.	0.	3043.	4.	0.	0.	13.	0.	0.	0.	0.	100.	-522.	-62.	0.	0.	-58.	0.	0.	0.	534.	0.	0.	-3697.3	3693.6	-3.69

413	-3043.	0.	3080.	0.	0.	43.	13.	0.	0.	94.	-224.	100.	-526.	-62.	0.	0.	-58.	0.	0.	0.	534.	0.	0.	-3912.6	3863.6	-49.02
414	-3080.	0.	3120.	-43.	0.	17.	13.	0.	0.	0.	0.	97.	-510.	-62.	0.	0.	-58.	0.	0.	0.	533.	0.	0.	-3751.7	3781.2	29.44
415	-3120.	0.	3131.	-17.	0.	2.	13.	0.	0.	0.	0.	96.	-503.	-61.	0.	0.	-58.	0.	0.	0.	533.	0.	0.	-3759.4	3776.0	16.61
416	-3131.	0.	3125.	-2.	0.	-6.	13.	0.	0.	0.	0.	96.	-500.	-61.	0.	0.	-58.	0.	0.	0.	532.	0.	0.	-3758.6	3767.5	8.92

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

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
417	-3125.	0.	3111.	6.	0.	-10.	13.	0.	0.	0.	0.	97.	-499.	-61.	0.	0.	-58.	0.	0.	0.	532.	0.	0.	-3753.7	3758.4	4.69
418	-3111.	0.	3091.	10.	0.	-12.	13.	0.	0.	0.	0.	97.	-499.	-61.	0.	0.	-58.	0.	0.	0.	532.	0.	0.	-3740.9	3743.4	2.50
419	-3091.	0.	3070.	12.	0.	-13.	13.	0.	0.	0.	0.	98.	-499.	-61.	0.	0.	-58.	0.	0.	0.	531.	0.	0.	-3722.7	3724.1	1.40
420	-3070.	0.	3046.	13.	0.	-14.	13.	0.	0.	0.	0.	99.	-499.	-62.	0.	0.	-58.	0.	0.	0.	531.	0.	0.	-3701.7	3702.5	0.85
421	-3046.	0.	3022.	14.	0.	-15.	13.	0.	0.	0.	0.	99.	-499.	-62.	0.	0.	-58.	0.	0.	0.	530.	0.	0.	-3679.1	3679.7	0.60
422	-3022.	0.	2998.	15.	0.	-15.	13.	0.	0.	0.	0.	100.	-499.	-62.	0.	0.	-58.	0.	0.	0.	530.	0.	0.	-3655.7	3656.2	0.48
423	-2998.	0.	2973.	15.	0.	-16.	13.	0.	0.	0.	0.	101.	-499.	-62.	0.	0.	-58.	0.	0.	0.	530.	0.	0.	-3631.7	3632.1	0.44
424	-2973.	0.	2948.	16.	0.	-16.	13.	0.	0.	0.	0.	102.	-499.	-62.	0.	0.	-58.	0.	0.	0.	529.	0.	0.	-3607.2	3607.7	0.43
425	-2948.	0.	2922.	16.	0.	-17.	13.	0.	0.	0.	0.	103.	-499.	-62.	0.	0.	-58.	0.	0.	0.	529.	0.	0.	-3582.4	3582.8	0.44
426	-2922.	0.	2896.	17.	0.	-17.	13.	0.	0.	0.	0.	104.	-499.	-62.	0.	0.	-58.	0.	0.	0.	528.	0.	0.	-3557.2	3557.7	0.45
427	-2896.	0.	2869.	17.	0.	-17.	13.	0.	0.	0.	0.	105.	-499.	-62.	0.	0.	-58.	0.	0.	0.	528.	0.	0.	-3531.7	3532.1	0.47
428	-2869.	0.	2842.	17.	0.	-18.	13.	0.	0.	0.	0.	105.	-499.	-62.	0.	0.	-58.	0.	0.	0.	528.	0.	0.	-3505.8	3506.3	0.49
429	-2842.	0.	2815.	18.	0.	-18.	13.	0.	0.	0.	0.	106.	-499.	-62.	0.	0.	-58.	0.	0.	0.	527.	0.	0.	-3479.5	3480.0	0.51
430	-2815.	0.	2787.	18.	0.	-19.	13.	0.	0.	0.	0.	107.	-499.	-62.	0.	0.	-58.	0.	0.	0.	527.	0.	0.	-3452.9	3453.4	0.53
431	-2787.	0.	2759.	19.	0.	-19.	13.	0.	0.	0.	0.	108.	-499.	-62.	0.	0.	-58.	0.	0.	0.	526.	0.	0.	-3425.8	3426.4	0.55
432	-2759.	0.	2731.	19.	0.	-20.	13.	0.	0.	0.	0.	110.	-499.	-62.	0.	0.	-58.	0.	0.	0.	526.	0.	0.	-3398.4	3399.0	0.57
433	-2731.	0.	2702.	20.	0.	-21.	13.	0.	0.	0.	0.	111.	-499.	-62.	0.	0.	-58.	0.	0.	0.	525.	0.	0.	-3370.5	3371.1	0.60
434	-2702.	0.	2672.	21.	0.	-21.	13.	0.	0.	0.	0.	112.	-499.	-62.	0.	0.	-58.	0.	0.	0.	525.	0.	0.	-3342.2	3342.8	0.61
435	-2672.	0.	2642.	21.	0.	-22.	13.	0.	0.	0.	0.	113.	-499.	-62.	0.	0.	-58.	0.	0.	0.	525.	0.	0.	-3313.4	3314.0	0.63
436	-2642.	0.	2611.	22.	0.	-22.	13.	0.	0.	0.	0.	114.	-499.	-63.	0.	0.	-58.	0.	0.	0.	524.	0.	0.	-3284.1	3284.8	0.66
437	-2611.	0.	2580.	22.	0.	-23.	13.	0.	0.	0.	0.	115.	-500.	-63.	0.	0.	-58.	0.	0.	0.	524.	0.	0.	-3254.4	3255.1	0.67
438	-2580.	0.	2548.	23.	0.	-24.	13.	0.	0.	0.	0.	117.	-500.	-63.	0.	0.	-58.	0.	0.	0.	523.	0.	0.	-3224.1	3224.8	0.69
439	-2548.	0.	2516.	24.	0.	-24.	13.	0.	0.	0.	0.	118.	-500.	-63.	0.	0.	-58.	0.	0.	0.	523.	0.	0.	-3193.4	3194.1	0.70
440	-2516.	0.	2483.	24.	0.	-25.	13.	0.	0.	0.	0.	119.	-500.	-63.	0.	0.	-58.	0.	0.	0.	523.	0.	0.	-3162.1	3162.8	0.71
441	-2483.	0.	2450.	25.	0.	-26.	13.	0.	0.	0.	0.	121.	-501.	-63.	0.	0.	-58.	0.	0.	0.	522.	0.	0.	-3130.3	3131.0	0.72
442	-2450.	0.	2416.	26.	0.	-26.	13.	0.	0.	0.	0.	122.	-501.	-63.	0.	0.	-58.	0.	0.	0.	522.	0.	0.	-3098.0	3098.7	0.71
443	-2416.	0.	2381.	26.	0.	-27.	13.	0.	0.	0.	0.	123.	-501.	-63.	0.	0.	-58.	0.	0.	0.	521.	0.	0.	-3065.2	3065.9	0.70
444	-2381.	0.	2346.	27.	0.	-28.	13.	0.	0.	0.	0.	125.	-502.	-63.	0.	0.	-58.	0.	0.	0.	521.	0.	0.	-3031.8	3032.5	0.69
445	-2346.	0.	2311.	28.	0.	-28.	13.	0.	0.	0.	0.	126.	-503.	-63.	0.	0.	-58.	0.	0.	0.	521.	0.	0.	-2998.0	2998.7	0.66
446	-2311.	0.	2274.	28.	0.	-29.	13.	0.	0.	0.	0.	128.	-503.	-63.	0.	0.	-58.	0.	0.	0.	520.	0.	0.	-2963.7	2964.3	0.61
447	-2274.	0.	2238.	29.	0.	-30.	13.	0.	0.	0.	0.	130.	-504.	-63.	0.	0.	-58.	0.	0.	0.	520.	0.	0.	-2929.0	2929.5	0.56
448	-2238.	0.	2201.	30.	0.	-30.	13.	0.	0.	0.	0.	131.	-505.	-63.	0.	0.	-58.	0.	0.	0.	519.	0.	0.	-2893.9	2894.3	0.48
449	-2201.	0.	2164.	30.	0.	-30.	13.	0.	0.	0.	0.	133.	-506.	-63.	0.	0.	-58.	0.	0.	0.	519.	0.	0.	-2858.5	2858.8	0.37
450	-2164.	0.	2126.	30.	0.	-31.	13.	0.	0.	0.	0.	134.	-508.	-63.	0.	0.	-58.	0.	0.	0.	518.	0.	0.	-2822.8	2823.1	0.23
451	-2126.	0.	2089.	31.	0.	-31.	13.	0.	0.	0.	0.	136.	-509.	-63.	0.	0.	-58.	0.	0.	0.	518.	0.	0.	-2787.1	2787.1	0.06
452	-2089.	0.	2052.	31.	0.	-30.	13.	0.	0.	0.	0.	138.	-511.	-63.	0.	0.	-58.	0.	0.	0.	518.	0.	0.	-2751.3	2751.2	-0.16
453	-2052.	0.	2015.	30.	0.	-30.	13.	0.	0.	0.	0.	139.	-513.	-63.	0.	0.	-58.	0.	0.	0.	517.	0.	0.	-2715.8	2715.4	-0.43
454	-2015.	0.	1979.	30.	0.	-29.	13.	0.	0.	0.	0.	141.	-516.	-63.	0.	0.	-58.	0.	0.	0.	517.	0.	0.	-2680.7	2680.0	-0.77
455	-1979.	0.	1944.	29.	0.	-28.	13.	0.	0.	0.	0.	143.	-519.	-62.	0.	0.	-58.	0.	0.	0.	516.	0.	0.	-2646.3	2645.1	-1.20
456	-1944.	0.	1910.	28.	0.	-26.	13.	0.	0.	0.	0.	144.	-523.	-62.	0.	0.	-58.	0.	0.	0.	516.	0.	0.	-2613.0	2611.3	-1.72
457	-1910.	0.	1878.	26.	0.	-24.	13.	0.	0.	0.	0.	146.	-528.	-62.	0.	0.	-58.	0.	0.	0.	516.	0.	0.	-2581.1	2578.7	-2.36
458	-1878.	0.	1849.	24.	0.	-20.	13.	0.	0.	0.	0.	147.	-533.	-62.	0.	0.	-58.	0.	0.	0.	515.	0.	0.	-2551.1	2548.0	-3.15
459	-1849.	0.	1823.	20.	0.	-16.	13.	0.	0.	0.	0.	148.	-539.	-61.	0.	0.	-58.	0.	0.	0.	515.	0.	0.	-2523.7	2519.6	-4.11

460	-1823.	0.	1802.	16.	0.	-11.	13.	0.	0.	0.	0.	149.	-547.	-61.	0.	0.	-58.	0.	0.	0.	514.	0.	0.	-2499.7	2494.4	-5.29
461	-1802.	0.	1786.	11.	0.	-4.	13.	0.	0.	0.	0.	149.	-556.	-61.	0.	0.	-58.	0.	0.	0.	514.	0.	0.	-2479.9	2473.2	-6.72
462	-1786.	0.	1777.	4.	0.	5.	13.	0.	0.	0.	0.	150.	-566.	-60.	0.	0.	-58.	0.	0.	0.	514.	0.	0.	-2470.4	2462.0	-8.43
463	-1777.	0.	1776.	-5.	0.	16.	13.	0.	0.	0.	0.	149.	-579.	-60.	0.	0.	-58.	0.	0.	0.	513.	0.	0.	-2478.6	2468.0	-10.53
464	-1776.	0.	1787.	-16.	0.	29.	13.	0.	0.	0.	0.	149.	-594.	-60.	0.	0.	-58.	0.	0.	0.	513.	0.	0.	-2503.6	2490.5	-13.09
465	-1787.	0.	1810.	-29.	0.	46.	13.	0.	0.	0.	0.	147.	-611.	-59.	0.	0.	-58.	0.	0.	0.	512.	0.	0.	-2544.9	2528.7	-16.18
466	-1810.	0.	1850.	-46.	0.	67.	13.	0.	0.	0.	0.	144.	-632.	-59.	0.	0.	-58.	0.	0.	0.	512.	0.	0.	-2606.0	2586.1	-19.90
467	-1850.	0.	1908.	-67.	0.	92.	13.	0.	0.	2.	0.	141.	-658.	-59.	0.	0.	-58.	0.	0.	0.	511.	0.	0.	-2691.3	2667.2	-24.02
468	-1908.	0.	1991.	-92.	0.	121.	13.	0.	0.	0.	0.	136.	-685.	-58.	0.	0.	-58.	0.	0.	0.	511.	0.	0.	-2800.3	2772.5	-27.88
469	-1991.	0.	1534.	-121.	0.	110.	13.	0.	0.	1212.	-523.	129.	-719.	-57.	0.	0.	-58.	0.	0.	0.	511.	0.	0.	-3468.6	3508.6	40.00
470	-1534.	0.	1605.	-110.	0.	111.	13.	0.	0.	0.	0.	123.	-603.	-57.	0.	0.	-58.	0.	0.	0.	510.	0.	0.	-2362.3	2362.1	-0.18
471	-1605.	0.	1675.	-111.	0.	83.	13.	0.	0.	0.	0.	117.	-548.	-57.	0.	0.	-58.	0.	0.	0.	510.	0.	0.	-2379.2	2398.9	19.64
472	-1675.	0.	1726.	-83.	0.	55.	13.	0.	0.	0.	0.	112.	-522.	-57.	0.	0.	-58.	0.	0.	0.	509.	0.	0.	-2396.3	2416.4	20.07
473	-1726.	0.	1757.	-55.	0.	33.	13.	0.	0.	0.	0.	109.	-510.	-57.	0.	0.	-58.	0.	0.	0.	509.	0.	0.	-2406.4	2421.8	15.42
474	-1757.	0.	1772.	-33.	0.	18.	13.	0.	0.	0.	0.	108.	-504.	-57.	0.	0.	-58.	0.	0.	0.	509.	0.	0.	-2409.1	2419.7	10.57
475	-1772.	0.	1777.	-18.	0.	8.	13.	0.	0.	0.	0.	107.	-501.	-57.	0.	0.	-58.	0.	0.	0.	508.	0.	0.	-2406.3	2413.1	6.82

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

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
476	-1777.	0.	1775.	-8.	0.	2.	13.	0.	0.	0.	0.	106.	-500.	-57.	0.	0.	-58.	0.	0.	0.	508.	0.	0.	-2399.8	2404.0	4.25
477	-1775.	0.	1768.	-2.	0.	-2.	13.	0.	0.	0.	0.	106.	-499.	-57.	0.	0.	-58.	0.	0.	0.	507.	0.	0.	-2392.5	2395.1	2.59
478	-1768.	0.	1759.	2.	0.	-4.	13.	0.	0.	0.	0.	106.	-499.	-56.	0.	0.	-58.	0.	0.	0.	507.	0.	0.	-2386.1	2387.6	1.56
479	-1759.	0.	1749.	4.	0.	-5.	13.	0.	0.	0.	0.	106.	-499.	-56.	0.	0.	-58.	0.	0.	0.	507.	0.	0.	-2378.3	2379.2	0.93
480	-1749.	0.	1738.	5.	0.	-6.	13.	0.	0.	0.	0.	107.	-499.	-56.	0.	0.	-58.	0.	0.	0.	506.	0.	0.	-2368.6	2369.1	0.55
481	-1738.	0.	1726.	6.	0.	-7.	13.	0.	0.	0.	0.	107.	-499.	-56.	0.	0.	-58.	0.	0.	0.	506.	0.	0.	-2357.7	2358.0	0.32
482	-1726.	0.	1714.	7.	0.	-7.	13.	0.	0.	0.	0.	107.	-499.	-56.	0.	0.	-58.	0.	0.	0.	505.	0.	0.	-2346.2	2346.3	0.17
483	-1714.	0.	1702.	7.	0.	-7.	13.	0.	0.	0.	0.	108.	-500.	-56.	0.	0.	-58.	0.	0.	0.	505.	0.	0.	-2334.3	2334.3	0.07
484	-1702.	0.	1689.	7.	0.	-7.	13.	0.	0.	0.	0.	108.	-500.	-56.	0.	0.	-58.	0.	0.	0.	504.	0.	0.	-2322.2	2322.2	-0.01
485	-1689.	0.	1677.	7.	0.	-7.	13.	0.	0.	0.	0.	108.	-500.	-56.	0.	0.	-58.	0.	0.	0.	504.	0.	0.	-2310.1	2310.0	-0.09
486	-1677.	0.	1665.	7.	0.	-6.	13.	0.	0.	0.	0.	109.	-501.	-55.	0.	0.	-58.	0.	0.	0.	504.	0.	0.	-2297.9	2297.8	-0.17
487	-1665.	0.	1654.	6.	0.	-6.	13.	0.	0.	0.	0.	109.	-501.	-55.	0.	0.	-58.	0.	0.	0.	503.	0.	0.	-2286.0	2285.7	-0.27
488	-1654.	0.	1642.	6.	0.	-5.	13.	0.	0.	0.	0.	109.	-502.	-55.	0.	0.	-58.	0.	0.	0.	503.	0.	0.	-2274.1	2273.7	-0.39
489	-1642.	0.	1631.	5.	0.	-4.	13.	0.	0.	0.	0.	110.	-503.	-55.	0.	0.	-58.	0.	0.	0.	502.	0.	0.	-2262.6	2262.0	-0.54
490	-1631.	0.	1621.	4.	0.	-3.	13.	0.	0.	0.	0.	110.	-504.	-55.	0.	0.	-58.	0.	0.	0.	502.	0.	0.	-2251.4	2250.6	-0.74
491	-1621.	0.	1611.	3.	0.	-2.	13.	0.	0.	0.	0.	110.	-505.	-55.	0.	0.	-58.	0.	0.	0.	502.	0.	0.	-2240.6	2239.6	-0.99
492	-1611.	0.	1603.	2.	0.	1.	13.	0.	0.	0.	0.	110.	-507.	-55.	0.	0.	-58.	0.	0.	0.	501.	0.	0.	-2231.0	2229.7	-1.31
493	-1603.	0.	1543.	-1.	0.	9.	13.	0.	0.	44.	0.	110.	-509.	-54.	0.	0.	-58.	0.	0.	0.	501.	0.	0.	-2225.1	2219.8	-5.23
494	-1543.	0.	1541.	-9.	0.	6.	13.	0.	0.	0.	0.	110.	-504.	-54.	0.	0.	-58.	0.	0.	0.	500.	0.	0.	-2168.2	2170.2	2.04
495	-1541.	0.	1537.	-6.	0.	3.	13.	0.	0.	0.	0.	109.	-501.	-54.	0.	0.	-58.	0.	0.	0.	500.	0.	0.	-2160.3	2162.3	2.03
496	-1537.	0.	1531.	-3.	0.	0.	13.	0.	0.	0.	0.	109.	-500.	-54.	0.	0.	-58.	0.	0.	0.	499.	0.	0.	-2151.7	2153.3	1.60
497	-1531.	0.	1524.	0.	0.	-2.	13.	0.	0.	0.	0.	109.	-499.	-54.	0.	0.	-58.	0.	0.	0.	499.	0.	0.	-2144.1	2145.2	1.15
498	-1524.	0.	1515.	2.	0.	-3.	13.	0.	0.	0.	0.	109.	-499.	-54.	0.	0.	-58.	0.	0.	0.	499.	0.	0.	-2137.2	2138.0	0.79
499	-1515.	0.	1506.	3.	0.	-4.	13.	0.	0.	0.	0.	109.	-499.	-53.	0.	0.	-58.	0.	0.	0.	498.	0.	0.	-2129.2	2129.7	0.55
500	-1506.	0.	1496.	4.	0.	-4.	13.	0.	0.	0.	0.	110.	-499.	-53.	0.	0.	-58.	0.	0.	0.	498.	0.	0.	-2120.2	2120.6	0.38
501	-1496.	0.	1486.	4.	0.	-5.	13.	0.	0.	0.	0.	110.	-499.	-53.	0.	0.	-58.	0.	0.	0.	497.	0.	0.	-2110.6	2110.9	0.28
502	-1486.	0.	1475.	5.	0.	-5.	13.	0.	0.	0.	0.	110.	-499.	-53.	0.	0.	-58.	0.	0.	0.	497.	0.	0.	-2100.6	2100.8	0.23
503	-1475.	0.	1465.	5.	0.	-5.	13.	0.	0.	0.	0.	110.	-499.	-53.	0.	0.	-58.	0.	0.	0.	497.	0.	0.	-2090.3	2090.5	0.19
504	-1465.	0.	1454.	5.	0.	-6.	13.	0.	0.	0.	0.	111.	-499.	-52.	0.	0.	-58.	0.	0.	0.	496.	0.	0.	-2079.8	2080.0	0.18
505	-1454.	0.	1444.	6.	0.	-6.	13.	0.	0.	0.	0.	111.	-499.	-52.	0.	0.	-58.	0.	0.	0.	496.	0.	0.	-2069.3	2069.4	0.17
506	-1444.	0.	1433.	6.	0.	-6.	13.	0.	0.	0.	0.	111.	-499.	-52.	0.	0.	-58.	0.	0.	0.	495.	0.	0.	-2058.6	2058.7	0.17

507	-1433.	0.	1422.	6.	0.	-6.	13.	0.	0.	0.	0.	112.	-499.	-51.	0.	0.	-58.	0.	0.	0.	495.	0.	0.	-2047.8	2048.0	0.17
508	-1422.	0.	1411.	6.	0.	-7.	13.	0.	0.	0.	0.	112.	-499.	-51.	0.	0.	-58.	0.	0.	0.	495.	0.	0.	-2036.9	2037.1	0.17
509	-1411.	0.	1400.	7.	0.	-7.	13.	0.	0.	0.	0.	112.	-499.	-51.	0.	0.	-58.	0.	0.	0.	494.	0.	0.	-2026.0	2026.1	0.17
510	-1400.	0.	1388.	7.	0.	-7.	13.	0.	0.	0.	0.	113.	-500.	-50.	0.	0.	-58.	0.	0.	0.	494.	0.	0.	-2014.9	2015.1	0.17
511	-1388.	0.	1377.	7.	0.	-7.	13.	0.	0.	0.	0.	113.	-500.	-50.	0.	0.	-58.	0.	0.	0.	493.	0.	0.	-2003.8	2004.0	0.15
512	-1377.	0.	1366.	7.	0.	-7.	13.	0.	0.	0.	0.	114.	-500.	-50.	0.	0.	-58.	0.	0.	0.	493.	0.	0.	-1992.6	1992.8	0.13
513	-1366.	0.	1354.	7.	0.	-8.	13.	0.	0.	0.	0.	114.	-501.	-49.	0.	0.	-58.	0.	0.	0.	492.	0.	0.	-1981.4	1981.5	0.09
514	-1354.	0.	1343.	8.	0.	-8.	13.	0.	0.	0.	0.	114.	-501.	-49.	0.	0.	-58.	0.	0.	0.	492.	0.	0.	-1970.1	1970.1	0.03
515	-1343.	0.	1331.	8.	0.	-7.	13.	0.	0.	0.	0.	115.	-502.	-48.	0.	0.	-58.	0.	0.	0.	492.	0.	0.	-1958.7	1958.7	-0.06
516	-1331.	0.	1320.	7.	0.	-7.	13.	0.	0.	0.	0.	115.	-503.	-48.	0.	0.	-58.	0.	0.	0.	491.	0.	0.	-1947.4	1947.2	-0.18
517	-1320.	0.	1309.	7.	0.	-6.	13.	0.	0.	0.	0.	116.	-504.	-48.	0.	0.	-58.	0.	0.	0.	491.	0.	0.	-1936.1	1935.8	-0.34
518	-1309.	0.	1299.	6.	0.	-5.	13.	0.	0.	0.	0.	116.	-505.	-47.	0.	0.	-58.	0.	0.	0.	490.	0.	0.	-1925.0	1924.4	-0.57
519	-1299.	0.	1289.	5.	0.	-3.	13.	0.	0.	0.	0.	116.	-507.	-47.	0.	0.	-58.	0.	0.	0.	490.	0.	0.	-1914.1	1913.2	-0.88
520	-1289.	0.	1280.	3.	0.	-1.	13.	0.	0.	0.	0.	116.	-510.	-46.	0.	0.	-58.	0.	0.	0.	490.	0.	0.	-1903.5	1902.2	-1.30
521	-1280.	0.	1272.	1.	0.	3.	13.	0.	0.	0.	0.	116.	-513.	-45.	0.	0.	-58.	0.	0.	0.	489.	0.	0.	-1896.3	1894.4	-1.85
522	-1272.	0.	1266.	-3.	0.	8.	13.	0.	0.	0.	0.	116.	-517.	-45.	0.	0.	-58.	0.	0.	0.	489.	0.	0.	-1894.9	1892.3	-2.59
523	-1266.	0.	1263.	-8.	0.	15.	13.	0.	0.	0.	0.	116.	-522.	-44.	0.	0.	-58.	0.	0.	0.	488.	0.	0.	-1898.9	1895.3	-3.57
524	-1263.	0.	1264.	-15.	0.	24.	13.	0.	0.	0.	0.	115.	-529.	-44.	0.	0.	-58.	0.	0.	0.	488.	0.	0.	-1908.9	1904.0	-4.85
525	-1264.	0.	1089.	-24.	0.	58.	13.	0.	0.	152.	0.	114.	-538.	-43.	0.	0.	-58.	0.	0.	0.	487.	0.	0.	-1927.0	1913.8	-13.20
526	-1089.	0.	1108.	-58.	0.	52.	13.	0.	0.	0.	0.	111.	-519.	-42.	0.	0.	-58.	0.	0.	0.	487.	0.	0.	-1767.2	1770.2	3.05
527	-1108.	0.	1123.	-52.	0.	42.	13.	0.	0.	0.	0.	108.	-510.	-41.	0.	0.	-58.	0.	0.	0.	487.	0.	0.	-1768.5	1772.8	4.32
528	-1123.	0.	1134.	-42.	0.	34.	13.	0.	0.	0.	0.	105.	-504.	-40.	0.	0.	-58.	0.	0.	0.	486.	0.	0.	-1768.3	1772.2	3.94
529	-1134.	0.	1140.	-34.	0.	27.	13.	0.	0.	0.	0.	104.	-502.	-39.	0.	0.	-58.	0.	0.	0.	486.	0.	0.	-1766.7	1769.9	3.12
530	-1140.	0.	1144.	-27.	0.	22.	13.	0.	0.	0.	0.	102.	-500.	-38.	0.	0.	-58.	0.	0.	0.	485.	0.	0.	-1764.2	1766.5	2.29
531	-1144.	0.	1145.	-22.	0.	18.	13.	0.	0.	0.	0.	101.	-499.	-37.	0.	0.	-58.	0.	0.	0.	485.	0.	0.	-1761.0	1762.7	1.62
532	-1145.	0.	1145.	-18.	0.	16.	13.	0.	0.	0.	0.	100.	-499.	-36.	0.	0.	-58.	0.	0.	0.	485.	0.	0.	-1757.3	1758.5	1.12
533	-1145.	0.	1144.	-16.	0.	14.	13.	0.	0.	0.	0.	99.	-499.	-35.	0.	0.	-58.	0.	0.	0.	484.	0.	0.	-1753.2	1754.0	0.78
534	-1144.	0.	1141.	-14.	0.	13.	13.	0.	0.	0.	0.	98.	-499.	-34.	0.	0.	-58.	0.	0.	0.	484.	0.	0.	-1748.8	1749.4	0.55

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE IN	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
535	-1141.	0.	1138.	-13.	0.	12.	13.	0.	0.	0.	0.	98.	-499.	-33.	0.	0.	-58.	0.	0.	0.	483.	0.	0.	-1744.2	1744.6	0.41
536	-1138.	0.	1135.	-12.	0.	11.	13.	0.	0.	0.	0.	97.	-499.	-32.	0.	0.	-58.	0.	0.	0.	483.	0.	0.	-1739.2	1739.5	0.33
537	-1135.	0.	1132.	-11.	0.	11.	13.	0.	0.	0.	0.	96.	-499.	-31.	0.	0.	-58.	0.	0.	0.	482.	0.	0.	-1734.0	1734.3	0.29
538	-1132.	0.	1128.	-11.	0.	10.	13.	0.	0.	0.	0.	96.	-499.	-29.	0.	0.	-58.	0.	0.	0.	482.	0.	0.	-1728.5	1728.8	0.28
539	-1128.	0.	1123.	-10.	0.	10.	13.	0.	0.	0.	0.	95.	-499.	-28.	0.	0.	-58.	0.	0.	0.	482.	0.	0.	-1722.7	1723.0	0.29
540	-1123.	0.	1119.	-10.	0.	9.	13.	0.	0.	0.	0.	95.	-499.	-27.	0.	0.	-58.	0.	0.	0.	481.	0.	0.	-1716.6	1716.9	0.30
541	-1119.	0.	1668.	-9.	0.	7.	13.	0.	0.	0.	-554.	94.	-499.	-26.	0.	0.	-58.	0.	0.	0.	481.	0.	0.	-2263.8	2263.1	-0.70
542	-1668.	0.	1664.	-7.	0.	6.	13.	0.	0.	0.	0.	94.	-499.	-24.	0.	0.	-58.	0.	0.	0.	480.	0.	0.	-2256.2	2257.0	0.74
543	-1664.	0.	1659.	-6.	0.	5.	13.	0.	0.	0.	0.	93.	-498.	-24.	0.	0.	-58.	0.	0.	0.	480.	0.	0.	-2250.0	2250.5	0.50
544	-1659.	0.	1653.	-5.	0.	5.	13.	0.	0.	0.	0.	93.	-498.	-23.	0.	0.	-58.	0.	0.	0.	480.	0.	0.	-2243.7	2244.0	0.30
545	-1653.	0.	1648.	-5.	0.	5.	13.	0.	0.	0.	0.	93.	-498.	-23.	0.	0.	-58.	0.	0.	0.	479.	0.	0.	-2237.3	2237.5	0.11
546	-1648.	0.	1642.	-5.	0.	5.	13.	0.	0.	0.	0.	93.	-498.	-22.	0.	0.	-58.	0.	0.	0.	479.	0.	0.	-2231.3	2231.2	-0.11
547	-1642.	0.	1636.	-5.	0.	5.	13.	0.	0.	0.	0.	92.	-498.	-23.	0.	0.	-58.	0.	0.	0.	478.	0.	0.	-2225.9	2225.5	-0.37
548	-1636.	0.	1631.	-5.	0.	7.	13.	0.	0.	0.	0.	92.	-498.	-23.	0.	0.	-58.	0.	0.	0.	478.	0.	0.	-2221.4	2220.7	-0.71
549	-1631.	0.	1626.	-7.	0.	9.	13.	0.	0.	0.	0.	92.	-498.	-24.	0.	0.	-58.	0.	0.	0.	477.	0.	0.	-2218.5	2217.4	-1.15
550	-1626.	0.	1623.	-9.	0.	12.	13.	0.	0.	0.	0.	91.	-498.	-26.	0.	0.	-58.	0.	0.	0.	477.	0.	0.	-2217.8	2216.0	-1.72
551	-1623.	0.	1621.	-12.	0.	16.	13.	0.	0.	0.	0.	90.	-498.	-29.	0.	0.	-58.	0.	0.	0.	477.	0.	0.	-2220.2	2217.7	-2.50
552	-1621.	0.	1621.	-16.	0.	23.	13.	0.	0.	0.	0.	90.	-498.	-34.	0.	0.	-58.	0.	0.	0.	476.	0.	0.	-2227.0	2223.4	-3.55
553	-1621.	0.	1626.	-23.	0.	32.	13.	0.	0.	0.	0.	88.	-497.	-40.	0.	0.	-58.	0.	0.	0.	476.	0.	0.	-2239.9	2234.9	-4.95

554	-1626.	0.	1635.	-32.	0.	44.	13.	0.	0.	0.	0.	87.	-497.	-48.	0.	0.	-58.	0.	0.	0.	475.	0.	0.	-2261.0	2254.2	-6.80
555	-1635.	0.	1650.	-44.	0.	61.	13.	0.	0.	0.	0.	84.	-496.	-60.	0.	0.	-58.	0.	0.	0.	475.	0.	0.	-2293.4	2284.1	-9.27
556	-1650.	0.	1675.	-61.	0.	103.	13.	0.	0.	0.	0.	81.	-496.	-75.	0.	0.	-58.	0.	0.	0.	475.	0.	0.	-2340.8	2346.5	5.68

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

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
225	1980.	0.	-1674.	0.	0.	-28.	2.	0.	0.	0.	0.	132.	-493.	-100.	0.	0.	-74.	0.	0.	0.	255.	0.	0.	-2367.8	2367.9	0.16
226	1674.	0.	-1500.	28.	0.	-16.	2.	0.	0.	0.	0.	151.	-433.	-86.	0.	0.	-74.	0.	0.	0.	255.	0.	0.	-2108.0	2108.2	0.20
227	1500.	0.	-1397.	16.	0.	-7.	2.	0.	0.	0.	0.	162.	-380.	-75.	0.	0.	-74.	0.	0.	0.	255.	0.	0.	-1933.8	1934.0	0.21
228	1397.	0.	-1352.	7.	0.	0.	2.	0.	0.	0.	0.	167.	-334.	-67.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-1827.6	1827.8	0.21
229	1352.	0.	-1351.	0.	0.	5.	2.	0.	0.	0.	0.	167.	-295.	-61.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-1780.5	1780.7	0.19
230	1351.	0.	-1385.	-5.	0.	9.	2.	0.	0.	0.	0.	164.	-260.	-56.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-1780.0	1780.1	0.17
231	1385.	0.	-1446.	-9.	0.	12.	2.	0.	0.	0.	0.	157.	-229.	-53.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-1810.6	1810.8	0.14
232	1446.	0.	-1527.	-12.	0.	15.	2.	0.	0.	0.	0.	149.	-203.	-49.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-1865.0	1865.2	0.11
233	1527.	0.	-1622.	-15.	0.	16.	2.	0.	0.	0.	0.	139.	-180.	-47.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-1937.4	1937.5	0.09
234	1622.	0.	-1729.	-16.	0.	17.	2.	0.	0.	0.	0.	127.	-160.	-44.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-2023.1	2023.2	0.07
235	1729.	0.	-1843.	-17.	0.	18.	2.	0.	0.	0.	0.	115.	-142.	-42.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-2118.3	2118.3	0.05
236	1843.	0.	-1961.	-18.	0.	18.	2.	0.	0.	0.	0.	103.	-127.	-40.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-2219.8	2219.8	0.04
237	1961.	0.	-2081.	-18.	0.	18.	2.	0.	0.	0.	0.	90.	-114.	-39.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-2325.2	2325.2	0.02
238	2081.	0.	-2202.	-18.	0.	18.	2.	0.	0.	0.	0.	77.	-102.	-37.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-2432.5	2432.5	0.01
239	2202.	0.	-2321.	-18.	0.	18.	2.	0.	0.	0.	0.	65.	-92.	-36.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-2540.0	2540.0	0.00
240	2321.	0.	-2438.	-18.	0.	17.	2.	0.	0.	0.	0.	53.	-83.	-35.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-2646.5	2646.5	0.00
241	2438.	0.	-2552.	-17.	0.	17.	2.	0.	0.	0.	0.	41.	-75.	-33.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-2750.9	2750.9	-0.01
242	2552.	0.	-2662.	-17.	0.	16.	2.	0.	0.	0.	0.	29.	-68.	-32.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-2852.5	2852.5	-0.01
243	2662.	0.	-2768.	-16.	0.	15.	2.	0.	0.	0.	0.	18.	-62.	-32.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-2950.8	2950.8	-0.02
244	2768.	0.	-2869.	-15.	0.	14.	2.	0.	0.	0.	0.	8.	-57.	-31.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-3045.3	3045.3	-0.02
245	2869.	0.	-2965.	-14.	0.	14.	2.	0.	0.	0.	0.	-2.	-53.	-30.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-3137.9	3137.9	-0.02
246	2965.	0.	-3057.	-14.	0.	13.	2.	0.	0.	0.	0.	-12.	-49.	-29.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-3233.6	3233.6	-0.03
247	3057.	0.	-3144.	-13.	0.	12.	2.	0.	0.	0.	0.	-21.	-45.	-29.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-3324.3	3324.3	-0.03
248	3144.	0.	-3225.	-12.	0.	10.	2.	0.	0.	0.	0.	-29.	-42.	-28.	0.	0.	-73.	0.	0.	0.	254.	0.	0.	-3408.9	3408.9	-0.03
249	3225.	0.	-3293.	-10.	0.	-1.	2.	0.	0.	0.	0.	-36.	-40.	-27.	0.	0.	-73.	0.	0.	0.	253.	0.	0.	-3479.8	3479.8	-0.03
250	3293.	0.	-3285.	1.	0.	0.	1.	0.	0.	0.	0.	-5.	-2.	-1.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-3305.0	3305.0	0.00
251	3285.	0.	-3277.	0.	0.	0.	1.	0.	0.	0.	0.	-5.	-2.	-1.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-3297.1	3297.1	0.00
252	3277.	0.	-3270.	0.	0.	0.	1.	0.	0.	0.	0.	-5.	-2.	-1.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-3289.6	3289.6	0.00
253	3270.	0.	-3263.	0.	0.	0.	1.	0.	0.	0.	0.	-5.	-2.	-1.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-3282.4	3282.4	0.00
254	3263.	0.	-3256.	0.	0.	0.	1.	0.	0.	0.	0.	-5.	-2.	-1.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-3275.6	3275.6	0.00
255	3256.	0.	-3250.	0.	0.	0.	1.	0.	0.	0.	0.	-5.	-2.	-1.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-3269.1	3269.1	0.00
256	3250.	0.	-3243.	0.	0.	0.	1.	0.	0.	0.	0.	-5.	-2.	-1.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-3263.0	3263.0	0.00
257	3243.	0.	-3238.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-3257.2	3257.2	0.00
258	3238.	0.	-3232.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-3251.7	3251.7	0.00
259	3232.	0.	-3227.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-3.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-3246.6	3246.6	0.00
260	3227.	0.	-3222.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-3.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-3241.8	3241.8	0.00
261	3222.	0.	-3218.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-3.	-1.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-3237.3	3237.3	0.00
262	3218.	0.	-3214.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-3.	-1.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-3233.1	3233.1	0.00
263	3214.	0.	-3210.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-3.	-1.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-3229.2	3229.2	0.00
264	3210.	0.	-3206.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-3.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-3225.6	3225.6	0.00
265	3206.	0.	-3203.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-3.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-3222.3	3222.3	0.00
266	3203.	0.	-3200.	0.	0.	0.	1.	0.	0.	0.	0.	-4.	-3.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-3219.3	3219.3	0.00
267	3200.	0.	-3197.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-3.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-3216.6	3216.6	0.00
268	3197.	0.	-3195.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-3.	-1.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-3214.2	3214.2	0.00

269	3195.	0.	-3193.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-3.	-1.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-3212.0	3212.0	0.00
270	3193.	0.	-3191.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-3.	-1.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-3210.1	3210.1	0.00
271	3191.	0.	-3189.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-3208.5	3208.5	0.00
272	3189.	0.	-3188.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-3207.2	3207.2	0.00
273	3188.	0.	-3187.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-3206.1	3206.1	0.00
274	3187.	0.	-3186.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-3205.3	3205.3	0.00
275	3186.	0.	-3185.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-3204.8	3204.8	0.00
276	3185.	0.	-3185.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-3204.5	3204.5	0.00
277	3185.	0.	-3185.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-3204.4	3204.4	0.00
278	3185.	0.	-3186.	0.	0.	0.	1.	0.	0.	1.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-3205.4	3205.4	0.00
279	3186.	0.	-3186.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-3205.8	3205.8	0.00
280	3186.	0.	-3186.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-3206.4	3206.4	0.00
281	3186.	0.	-3187.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-3207.2	3207.2	0.00
282	3187.	0.	-3188.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-3208.3	3208.3	0.00
283	3188.	0.	-3189.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-5.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-3209.6	3209.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

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 DECA	NCM BKGD	SOD BOD1	SOD ALG	SOD NCM	SOD PHOT	ALG RESP	ALG PHOT	MAC OUT	TOT IN	TOT	
284	3189.	0.	-3191.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-5.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-3211.1	3211.1	0.00
285	3191.	0.	-3181.	0.	0.	0.	1.	0.	0.	0.	0.	-3.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3211.8	3211.8	0.00
286	3181.	0.	-3172.	0.	0.	0.	1.	0.	0.	0.	0.	-2.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3202.1	3202.1	0.00
287	3172.	0.	-3162.	0.	0.	0.	1.	0.	0.	0.	0.	-2.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3192.4	3192.4	0.00
288	3162.	0.	-3153.	0.	0.	0.	1.	0.	0.	0.	0.	-2.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3182.8	3182.8	0.00
289	3153.	0.	-3143.	0.	0.	0.	1.	0.	0.	0.	0.	-2.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3173.2	3173.2	0.00
290	3143.	0.	-3134.	0.	0.	0.	1.	0.	0.	0.	0.	-2.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3163.7	3163.7	0.00
291	3134.	0.	-3125.	0.	0.	0.	1.	0.	0.	0.	0.	-2.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3154.3	3154.3	0.00
292	3125.	0.	-3116.	0.	0.	0.	1.	0.	0.	1.	0.	-1.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3146.0	3146.0	0.00
293	3116.	0.	-3107.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	-5.	-1.	0.	0.	-22.	0.	0.	0.	20.	0.	0.	-3136.5	3136.5	0.00
294	3107.	0.	-3098.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3127.1	3127.1	0.00
295	3098.	0.	-3089.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3117.8	3117.8	0.00
296	3089.	0.	-3080.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3108.6	3108.6	0.00
297	3080.	0.	-3070.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3099.4	3099.4	0.00
298	3070.	0.	-3061.	0.	0.	0.	1.	0.	0.	0.	0.	0.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3090.2	3090.2	0.00
299	3061.	0.	-3052.	0.	0.	0.	1.	0.	0.	0.	0.	0.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3081.1	3081.1	0.00
300	3052.	0.	-3044.	0.	0.	0.	1.	0.	0.	0.	0.	0.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3072.1	3072.1	0.00
301	3044.	0.	-3035.	0.	0.	0.	1.	0.	0.	0.	0.	0.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3063.1	3063.1	0.00
302	3035.	0.	-3026.	0.	0.	0.	1.	0.	0.	0.	0.	0.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3054.4	3054.4	0.00
303	3026.	0.	-3017.	0.	0.	0.	1.	0.	0.	0.	0.	0.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3045.6	3045.6	0.00
304	3017.	0.	-3009.	0.	0.	0.	1.	0.	0.	0.	0.	1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3037.0	3037.0	0.00
305	3009.	0.	-3000.	0.	0.	0.	1.	0.	0.	0.	0.	1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	19.	0.	0.	-3028.3	3028.3	0.00
306	3000.	0.	-2991.	0.	0.	0.	1.	0.	0.	0.	0.	1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-3019.8	3019.8	0.00
307	2991.	0.	-2983.	0.	0.	0.	1.	0.	0.	0.	0.	1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-3011.2	3011.2	0.00
308	2983.	0.	-2974.	0.	0.	0.	1.	0.	0.	0.	0.	1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-3002.8	3002.8	0.00
309	2974.	0.	-2966.	0.	0.	0.	1.	0.	0.	0.	0.	1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-2994.3	2994.3	0.00
310	2966.	0.	-2957.	0.	0.	0.	1.	0.	0.	0.	0.	1.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-2986.0	2986.0	0.00
311	2957.	0.	-2949.	0.	0.	0.	1.	0.	0.	0.	0.	2.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-2977.6	2977.6	0.00
312	2949.	0.	-2941.	0.	0.	0.	1.	0.	0.	0.	0.	2.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-2969.7	2969.7	0.00
313	2941.	0.	-2933.	0.	0.	0.	1.	0.	0.	0.	0.	2.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-2961.4	2961.4	0.00
314	2933.	0.	-2924.	0.	0.	0.	1.	0.	0.	0.	0.	2.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-2953.1	2953.1	0.00
315	2924.	0.	-2916.	0.	0.	0.	1.	0.	0.	0.	0.	2.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-2944.9	2944.9	0.00

316	2916.	0.	-2908.	0.	0.	0.	1.	0.	0.	0.	0.	2.	-6.	-1.	0.	0.	-22.	0.	0.	0.	18.	0.	0.	-2936.7	2936.7	0.00
317	2908.	0.	-2900.	0.	0.	0.	1.	0.	0.	0.	0.	2.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2928.6	2928.6	0.00
318	2900.	0.	-2892.	0.	0.	0.	1.	0.	0.	0.	0.	3.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2920.5	2920.5	0.00
319	2892.	0.	-2884.	0.	0.	0.	1.	0.	0.	0.	0.	3.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2912.5	2912.5	0.00
320	2884.	0.	-2876.	0.	0.	0.	1.	0.	0.	0.	0.	3.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2904.5	2904.5	0.00
321	2876.	0.	-2868.	0.	0.	0.	1.	0.	0.	0.	0.	3.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2896.5	2896.5	0.00
322	2868.	0.	-2860.	0.	0.	0.	1.	0.	0.	0.	0.	3.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2888.6	2888.6	0.00
323	2860.	0.	-2852.	0.	0.	0.	1.	0.	0.	0.	0.	3.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2880.7	2880.7	0.00
324	2852.	0.	-2844.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2872.8	2872.8	0.00
325	2844.	0.	-2836.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2865.0	2865.0	0.00
326	2836.	0.	-2828.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2857.2	2857.2	0.00
327	2828.	0.	-2821.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-6.	-1.	0.	0.	-22.	0.	0.	0.	17.	0.	0.	-2849.5	2849.5	0.00
328	2821.	0.	-2813.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2841.8	2841.8	0.00
329	2813.	0.	-2805.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2834.1	2834.1	0.00
330	2805.	0.	-2798.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2826.5	2826.5	0.00
331	2798.	0.	-2790.	0.	0.	0.	1.	0.	0.	0.	0.	4.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2819.0	2819.0	0.00
332	2790.	0.	-2782.	0.	0.	0.	1.	0.	0.	0.	0.	5.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2811.4	2811.4	0.00
333	2782.	0.	-2775.	0.	0.	0.	1.	0.	0.	0.	0.	5.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2803.8	2803.8	0.00
334	2775.	0.	-2767.	0.	0.	0.	1.	0.	0.	0.	0.	5.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2796.3	2796.3	0.00
335	2767.	0.	-2760.	0.	0.	0.	1.	0.	0.	0.	0.	5.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2788.8	2788.8	0.00
336	2760.	0.	-2752.	0.	0.	0.	1.	0.	0.	0.	0.	5.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2781.4	2781.4	0.00
337	2752.	0.	-2745.	0.	0.	0.	1.	0.	0.	0.	0.	5.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2773.9	2773.9	0.00
338	2745.	0.	-2738.	0.	0.	0.	1.	0.	0.	0.	0.	5.	-6.	-1.	0.	0.	-22.	0.	0.	0.	16.	0.	0.	-2766.5	2766.5	0.00
339	2738.	0.	-2730.	0.	0.	0.	1.	0.	0.	0.	0.	6.	-6.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-2759.4	2759.4	0.00
340	2730.	0.	-2723.	0.	0.	0.	1.	0.	0.	0.	0.	6.	-6.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-2752.0	2752.0	0.00
341	2723.	0.	-2716.	0.	0.	0.	1.	0.	0.	0.	0.	6.	-6.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-2744.7	2744.7	0.00
342	2716.	0.	-2708.	0.	0.	0.	1.	0.	0.	0.	0.	6.	-6.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-2737.4	2737.4	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP 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
343	2708.	0.	-2701.	0.	0.	0.	1.	0.	0.	0.	0.	6.	-6.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-2730.1	2730.1	0.00
344	2701.	0.	-2694.	0.	0.	0.	1.	0.	0.	0.	0.	6.	-6.	-1.	0.	0.	-22.	0.	0.	0.	15.	0.	0.	-2722.9	2722.9	0.00
345	2694.	0.	-2686.	0.	0.	0.	1.	0.	0.	0.	0.	6.	-6.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-2715.7	2715.7	0.00
346	2686.	0.	-2679.	0.	0.	0.	1.	0.	0.	0.	0.	6.	-7.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-2708.5	2708.5	0.00
347	2679.	0.	-2672.	0.	0.	0.	1.	0.	0.	0.	0.	7.	-7.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-2701.3	2701.3	0.00
348	2672.	0.	-2665.	0.	0.	0.	1.	0.	0.	0.	0.	7.	-7.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-2694.2	2694.2	0.00
349	2665.	0.	-2658.	0.	0.	0.	1.	0.	0.	0.	0.	7.	-7.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-2687.1	2687.1	0.00
350	2658.	0.	-2651.	0.	0.	0.	1.	0.	0.	0.	0.	7.	-7.	-1.	0.	0.	-21.	0.	0.	0.	15.	0.	0.	-2680.0	2680.0	0.00
351	2651.	0.	-2644.	0.	0.	0.	1.	0.	0.	0.	0.	7.	-7.	-1.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2672.9	2672.9	0.00
352	2644.	0.	-2643.	0.	0.	0.	1.	0.	0.	8.	0.	7.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2673.6	2673.6	0.00
353	2643.	0.	-2634.	0.	0.	0.	1.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2665.0	2665.0	0.00
354	2634.	0.	-2625.	0.	0.	0.	1.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2656.4	2656.4	0.00
355	2625.	0.	-2617.	0.	0.	0.	1.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2647.9	2647.9	0.00
356	2617.	0.	-2608.	0.	0.	0.	1.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2639.4	2639.4	0.00
357	2608.	0.	-2600.	0.	0.	0.	1.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2631.0	2631.0	0.00
358	2600.	0.	-2592.	0.	0.	0.	1.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2622.7	2622.7	0.00
359	2592.	0.	-2584.	0.	0.	0.	1.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2614.5	2614.4	0.00
360	2584.	0.	-2575.	0.	0.	0.	1.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2606.2	2606.2	0.00
361	2575.	0.	-2567.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-7.	-2.	0.	0.	-21.	0.	0.	0.	14.	0.	0.	-2598.1	2598.1	0.00
362	2567.	0.	-2559.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2590.0	2590.0	0.00

363	2559.	0.	-2551.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2582.0	2582.0	0.00
364	2551.	0.	-2543.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2574.0	2574.0	0.00
365	2543.	0.	-2535.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2566.1	2566.1	0.00
366	2535.	0.	-2527.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2558.2	2558.2	0.00
367	2527.	0.	-2519.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2550.4	2550.4	0.00
368	2519.	0.	-2512.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2542.6	2542.6	0.00
369	2512.	0.	-2505.	0.	0.	0.	1.	0.	0.	1.	0.	10.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2535.6	2535.6	0.00
370	2505.	0.	-2497.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2527.9	2527.9	0.00
371	2497.	0.	-2489.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2520.2	2520.2	0.00
372	2489.	0.	-2482.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-7.	-2.	0.	0.	-21.	0.	0.	0.	13.	0.	0.	-2512.6	2512.6	0.00
373	2482.	0.	-2688.	0.	0.	0.	1.	0.	0.	216.	0.	9.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2719.9	2719.8	0.00
374	2688.	0.	-2679.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2710.4	2710.4	0.00
375	2679.	0.	-2670.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2701.0	2701.0	0.00
376	2670.	0.	-2660.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2691.7	2691.7	0.00
377	2660.	0.	-2651.	0.	0.	0.	1.	0.	0.	0.	0.	9.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2682.5	2682.5	0.00
378	2651.	0.	-2642.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2673.3	2673.3	0.00
379	2642.	0.	-2633.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2664.2	2664.2	0.00
380	2633.	0.	-2624.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2655.1	2655.1	0.00
381	2624.	0.	-2615.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2646.2	2646.2	0.00
382	2615.	0.	-2606.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2637.2	2637.2	0.00
383	2606.	0.	-2597.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2628.4	2628.4	0.00
384	2597.	0.	-2588.	0.	0.	0.	1.	0.	0.	0.	0.	10.	-8.	-2.	0.	0.	-21.	0.	0.	0.	12.	0.	0.	-2619.6	2619.6	0.00
385	2588.	0.	-2579.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2610.9	2610.9	0.00
386	2579.	0.	-2571.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2602.2	2602.2	0.00
387	2571.	0.	-2562.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2593.6	2593.6	0.00
388	2562.	0.	-2554.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2585.1	2585.0	0.00
389	2554.	0.	-2545.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2576.6	2576.6	0.00
390	2545.	0.	-2537.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2568.1	2568.1	0.00
391	2537.	0.	-2528.	0.	0.	0.	1.	0.	0.	0.	0.	11.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2559.7	2559.7	0.00
392	2528.	0.	-2520.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2551.4	2551.4	0.00
393	2520.	0.	-2512.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2543.1	2543.1	0.00
394	2512.	0.	-2504.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2534.9	2534.9	0.00
395	2504.	0.	-2495.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-8.	-2.	0.	0.	-21.	0.	0.	0.	11.	0.	0.	-2526.7	2526.7	0.00
396	2495.	0.	-2487.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-8.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2518.6	2518.6	0.00
397	2487.	0.	-2479.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-8.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2510.5	2510.5	0.00
398	2479.	0.	-2471.	0.	0.	0.	1.	0.	0.	0.	0.	12.	-8.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2502.5	2502.5	0.00
399	2471.	0.	-2463.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-8.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2494.5	2494.5	0.00
400	2463.	0.	-2455.	0.	0.	0.	1.	0.	0.	0.	0.	13.	-8.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2486.6	2486.6	0.00
401	2455.	0.	-2547.	0.	0.	0.	1.	0.	0.	99.	0.	15.	-10.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2579.9	2579.9	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	NONP IN	WSLD OUT	WITH IN	REAE DECA	BOD1 DECA	NH3-N DECA	ORG-N DECA	NCM BKGD	SOD BOD1	SOD ALG	SOD ALG	SOD NCM	SOD PHOT	ALG RESP	ALG PHOT	MAC OUT	TOT IN	TOT
402	2547.	0.	-2540.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-10.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2572.6	2572.6	0.00	
403	2540.	0.	-2532.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-10.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2565.1	2565.1	0.00	
404	2532.	0.	-2525.	0.	0.	0.	1.	0.	0.	0.	0.	15.	-10.	-2.	0.	0.	-21.	0.	0.	0.	10.	0.	0.	-2557.7	2557.7	0.00	

LA-QUAL Baseline for Gulf ICWW and Bayou Black

INPUT/OUTPUT LOADING SUMMARY

	FLOW	DO	BOD#1	BOD#2	ORG-N	NH3-N	NO3-N	PHOS	CHL A	NCM
	m^3/s	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d		
HEADWATER FLOW	5.234	2356.7	4068.8	0.0	631.4	124.4	0.0	0.0	0.0	0.0

INCREMENTAL INFLOW	7.686	4723.2	4333.9	0.0	920.1	66.4	0.0	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	63.680	26566.3	30983.7	0.0	8521.8	593.8	5.3	0.0	0.0	0.0
WITHDRAWLS	-80.543	-30656.8	-23148.6	0.0	-9262.8	-817.6	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	3.943	1675.1	1295.8	0.0	8.7	44.0	72.3	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		102.8	-4.6	0.0	-31.6	26.0	71.8	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	171150.0	0.0	5770.0					0.0
NATURAL REAERATION		41350.2								
DAM REAERATION		0.0								
BACKGROUND SOD		-60743.7								
BOD#1 DECAY		-188677.8	-188677.8							
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			-6548.9	6548.9				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-28543.1				-6591.9	6591.9			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		231823.3				0.0	-22290.7	0.0	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	76.600	308597.5	211832.2	0.0	15851.9	7403.4	6741.2	0.0	0.0	0.0
TOTAL OUTPUTS	-76.600	-308621.3	-211830.9	0.0	-15843.3	-7409.5	-22290.7	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-23.8	1.3	0.0	8.6	-6.1	-15549.4	0.0	0.0	0.0

.....EXECUTION COMPLETED

TMDL output file for subsegment 120204

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LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\0608 MT\0608 MT - Verret\baseline\Verret_BASE_0608.txt
Output produced at 10:08 on 06/22/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
TITLE02        Baseline Simulation for Lake Verret and Grassy Lake model
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                     <Warning: legacy control - line ignored>
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)
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        TIDE HEIGHT                       =        0.10000 meters
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
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
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$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                    BEGIN      END   ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                     km        km     km     km            NUM   NUM
REACH ID    1  GL   Grassy Lake                  28.30  TO  24.80  0.1000    3.50     35      1    35
REACH ID    2  FB   Fourmile Bayou 1             24.80  TO  22.80  0.1000    2.00     20     36    55
REACH ID    3  OB   Fourmile Bayou Oxbow          4.20  TO   0.00  0.1000    4.20     42     56    97
REACH ID    4  F2   Fourmile Bayou 2             22.80  TO  19.40  0.1000    3.40     34     98   131
REACH ID    5  V3   Lake Verret 1                19.40  TO  14.50  0.1000    4.90     49    132   180
REACH ID    6  V2   Lake Verret 2                14.50  TO   2.90  0.1000   11.60    116    181   296
REACH ID    7  V1   Lake Verret 3                 2.90  TO   0.00  0.1000    2.90     29    297   325
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID     WIDTH     WIDTH     WIDTH     DEPTH     DEPTH     DEPTH    SLOPE   MANNINGS
                 "A"       "B"       "C"       "D"       "E"       "F"              "N"
HYDR-1      1  GL     0.000     0.000  1343.000     0.000     0.000     1.010   0.00000   0.050
HYDR-1      2  FB     0.000     0.000   107.000     0.000     0.000     5.240   0.00000   0.050
HYDR-1      3  OB     0.000     0.000    87.000     0.000     0.000     2.500   0.00000   0.050
HYDR-1      4  F2     0.000     0.000    87.000     0.000     0.000     4.390   0.00000   0.050
HYDR-1      5  V3     0.000     0.000  1892.000     0.000     0.000     1.340   0.00000   0.050
HYDR-1      6  V2     0.000     0.000  4092.000     0.000     0.000     2.130   0.00000   0.050
HYDR-1      7  V1     0.000     0.000   767.000     0.000     0.000     1.950   0.00000   0.050
ENDATA09
$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID    TIDAL    DISPERSION    DISPERSION    DISPERSION    DISPERSION
                 RANGE      "A"          "B"          "C"          "D"
HYDR        1  GL    0.00      0.500        0.000        0.000        0.000
HYDR        2  FB    0.00      0.400        0.000        0.000        0.000
HYDR        3  OB    0.00      0.400        0.000        0.000        0.000
HYDR        4  F2    0.00      0.200        0.000        0.000        0.000
HYDR        5  V3    0.00      0.200        0.000        0.000        0.000
HYDR        6  V2    0.00      0.200        0.000        0.000        0.000
HYDR        7  V1    0.00      0.100        0.000        0.000        0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE     REACH  ID     TEMP    SALIN      DO      NH3    NO3+2     PHOS    CHL A    MACRO
INITIAL         1  GL    33.10     0.00     5.00     0.10     0.04     0.00   100.00     0.00
INITIAL         2  FB    33.90     0.00     5.00     0.10     0.04     0.00    95.00     0.00
INITIAL         3  OB    33.90     0.00     5.00     0.10     0.04     0.00    95.00     0.00
INITIAL         4  F2    32.90     0.00     5.00     0.10     0.04     0.00    30.00     0.00
INITIAL         5  V3    32.80     0.00     5.00     0.10     0.04     0.00   100.00     0.00
INITIAL         6  V2    32.60     0.00     5.00     0.10     0.04     0.00   105.00     0.00
INITIAL         7  V1    32.50     0.00     5.00     0.10     1.10     0.00    50.00     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/m²/d  per day    m/d         per day  per day     m/d         per day
COEFF-1   1  GL  20 K2=a/D       0.750   0.000   0.000   0.700   0.180   0.000   0.000   0.000   0.000   0.000   0.000   0.000
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COEFF-1   2  FB   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3  OB   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   4  F2   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   5  V3  20 K2=a/D          0.750    0.000    0.000    1.500    0.160    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   6  V2  20 K2=a/D          0.750    0.000    0.000    1.500    0.160    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   7  V1  20 K2=a/D          0.750    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  GL      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         2  FB      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         3  OB      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         4  F2      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         5  V3      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         6  V2      0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2         7  V1      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
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
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  GL   38000.00   1000.00      0.00      0.00     0.00     0.00
NONPOINT        2  FB   12000.00    800.00      0.00      0.00     0.00     0.00
NONPOINT        3  OB   10000.00    800.00      0.00      0.00     0.00     0.00
NONPOINT        4  F2   13000.00   1500.00      0.00      0.00     0.00     0.00
NONPOINT        5  V3  220000.00   3000.00      0.00      0.00     0.00     0.00
NONPOINT        6  V2  400000.00     50.00      0.00      0.00     0.00     0.00
NONPOINT        7  V1   10000.00      0.00      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
                                          m³/s      cfs   deg C      ppt
HDWTR-1        1    Grassy Lake            0  20.23333  714.454   30.00     0.00     0.000     0.000   0.00
HDWTR-1       56    Fourmile Bayou Oxbow   0   2.93333  103.578   30.00     0.00     0.000     0.000   0.00
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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    Grassy Lake            6.70    23.50     1.60     0.10     0.04     0.00
HDWTR-2       56    Fourmile Bayou Oxbow   6.80    25.50     1.70     0.10     0.04     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   UPSTRM    RIVER    NAME
          ELEMENT  ELEMENT    KILOM
JUNCTION       98     55     22.80  Fourmile Bayou Oxbow
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT    RKILO  NAME                  FLOW      FLOW    FLOW   TEMP   SALIN    CM-I    CM-II
                                                   m³/s       cfs     MGD   deg C     ppt
WSTLD-1      26     25.80  Outflow to FB Oxbow   -2.93333 -103.57804  -66.954   30.00    0.00    0.000    0.000
WSTLD-1     132     19.40  Bayou Magazille       10.03333  354.28424  229.014   30.00    0.00    0.000    0.000
WSTLD-1     140     18.60  NPDES Group1           0.00197    0.06956    0.045   30.00    0.00    0.000    0.000
WSTLD-1     149     17.70  LAG540112              0.00055    0.01942    0.013   30.00    0.00    0.000    0.000
WSTLD-1     208     11.80  LAG560026              0.00156    0.05508    0.036   30.00    0.00    0.000    0.000
WSTLD-1     264      6.20  NPDES Group2           0.01153    0.40713    0.263   30.00    0.00    0.000    0.000
WSTLD-1     319      0.70  NPDES Group3           0.00010    0.00353    0.002   30.00    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       26    Outflow to FB Oxbow      6.80    25.50     0.00     1.70     0.10     0.00     0.00     0.00
WSTLD-2      132    Bayou Magazille          7.60    16.80     0.00     2.40     0.10     0.00     0.20     0.00
WSTLD-2      140    NPDES Group1             5.00    69.00     0.00     5.00    10.00     0.00     2.00     0.00
WSTLD-2      149    LAG540112                5.00    69.00     0.00     5.00    10.00     0.00     2.00     0.00
WSTLD-2      208    LAG560026                5.00    46.00     0.00     3.30     6.67     0.00     2.00     0.00
WSTLD-2      264    NPDES Group2             5.00    27.20     0.00     2.00     6.48     0.00     2.00     0.00
WSTLD-2      319    NPDES Group3             5.00   103.50     0.00     7.50    15.00     0.00     2.00     0.00
ENDATA25
$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                    PHOS    CHL A     COLI      NCM
                                              mg/L     mg/L     mg/L     mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                  CONCENTRATION
LOWER BC     TEMPERATURE                     30.800     deg C
LOWER BC     SALINITY                         0.000     ppt
LOWER BC     CONSERVATIVE MATERIAL I          0.000
LOWER BC     CONSERVATIVE MATERIAL II         0.000
LOWER BC     DISSOLVED OXYGEN                 4.400     mg/L
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LOWER BC    BIOCHEMICAL OXYGEN DEMAND          2.750    mg/L
LOWER BC    ORGANIC NITROGEN                   0.000    mg/L
LOWER BC    AMMONIA NITROGEN                   0.100    mg/L
LOWER BC    NITRATE + NITRITE                  1.100    mg/L
LOWER BC    PHOSPHORUS                         0.000    mg/L
LOWER BC    CHLOROPHYLL A                      2.000    µg/L
LOWER BC    COLIFORM                           0.000    #/100 mL
LOWER BC    NONCONSERVATIVE MATERIAL           0.000
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 =  2
NUMBER OF REACHES IN PLOT 1 =   6
PLOT RCH  1  2  4  5  6  7
NUMBER OF REACHES IN PLOT 1 =   1
PLOT RCH  3
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 LakeVerret.OVL          :Lake Verret and Grassy Lake
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
INTERMEDIATE REPORT
Dissolved Oxygen                    LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
  mg/L                              Baseline Simulation for Lake Verret and Grassy Lake model
ID  RCH  ELEM     +0     +1     +2     +3     +4     +5     +6     +7     +8     +9
GL   1    1    6.70   6.70   6.70   6.69   6.69   6.68   6.67   6.66   6.65   6.65
GL   1   11    6.63   6.62   6.61   6.60   6.59   6.57   6.56   6.55   6.53   6.52
GL   1   21    6.50   6.49   6.47   6.46   6.44   6.42   6.41   6.39   6.37   6.35
GL   1   31    6.33   6.32   6.30   6.28   6.25
FB   2   36    6.18   6.08   5.97   5.86   5.73   5.59   5.44   5.28   5.11   4.93
FB   2   46    4.74   4.54   4.33   4.11   3.87   3.63   3.39   3.13   2.86   2.58
F2   4   98    2.11   1.95   1.81   1.69   1.59   1.51   1.44   1.38   1.33   1.29
F2   4  108    1.25   1.23   1.21   1.20   1.19   1.18   1.18   1.18   1.19   1.20
F2   4  118    1.21   1.22   1.23   1.25   1.26   1.28   1.30   1.32   1.34   1.36
F2   4  128    1.38   1.41   1.44   1.69
V3   5  132    3.60   3.69   3.75   3.78   3.78   3.77   3.73   3.68   3.61   3.52
V3   5  142    3.43   3.32   3.20   3.07   2.93   2.79   2.64   2.48   2.32   2.16
V3   5  152    2.01   1.91   1.84   1.80   1.76   1.73   1.71   1.69   1.67   1.66
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V3	5	162	1.64	1.62	1.61	1.59	1.58	1.56	1.55	1.53	1.52	1.51
V3	5	172	1.50	1.48	1.47	1.46	1.45	1.44	1.43	1.42	1.41	
V2	6	181	1.39	1.41	1.44	1.48	1.53	1.57	1.62	1.67	1.72	1.77
V2	6	191	1.83	1.89	1.95	2.06	2.26	2.51	2.81	3.14	3.50	3.87
V2	6	201	4.26	4.64	5.02	5.40	5.77	6.12	6.46	6.79	7.10	7.39
V2	6	211	7.66	7.91	8.15	8.37	8.57	8.75	8.92	9.07	9.21	9.33
V2	6	221	9.44	9.53	9.61	9.68	9.74	9.79	9.82	9.85	9.87	9.88
V2	6	231	9.89	9.88	9.87	9.86	9.83	9.81	9.78	9.74	9.70	9.65
V2	6	241	9.61	9.55	9.50	9.44	9.38	9.32	9.25	9.19	9.12	9.05
V2	6	251	8.98	8.90	8.83	8.75	8.67	8.59	8.51	8.43	8.35	8.27
V2	6	261	8.19	8.10	8.02	7.93	7.84	7.76	7.67	7.58	7.50	7.41
V2	6	271	7.32	7.23	7.15	7.06	6.97	6.88	6.79	6.70	6.61	6.52
V2	6	281	6.43	6.34	6.25	6.16	6.07	5.98	5.89	5.80	5.71	5.62
V2	6	291	5.53	5.44	5.35	5.26	5.18	5.11				
V1	7	297	5.09	5.06	5.02	4.98	4.93	4.88	4.83	4.78	4.72	4.65
V1	7	307	4.58	4.51	4.44	4.36	4.28	4.20	4.11	4.02	3.93	3.83
V1	7	317	3.73	3.63	3.53	3.42	3.31	3.20	3.09	2.98	3.00	
OB	3	56	6.33	5.97	5.61	5.24	4.87	4.50	4.13	3.75	3.37	3.00
OB	3	66	2.62	2.25	1.93	1.72	1.57	1.47	1.39	1.32	1.27	1.23
OB	3	76	1.19	1.16	1.12	1.09	1.06	1.03	1.00	0.97	0.94	0.91
OB	3	86	0.89	0.86	0.83	0.81	0.78	0.75	0.73	0.71	0.68	0.67
OB	3	96	0.68	0.94								

INTERMEDIATE REPORT

Effective BOD — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	23.53	23.55	23.56	23.58	23.60	23.61	23.63	23.64	23.65	23.66
GL	1	11	23.67	23.68	23.69	23.70	23.71	23.71	23.72	23.72	23.73	23.73
GL	1	21	23.73	23.73	23.73	23.73	23.73	23.73	23.73	23.73	23.73	23.72
GL	1	31	23.72	23.71	23.71	23.70	23.71					
FB	2	36	23.75	23.80	23.85	23.90	23.94	23.99	24.04	24.09	24.14	24.19
FB	2	46	24.24	24.29	24.33	24.38	24.43	24.48	24.53	24.58	24.65	24.83
F2	4	98	26.65	26.65	26.67	26.70	26.74	26.79	26.85	26.92	26.99	27.06
F2	4	108	27.14	27.22	27.30	27.39	27.47	27.56	27.64	27.72	27.80	27.88
F2	4	118	27.96	28.04	28.12	28.19	28.26	28.33	28.39	28.46	28.52	28.58
F2	4	128	28.63	28.68	28.72	28.40						
V3	5	132	25.94	26.90	27.84	28.75	29.64	30.50	31.34	32.16	32.95	33.73
V3	5	142	34.48	35.21	35.92	36.62	37.29	37.95	38.59	39.21	39.82	40.41
V3	5	152	40.99	41.61	42.25	42.90	43.55	44.20	44.85	45.50	46.14	46.78
V3	5	162	47.42	48.05	48.68	49.31	49.94	50.56	51.17	51.79	52.40	53.01
V3	5	172	53.61	54.22	54.82	55.41	56.01	56.59	57.16	57.62	57.31	
V2	6	181	54.74	52.57	50.45	48.39	46.36	44.39	42.46	40.59	38.77	36.99
V2	6	191	35.28	33.61	32.01	30.50	29.12	27.85	26.69	25.63	24.65	23.75
V2	6	201	22.93	22.18	21.49	20.85	20.27	19.74	19.26	18.81	18.40	18.02
V2	6	211	17.68	17.36	17.07	16.81	16.57	16.34	16.14	15.95	15.78	15.62
V2	6	221	15.48	15.35	15.22	15.11	15.01	14.92	14.83	14.75	14.68	14.62
V2	6	231	14.56	14.50	14.45	14.40	14.36	14.32	14.29	14.25	14.22	14.20
V2	6	241	14.17	14.15	14.13	14.11	14.09	14.08	14.06	14.05	14.04	14.02
V2	6	251	14.01	14.00	14.00	13.99	13.98	13.98	13.97	13.96	13.96	13.96
V2	6	261	13.95	13.95	13.95	13.95	13.94	13.94	13.94	13.94	13.93	13.93

V2	6	271	13.93	13.93	13.93	13.93	13.93	13.92	13.92	13.92	13.92	13.92
V2	6	281	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92
V2	6	291	13.92	13.92	13.92	13.92	13.91	13.89				
V1	7	297	13.77	13.63	13.49	13.35	13.22	13.09	12.97	12.84	12.72	12.61
V1	7	307	12.49	12.38	12.27	12.16	12.06	11.96	11.86	11.77	11.67	11.58
V1	7	317	11.49	11.41	11.32	11.24	11.16	11.08	11.01	10.90	10.15	
OB	3	56	25.59	25.65	25.72	25.78	25.84	25.90	25.96	26.02	26.08	26.14
OB	3	66	26.20	26.26	26.37	26.56	26.80	27.08	27.39	27.72	28.07	28.43
OB	3	76	28.80	29.18	29.57	29.97	30.37	30.79	31.22	31.65	32.09	32.54
OB	3	86	33.00	33.47	33.95	34.43	34.93	35.43	35.94	36.45	36.95	37.32
OB	3	96	37.14	34.59								

INTERMEDIATE REPORT

Biochemical Oxygen Demand — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	23.53	23.55	23.56	23.58	23.60	23.61	23.63	23.64	23.65	23.66
GL	1	11	23.67	23.68	23.69	23.70	23.71	23.71	23.72	23.72	23.73	23.73
GL	1	21	23.73	23.73	23.73	23.73	23.73	23.73	23.73	23.73	23.73	23.72
GL	1	31	23.72	23.71	23.71	23.70	23.71					
FB	2	36	23.75	23.80	23.85	23.90	23.94	23.99	24.04	24.09	24.14	24.19
FB	2	46	24.24	24.29	24.33	24.38	24.43	24.48	24.53	24.58	24.65	24.83
F2	4	98	26.65	26.65	26.67	26.70	26.74	26.79	26.85	26.92	26.99	27.06
F2	4	108	27.14	27.22	27.30	27.39	27.47	27.56	27.64	27.72	27.80	27.88
F2	4	118	27.96	28.04	28.12	28.19	28.26	28.33	28.39	28.46	28.52	28.58
F2	4	128	28.63	28.68	28.72	28.40						
V3	5	132	25.94	26.90	27.84	28.75	29.64	30.50	31.34	32.16	32.95	33.73
V3	5	142	34.48	35.21	35.92	36.62	37.29	37.95	38.59	39.21	39.82	40.41
V3	5	152	40.99	41.61	42.25	42.90	43.55	44.20	44.85	45.50	46.14	46.78
V3	5	162	47.42	48.05	48.68	49.31	49.94	50.56	51.17	51.79	52.40	53.01
V3	5	172	53.61	54.22	54.82	55.41	56.01	56.59	57.16	57.62	57.31	
V2	6	181	54.74	52.57	50.45	48.39	46.36	44.39	42.46	40.59	38.77	36.99
V2	6	191	35.28	33.61	32.01	30.50	29.12	27.85	26.69	25.63	24.65	23.75
V2	6	201	22.93	22.18	21.49	20.85	20.27	19.74	19.26	18.81	18.40	18.02
V2	6	211	17.68	17.36	17.07	16.81	16.57	16.34	16.14	15.95	15.78	15.62
V2	6	221	15.48	15.35	15.22	15.11	15.01	14.92	14.83	14.75	14.68	14.62
V2	6	231	14.56	14.50	14.45	14.40	14.36	14.32	14.29	14.25	14.22	14.20
V2	6	241	14.17	14.15	14.13	14.11	14.09	14.08	14.06	14.05	14.04	14.02
V2	6	251	14.01	14.00	14.00	13.99	13.98	13.98	13.97	13.96	13.96	13.96
V2	6	261	13.95	13.95	13.95	13.95	13.94	13.94	13.94	13.94	13.93	13.93
V2	6	271	13.93	13.93	13.93	13.93	13.93	13.92	13.92	13.92	13.92	13.92
V2	6	281	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92	13.92
V2	6	291	13.92	13.92	13.92	13.92	13.91	13.89				
V1	7	297	13.77	13.63	13.49	13.35	13.22	13.09	12.97	12.84	12.72	12.61
V1	7	307	12.49	12.38	12.27	12.16	12.06	11.96	11.86	11.77	11.67	11.58
V1	7	317	11.49	11.41	11.32	11.24	11.16	11.08	11.01	10.90	10.15	
OB	3	56	25.59	25.65	25.72	25.78	25.84	25.90	25.96	26.02	26.08	26.14
OB	3	66	26.20	26.26	26.37	26.56	26.80	27.08	27.39	27.72	28.07	28.43
OB	3	76	28.80	29.18	29.57	29.97	30.37	30.79	31.22	31.65	32.09	32.54
OB	3	86	33.00	33.47	33.95	34.43	34.93	35.43	35.94	36.45	36.95	37.32
OB	3	96	37.14	34.59								

INTERMEDIATE REPORT

Organic Nitrogen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	1.62	1.63	1.64	1.66	1.67	1.68	1.70	1.71	1.72	1.73
GL	1	11	1.75	1.76	1.77	1.78	1.80	1.81	1.82	1.84	1.85	1.86
GL	1	21	1.87	1.89	1.90	1.91	1.92	1.94	1.95	1.97	1.98	1.99
GL	1	31	2.01	2.02	2.04	2.05	2.07					
FB	2	36	2.09	2.11	2.14	2.16	2.19	2.21	2.24	2.26	2.28	2.31
FB	2	46	2.33	2.36	2.38	2.41	2.43	2.46	2.48	2.50	2.53	2.57
F2	4	98	2.86	2.89	2.91	2.94	2.96	2.98	3.01	3.03	3.05	3.08
F2	4	108	3.10	3.12	3.15	3.17	3.19	3.22	3.24	3.26	3.29	3.31
F2	4	118	3.33	3.36	3.38	3.40	3.43	3.45	3.47	3.50	3.52	3.54
F2	4	128	3.57	3.59	3.61	3.59						
V3	5	132	3.24	3.26	3.27	3.29	3.31	3.32	3.34	3.35	3.37	3.38
V3	5	142	3.40	3.41	3.43	3.44	3.45	3.47	3.48	3.50	3.51	3.53
V3	5	152	3.54	3.56	3.57	3.59	3.60	3.61	3.63	3.64	3.66	3.67
V3	5	162	3.69	3.70	3.71	3.73	3.74	3.76	3.77	3.78	3.80	3.81
V3	5	172	3.83	3.84	3.85	3.87	3.88	3.90	3.91	3.92	3.92	
V2	6	181	3.88	3.85	3.82	3.79	3.75	3.72	3.69	3.66	3.63	3.60
V2	6	191	3.57	3.54	3.51	3.48	3.45	3.42	3.39	3.36	3.34	3.31
V2	6	201	3.28	3.25	3.23	3.20	3.17	3.14	3.12	3.09	3.07	3.04
V2	6	211	3.02	2.99	2.96	2.94	2.92	2.89	2.87	2.84	2.82	2.80
V2	6	221	2.77	2.75	2.73	2.70	2.68	2.66	2.64	2.61	2.59	2.57
V2	6	231	2.55	2.53	2.51	2.48	2.46	2.44	2.42	2.40	2.38	2.36
V2	6	241	2.34	2.32	2.30	2.28	2.27	2.25	2.23	2.21	2.19	2.17
V2	6	251	2.15	2.14	2.12	2.10	2.08	2.07	2.05	2.03	2.01	2.00
V2	6	261	1.98	1.96	1.95	1.93	1.92	1.90	1.88	1.87	1.85	1.84
V2	6	271	1.82	1.81	1.79	1.78	1.76	1.75	1.73	1.72	1.70	1.69
V2	6	281	1.68	1.66	1.65	1.63	1.62	1.61	1.59	1.58	1.57	1.55
V2	6	291	1.54	1.53	1.52	1.50	1.49	1.48				
V1	7	297	1.48	1.48	1.48	1.48	1.47	1.47	1.47	1.47	1.47	1.46
V1	7	307	1.46	1.46	1.46	1.46	1.45	1.45	1.45	1.45	1.44	1.44
V1	7	317	1.44	1.44	1.44	1.43	1.43	1.43	1.43	1.42	1.30	
OB	3	56	1.79	1.86	1.93	2.00	2.07	2.15	2.22	2.29	2.35	2.42
OB	3	66	2.49	2.56	2.63	2.70	2.77	2.84	2.91	2.98	3.04	3.11
OB	3	76	3.18	3.25	3.32	3.38	3.45	3.52	3.59	3.65	3.72	3.79
OB	3	86	3.85	3.92	3.99	4.05	4.12	4.18	4.25	4.31	4.37	4.42
OB	3	96	4.38	4.02								

INTERMEDIATE REPORT

Ammonia Nitrogen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09
GL	1	11	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
GL	1	21	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
GL	1	31	0.09	0.09	0.09	0.09	0.09					
FB	2	36	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
FB	2	46	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10
F2	4	98	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14

F2	4	108	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16
F2	4	118	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.18
F2	4	128	0.18	0.18	0.18	0.18						
V3	5	132	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17
V3	5	142	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18
V3	5	152	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.22
V3	5	162	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.28
V3	5	172	0.29	0.29	0.30	0.30	0.31	0.32	0.32	0.33	0.34	
V2	6	181	0.37	0.39	0.40	0.41	0.43	0.43	0.44	0.44	0.44	0.43
V2	6	191	0.42	0.41	0.39	0.37	0.36	0.34	0.32	0.31	0.29	0.28
V2	6	201	0.27	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.19	0.18
V2	6	211	0.18	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15	0.14
V2	6	221	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13
V2	6	231	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
V2	6	241	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
V2	6	251	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
V2	6	261	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09
V2	6	271	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
V2	6	281	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
V2	6	291	0.08	0.08	0.08	0.08	0.08	0.08				
V1	7	297	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
V1	7	307	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
V1	7	317	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	
OB	3	56	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
OB	3	66	0.10	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15
OB	3	76	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.20	0.21	0.22
OB	3	86	0.23	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31
OB	3	96	0.30	0.26								

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	31	0.00	0.00	0.00	0.00	0.00					
FB	2	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FB	2	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	128	0.00	0.00	0.00	0.00						
V3	5	132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
V2	6	181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	191	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	201	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

V2	6	211	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	221	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	241	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	251	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	261	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	271	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	281	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	291	0.00	0.00	0.00	0.00	0.00	0.00				
V1	7	297	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	307	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	317	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OB	3	56	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	96	0.00	0.00								

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

mg/L — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	1.72	1.73	1.74	1.75	1.76	1.78	1.79	1.80	1.81	1.83
GL	1	11	1.84	1.85	1.86	1.88	1.89	1.90	1.91	1.93	1.94	1.95
GL	1	21	1.96	1.97	1.99	2.00	2.01	2.03	2.04	2.05	2.07	2.08
GL	1	31	2.10	2.11	2.13	2.14	2.15					
FB	2	36	2.18	2.20	2.23	2.25	2.28	2.30	2.33	2.35	2.38	2.40
FB	2	46	2.43	2.45	2.48	2.50	2.53	2.55	2.58	2.60	2.63	2.68
F2	4	98	3.00	3.02	3.05	3.07	3.10	3.12	3.14	3.17	3.19	3.22
F2	4	108	3.24	3.27	3.29	3.32	3.35	3.37	3.40	3.42	3.45	3.47
F2	4	118	3.50	3.52	3.55	3.57	3.60	3.62	3.65	3.67	3.70	3.72
F2	4	128	3.74	3.77	3.79	3.77						
V3	5	132	3.40	3.42	3.43	3.45	3.46	3.48	3.50	3.51	3.53	3.55
V3	5	142	3.56	3.58	3.59	3.61	3.63	3.64	3.66	3.68	3.69	3.71
V3	5	152	3.73	3.74	3.76	3.78	3.80	3.82	3.84	3.86	3.88	3.90
V3	5	162	3.91	3.93	3.95	3.97	3.99	4.01	4.03	4.05	4.07	4.09
V3	5	172	4.11	4.13	4.15	4.17	4.19	4.21	4.23	4.25	4.26	
V2	6	181	4.25	4.23	4.22	4.20	4.18	4.16	4.13	4.10	4.07	4.03
V2	6	191	3.99	3.95	3.90	3.85	3.81	3.76	3.72	3.67	3.63	3.59
V2	6	201	3.55	3.50	3.47	3.43	3.39	3.36	3.32	3.29	3.25	3.22
V2	6	211	3.19	3.16	3.13	3.10	3.07	3.05	3.02	2.99	2.97	2.94
V2	6	221	2.91	2.89	2.86	2.84	2.82	2.79	2.77	2.74	2.72	2.70
V2	6	231	2.68	2.65	2.63	2.61	2.59	2.56	2.54	2.52	2.50	2.48
V2	6	241	2.46	2.44	2.42	2.40	2.38	2.36	2.34	2.32	2.30	2.28
V2	6	251	2.26	2.24	2.22	2.20	2.19	2.17	2.15	2.13	2.11	2.10
V2	6	261	2.08	2.06	2.05	2.03	2.01	2.00	1.98	1.96	1.95	1.93
V2	6	271	1.91	1.90	1.88	1.87	1.85	1.84	1.82	1.80	1.79	1.78
V2	6	281	1.76	1.75	1.73	1.72	1.70	1.69	1.68	1.66	1.65	1.64
V2	6	291	1.62	1.61	1.60	1.58	1.57	1.56				
V1	7	297	1.56	1.56	1.56	1.56	1.55	1.55	1.55	1.55	1.54	1.54
V1	7	307	1.54	1.54	1.54	1.53	1.53	1.53	1.53	1.53	1.52	1.52

V1	7	317	1.52	1.52	1.52	1.51	1.51	1.51	1.51	1.50	1.38	
OB	3	56	1.90	1.96	2.03	2.10	2.17	2.24	2.31	2.39	2.46	2.53
OB	3	66	2.60	2.67	2.74	2.82	2.89	2.96	3.04	3.11	3.18	3.26
OB	3	76	3.33	3.41	3.48	3.56	3.63	3.71	3.78	3.86	3.93	4.01
OB	3	86	4.08	4.16	4.23	4.30	4.38	4.45	4.53	4.60	4.67	4.72
OB	3	96	4.69	4.28								

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

µg/L — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	
GL	1	1	99.86	99.71	99.57	99.43	99.29	99.14	99.00	98.86	98.71	98.57	
GL	1	11	98.43	98.29	98.14	98.00	97.86	97.71	97.57	97.43	97.29	97.14	
GL	1	21	97.00	96.86	96.71	96.57	96.43	96.29	96.14	96.00	95.86	95.71	
GL	1	31	95.57	95.43	95.29	95.14	95.00						
FB	2	36	91.75	88.50	85.25	82.00	78.75	75.50	72.25	69.00	65.75	62.50	
FB	2	46	59.25	56.00	52.75	49.50	46.25	43.00	39.75	36.50	33.25	30.00	
F2	4	98	32.06	34.12	36.18	38.24	40.29	42.35	44.41	46.47	48.53	50.59	
F2	4	108	52.65	54.71	56.76	58.82	60.88	62.94	65.00	67.06	69.12	71.18	
F2	4	118	73.24	75.29	77.35	79.41	81.47	83.53	85.59	87.65	89.71	91.76	
F2	4	128	93.82	95.88	97.94	100.00							
V3	5	132	100.10	100.20	100.31	100.41	100.51	100.61	100.71	100.82	100.92	101.02	
V3	5	142	101.12	101.22	101.33	101.43	101.53	101.63	101.73	101.84	101.94	102.04	
V3	5	152	102.14	102.24	102.35	102.45	102.55	102.65	102.76	102.86	102.96	103.06	
V3	5	162	103.16	103.27	103.37	103.47	103.57	103.67	103.78	103.88	103.98	104.08	
V3	5	172	104.18	104.29	104.39	104.49	104.59	104.69	104.80	104.90	105.00		
V2	6	181	104.53	104.05	103.58	103.10	102.63	102.16	101.68	101.21	100.73	100.26	
V2	6	191	99.78	99.31	98.84	98.36	97.89	97.41	96.94	96.47	95.99	95.52	
V2	6	201	95.04	94.57	94.09	93.62	93.15	92.67	92.20	91.72	91.25	90.78	
V2	6	211	90.30	89.83	89.35	88.88	88.41	87.93	87.46	86.98	86.51	86.03	
V2	6	221	85.56	85.09	84.61	84.14	83.66	83.19	82.72	82.24	81.77	81.29	
V2	6	231	80.82	80.34	79.87	79.40	78.92	78.45	77.97	77.50	77.03	76.55	
V2	6	241	76.08	75.60	75.13	74.66	74.18	73.71	73.23	72.76	72.28	71.81	
V2	6	251	71.34	70.86	70.39	69.91	69.44	68.97	68.49	68.02	67.54	67.07	
V2	6	261	66.59	66.12	65.65	65.17	64.70	64.22	63.75	63.28	62.80	62.33	
V2	6	271	61.85	61.38	60.91	60.43	59.96	59.48	59.01	58.53	58.06	57.59	
V2	6	281	57.11	56.64	56.16	55.69	55.22	54.74	54.27	53.79	53.32	52.84	
V2	6	291	52.37	51.90	51.42	50.95	50.47	50.00					
V1	7	297	48.34	46.69	45.03	43.38	41.72	40.07	38.41	36.76	35.10	33.45	
V1	7	307	31.79	30.14	28.48	26.83	25.17	23.52	21.86	20.21	18.55	16.90	
V1	7	317	15.24	13.59	11.93	10.28	8.62	6.97	5.31	3.66	2.00		
OB	3	56	93.45	91.90	90.36	88.81	87.26	85.71	84.17	82.62	81.07	79.52	
OB	3	66	77.98	76.43	74.88	73.33	71.79	70.24	68.69	67.14	65.60	64.05	
OB	3	76	62.50	60.95	59.40	57.86	56.31	54.76	53.21	51.67	50.12	48.57	
OB	3	86	47.02	45.48	43.93	42.38	40.83	39.29	37.74	36.19	34.64	33.10	
OB	3	96	31.55	30.00									

INTERMEDIATE REPORT

Temperature — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

deg C — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	33.12	33.15	33.17	33.19	33.21	33.24	33.26	33.28	33.31	33.33

GL	1	11	33.35	33.37	33.40	33.42	33.44	33.47	33.49	33.51	33.53	33.56
GL	1	21	33.58	33.60	33.63	33.65	33.67	33.69	33.72	33.74	33.76	33.79
GL	1	31	33.81	33.83	33.85	33.88	33.90					
FB	2	36	33.85	33.80	33.75	33.70	33.65	33.60	33.55	33.50	33.45	33.40
FB	2	46	33.35	33.30	33.25	33.20	33.15	33.10	33.05	33.00	32.95	32.90
F2	4	98	32.90	32.89	32.89	32.89	32.89	32.88	32.88	32.88	32.87	32.87
F2	4	108	32.87	32.86	32.86	32.86	32.86	32.85	32.85	32.85	32.84	32.84
F2	4	118	32.84	32.84	32.83	32.83	32.83	32.82	32.82	32.82	32.81	32.81
F2	4	128	32.81	32.81	32.80	32.80						
V3	5	132	32.80	32.79	32.79	32.78	32.78	32.78	32.77	32.77	32.76	32.76
V3	5	142	32.76	32.75	32.75	32.74	32.74	32.73	32.73	32.73	32.72	32.72
V3	5	152	32.71	32.71	32.71	32.70	32.70	32.69	32.69	32.69	32.68	32.68
V3	5	162	32.67	32.67	32.67	32.66	32.66	32.65	32.65	32.64	32.64	32.64
V3	5	172	32.63	32.63	32.62	32.62	32.62	32.61	32.61	32.60	32.60	
V2	6	181	32.60	32.60	32.60	32.60	32.60	32.59	32.59	32.59	32.59	32.59
V2	6	191	32.59	32.59	32.59	32.59	32.59	32.59	32.59	32.58	32.58	32.58
V2	6	201	32.58	32.58	32.58	32.58	32.58	32.58	32.58	32.58	32.58	32.57
V2	6	211	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57
V2	6	221	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56
V2	6	231	32.56	32.56	32.55	32.55	32.55	32.55	32.55	32.55	32.55	32.55
V2	6	241	32.55	32.55	32.55	32.54	32.54	32.54	32.54	32.54	32.54	32.54
V2	6	251	32.54	32.54	32.54	32.54	32.54	32.53	32.53	32.53	32.53	32.53
V2	6	261	32.53	32.53	32.53	32.53	32.53	32.53	32.53	32.52	32.52	32.52
V2	6	271	32.52	32.52	32.52	32.52	32.52	32.52	32.52	32.52	32.51	32.51
V2	6	281	32.51	32.51	32.51	32.51	32.51	32.51	32.51	32.51	32.51	32.51
V2	6	291	32.50	32.50	32.50	32.50	32.50	32.50				
V1	7	297	32.44	32.38	32.32	32.27	32.21	32.15	32.09	32.03	31.97	31.91
V1	7	307	31.86	31.80	31.74	31.68	31.62	31.56	31.50	31.44	31.39	31.33
V1	7	317	31.27	31.21	31.15	31.09	31.03	30.98	30.92	30.86	30.80	
OB	3	56	33.88	33.85	33.83	33.80	33.78	33.76	33.73	33.71	33.69	33.66
OB	3	66	33.64	33.61	33.59	33.57	33.54	33.52	33.50	33.47	33.45	33.42
OB	3	76	33.40	33.38	33.35	33.33	33.30	33.28	33.26	33.23	33.21	33.19
OB	3	86	33.16	33.14	33.11	33.09	33.07	33.04	33.02	33.00	32.97	32.95
OB	3	96	32.92	32.90								

INTERMEDIATE REPORT

Salinity — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

ppt — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	31	0.00	0.00	0.00	0.00	0.00					
FB	2	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FB	2	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	128	0.00	0.00	0.00	0.00						
V3	5	132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

V3	5	152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
V2	6	181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	191	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	201	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	211	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	221	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	241	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	251	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	261	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	271	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	281	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	291	0.00	0.00	0.00	0.00	0.00	0.00				
V1	7	297	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	307	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	317	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OB	3	56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	96	0.00	0.00								

INTERMEDIATE REPORT

Reaeration Rate per day

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.942	0.942	0.943	0.943	0.943	0.944	0.944	0.944	0.945	0.945
GL	1	11	0.945	0.946	0.946	0.947	0.947	0.947	0.948	0.948	0.948	0.949
GL	1	21	0.949	0.949	0.950	0.950	0.950	0.951	0.951	0.952	0.952	0.952
GL	1	31	0.953	0.953	0.953	0.954	0.954					
FB	2	36	0.172	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.170	0.170
FB	2	46	0.170	0.170	0.170	0.170	0.170	0.169	0.169	0.169	0.169	0.169
F2	4	98	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201
F2	4	108	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201
F2	4	118	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201
F2	4	128	0.201	0.201	0.201	0.201						
V3	5	132	0.706	0.706	0.706	0.706	0.706	0.706	0.706	0.706	0.706	0.706
V3	5	142	0.706	0.706	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705
V3	5	152	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705
V3	5	162	0.705	0.705	0.704	0.704	0.704	0.704	0.704	0.704	0.704	0.704
V3	5	172	0.704	0.704	0.704	0.704	0.704	0.704	0.704	0.704	0.704	
V2	6	181	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443
V2	6	191	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443
V2	6	201	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443	0.443
V2	6	211	0.443	0.443	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	221	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	231	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	241	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	251	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442

V2	6	261	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	271	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	281	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
V2	6	291	0.442	0.442	0.442	0.442	0.442	0.442				
V1	7	297	0.482	0.482	0.481	0.481	0.480	0.480	0.479	0.479	0.479	0.478
V1	7	307	0.478	0.477	0.477	0.476	0.476	0.475	0.475	0.474	0.474	0.473
V1	7	317	0.473	0.472	0.472	0.471	0.471	0.470	0.470	0.470	0.469	
OB	3	56	0.360	0.359	0.359	0.359	0.359	0.359	0.359	0.359	0.358	0.358
OB	3	66	0.358	0.358	0.358	0.358	0.358	0.357	0.357	0.357	0.357	0.357
OB	3	76	0.357	0.357	0.357	0.356	0.356	0.356	0.356	0.356	0.356	0.356
OB	3	86	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.354	0.354	0.354
OB	3	96	0.354	0.354								

INTERMEDIATE REPORT

BOD Decay Rate per day

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
GL	1	11	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.34
GL	1	21	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
GL	1	31	0.34	0.34	0.34	0.34	0.34					
FB	2	36	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
FB	2	46	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.38
F2	4	98	0.38	0.37	0.34	0.32	0.30	0.29	0.27	0.26	0.25	0.24
F2	4	108	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.23	0.23
F2	4	118	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26
F2	4	128	0.26	0.27	0.27	0.32						
V3	5	132	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V3	5	142	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V3	5	152	0.29	0.27	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.24
V3	5	162	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22
V3	5	172	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	
V2	6	181	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.24	0.25	0.25
V2	6	191	0.26	0.27	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V2	6	201	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
V2	6	211	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28
V2	6	221	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	231	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	241	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	251	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	261	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	271	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	281	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
V2	6	291	0.28	0.28	0.28	0.28	0.28	0.28				
V1	7	297	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
V1	7	307	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
V1	7	317	0.34	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	
OB	3	56	0.40	0.40	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.39
OB	3	66	0.39	0.39	0.38	0.34	0.31	0.29	0.27	0.26	0.25	0.24
OB	3	76	0.23	0.22	0.22	0.21	0.20	0.20	0.19	0.19	0.18	0.18
OB	3	86	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.13	0.13

OB	3	96	0.13	0.18

INTERMEDIATE REPORT

BOD Settling Rate — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

per day — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GL	1	31	0.00	0.00	0.00	0.00	0.00					
FB	2	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FB	2	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F2	4	128	0.00	0.00	0.00	0.00						
V3	5	132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V3	5	172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
V2	6	181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	191	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	201	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	211	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	221	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	241	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	251	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	261	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	271	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	281	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2	6	291	0.00	0.00	0.00	0.00	0.00	0.00				
V1	7	297	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	307	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V1	7	317	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OB	3	56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OB	3	96	0.00	0.00								

INTERMEDIATE REPORT

Ammonia Decay Rate — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

per day — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
GL	1	11	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
GL	1	21	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.58
GL	1	31	0.58	0.58	0.58	0.58	0.58					
FB	2	36	0.58	0.57	0.57	0.57	0.56	0.55	0.55	0.54	0.54	0.53
FB	2	46	0.52	0.52	0.51	0.50	0.49	0.48	0.47	0.45	0.44	0.42

F2	4	98	0.39	0.36	0.27	0.21	0.17	0.13	0.11	0.09	0.08	0.07
F2	4	108	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.06
F2	4	118	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09
F2	4	128	0.10	0.10	0.11	0.21						
V3	5	132	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.46	0.46
V3	5	142	0.46	0.45	0.45	0.44	0.43	0.42	0.42	0.41	0.40	0.38
V3	5	152	0.37	0.32	0.28	0.26	0.24	0.22	0.21	0.20	0.20	0.19
V3	5	162	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13
V3	5	172	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	
V2	6	181	0.10	0.10	0.11	0.12	0.14	0.15	0.17	0.19	0.22	0.24
V2	6	191	0.27	0.31	0.35	0.37	0.39	0.40	0.42	0.44	0.45	0.47
V2	6	201	0.48	0.49	0.50	0.51	0.52	0.52	0.53	0.53	0.54	0.54
V2	6	211	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
V2	6	221	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
V2	6	231	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
V2	6	241	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
V2	6	251	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
V2	6	261	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
V2	6	271	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
V2	6	281	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51
V2	6	291	0.51	0.51	0.50	0.50	0.50	0.50				
V1	7	297	0.50	0.49	0.49	0.49	0.48	0.48	0.48	0.47	0.47	0.46
V1	7	307	0.46	0.46	0.45	0.45	0.44	0.44	0.44	0.43	0.43	0.42
V1	7	317	0.42	0.41	0.40	0.40	0.39	0.39	0.38	0.37	0.37	
OB	3	56	0.58	0.57	0.57	0.56	0.55	0.53	0.52	0.51	0.49	0.47
OB	3	66	0.45	0.42	0.37	0.23	0.17	0.13	0.10	0.09	0.07	0.06
OB	3	76	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02
OB	3	86	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
OB	3	96	0.01	0.02								

INTERMEDIATE REPORT

Sediment Oxygen Demand — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

g/m²/d — Baseline Simulation for Lake Verret and Grassy Lake model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
GL	1	1	1.60	1.60	1.60	1.61	1.61	1.61	1.61	1.62	1.62	1.62
GL	1	11	1.62	1.63	1.63	1.63	1.63	1.63	1.64	1.64	1.64	1.64
GL	1	21	1.65	1.65	1.65	1.65	1.66	1.66	1.66	1.66	1.67	1.67
GL	1	31	1.67	1.67	1.67	1.68	1.68					
FB	2	36	7.18	7.15	7.13	7.11	7.09	7.06	7.04	7.02	7.00	6.98
FB	2	46	6.95	6.93	6.91	6.89	6.87	6.85	6.82	6.80	6.78	6.76
F2	4	98	6.76	6.60	6.13	5.73	5.38	5.09	4.85	4.64	4.48	4.34
F2	4	108	4.23	4.14	4.07	4.03	4.00	3.98	3.98	3.98	4.00	4.03
F2	4	118	4.06	4.10	4.15	4.20	4.25	4.31	4.37	4.44	4.51	4.58
F2	4	128	4.65	4.72	4.83	5.68						
V3	5	132	3.36	3.36	3.36	3.36	3.35	3.35	3.35	3.35	3.35	3.35
V3	5	142	3.35	3.35	3.35	3.35	3.35	3.34	3.34	3.34	3.34	3.34
V3	5	152	3.34	3.18	3.07	3.00	2.94	2.89	2.85	2.82	2.79	2.76
V3	5	162	2.73	2.70	2.68	2.65	2.62	2.60	2.58	2.55	2.53	2.51
V3	5	172	2.49	2.46	2.44	2.42	2.40	2.38	2.37	2.35	2.34	
V2	6	181	2.30	2.33	2.39	2.46	2.53	2.61	2.69	2.77	2.85	2.94
V2	6	191	3.03	3.13	3.24	3.31	3.31	3.31	3.31	3.31	3.31	3.31

V2	6	201	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	211	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	221	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	231	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
V2	6	241	3.31	3.31	3.31	3.31	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	251	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	261	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	271	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	281	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
V2	6	291	3.30	3.30	3.30	3.30	3.30	3.30				
V1	7	297	1.53	1.53	1.52	1.52	1.51	1.50	1.50	1.49	1.49	1.48
V1	7	307	1.48	1.47	1.47	1.46	1.46	1.45	1.44	1.44	1.43	1.43
V1	7	317	1.42	1.42	1.41	1.41	1.40	1.40	1.39	1.39	1.38	
OB	3	56	7.19	7.18	7.17	7.16	7.15	7.13	7.12	7.11	7.10	7.09
OB	3	66	7.08	7.07	6.83	6.06	5.53	5.15	4.87	4.64	4.46	4.30
OB	3	76	4.16	4.03	3.90	3.79	3.67	3.56	3.45	3.35	3.25	3.14
OB	3	86	3.05	2.95	2.85	2.76	2.66	2.57	2.48	2.40	2.32	2.25
OB	3	96	2.31	3.17								

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	VELO	VELO	SAT	RATE	DECA	SETT	DECA	SETT	DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
		HDWTR	20.233	30.0	0.0	6.7	23.5	0.0	1.6	0.1	100.0													
1	GL 1	28.20	20.233	33.1	0.0	6.7	23.5	0.0	1.6	0.1	99.9	0.5	1.011	343.0	0.015	0.015	7.2	0.942	0.33	0.00	0.00	0.00	0.55	1.60
2	GL 1	28.10	20.233	33.1	0.0	6.7	23.5	0.0	1.6	0.1	99.7	0.5	1.011	343.0	0.015	0.015	7.2	0.942	0.33	0.00	0.00	0.00	0.56	1.60
3	GL 1	28.00	20.233	33.2	0.0	6.7	23.6	0.0	1.6	0.1	99.6	0.5	1.011	343.0	0.015	0.015	7.2	0.943	0.33	0.00	0.00	0.00	0.56	1.60
4	GL 1	27.90	20.233	33.2	0.0	6.7	23.6	0.0	1.7	0.1	99.4	0.5	1.011	343.0	0.015	0.015	7.2	0.943	0.33	0.00	0.00	0.00	0.56	1.61
5	GL 1	27.80	20.233	33.2	0.0	6.7	23.6	0.0	1.7	0.1	99.3	0.5	1.011	343.0	0.015	0.015	7.2	0.943	0.33	0.00	0.00	0.00	0.56	1.61
6	GL 1	27.70	20.233	33.2	0.0	6.7	23.6	0.0	1.7	0.1	99.1	0.5	1.011	343.0	0.015	0.015	7.2	0.944	0.33	0.00	0.00	0.00	0.56	1.61
7	GL 1	27.60	20.233	33.3	0.0	6.7	23.6	0.0	1.7	0.1	99.0	0.5	1.011	343.0	0.015	0.015	7.2	0.944	0.33	0.00	0.00	0.00	0.56	1.61
8	GL 1	27.50	20.233	33.3	0.0	6.7	23.6	0.0	1.7	0.1	98.9	0.5	1.011	343.0	0.015	0.015	7.1	0.944	0.33	0.00	0.00	0.00	0.56	1.62
9	GL 1	27.40	20.233	33.3	0.0	6.7	23.7	0.0	1.7	0.1	98.7	0.5	1.011	343.0	0.015	0.015	7.1	0.945	0.33	0.00	0.00	0.00	0.56	1.62
10	GL 1	27.30	20.233	33.3	0.0	6.6	23.7	0.0	1.7	0.1	98.6	0.5	1.011	343.0	0.015	0.015	7.1	0.945	0.33	0.00	0.00	0.00	0.56	1.62
11	GL 1	27.20	20.233	33.4	0.0	6.6	23.7	0.0	1.7	0.1	98.4	0.5	1.011	343.0	0.015	0.015	7.1	0.945	0.33	0.00	0.00	0.00	0.56	1.62
12	GL 1	27.10	20.233	33.4	0.0	6.6	23.7	0.0	1.8	0.1	98.3	0.5	1.011	343.0	0.015	0.015	7.1	0.946	0.33	0.00	0.00	0.00	0.56	1.63
13	GL 1	27.00	20.233	33.4	0.0	6.6	23.7	0.0	1.8	0.1	98.1	0.5	1.011	343.0	0.015	0.015	7.1	0.946	0.33	0.00	0.00	0.00	0.57	1.63
14	GL 1	26.90	20.233	33.4	0.0	6.6	23.7	0.0	1.8	0.1	98.0	0.5	1.011	343.0	0.015	0.015	7.1	0.947	0.33	0.00	0.00	0.00	0.57	1.63
15	GL 1	26.80	20.233	33.4	0.0	6.6	23.7	0.0	1.8	0.1	97.9	0.5	1.011	343.0	0.015	0.015	7.1	0.947	0.33	0.00	0.00	0.00	0.57	1.63
16	GL 1	26.70	20.233	33.5	0.0	6.6	23.7	0.0	1.8	0.1	97.7	0.5	1.011	343.0	0.015	0.015	7.1	0.947	0.33	0.00	0.00	0.00	0.57	1.63
17	GL 1	26.60	20.233	33.5	0.0	6.6	23.7	0.0	1.8	0.1	97.6	0.5	1.011	343.0	0.015	0.015	7.1	0.948	0.33	0.00	0.00	0.00	0.57	1.64
18	GL 1	26.50	20.233	33.5	0.0	6.5	23.7	0.0	1.8	0.1	97.4	0.5	1.011	343.0	0.015	0.015	7.1	0.948	0.33	0.00	0.00	0.00	0.57	1.64
19	GL 1	26.40	20.233	33.5	0.0	6.5	23.7	0.0	1.8	0.1	97.3	0.5	1.011	343.0	0.015	0.015	7.1	0.948	0.34	0.00	0.00	0.00	0.57	1.64
20	GL 1	26.30	20.233	33.6	0.0	6.5	23.7	0.0	1.9	0.1	97.1	0.5	1.011	343.0	0.015	0.015	7.1	0.949	0.34	0.00	0.00	0.00	0.57	1.64
21	GL 1	26.20	20.233	33.6	0.0	6.5	23.7	0.0	1.9	0.1	97.0	0.5	1.011	343.0	0.015	0.015	7.1	0.949	0.34	0.00	0.00	0.00	0.57	1.65
22	GL 1	26.10	20.233	33.6	0.0	6.5	23.7	0.0	1.9	0.1	96.9	0.5	1.011	343.0	0.015	0.015	7.1	0.949	0.34	0.00	0.00	0.00	0.57	1.65
23	GL 1	26.00	20.233	33.6	0.0	6.5	23.7	0.0	1.9	0.1	96.7	0.5	1.011	343.0	0.015	0.015	7.1	0.950	0.34	0.00	0.00	0.00	0.57	1.65
24	GL 1	25.90	20.233	33.6	0.0	6.5	23.7	0.0	1.9	0.1	96.6	0.5	1.011	343.0	0.015	0.015	7.1	0.950	0.34	0.00	0.00	0.00	0.57	1.65
25	GL 1	25.80	20.233	33.7	0.0	6.4	23.7	0.0	1.9	0.1	96.4	0.5	1.011	343.0	0.015	0.015	7.1	0.950	0.34	0.00	0.00	0.00	0.57	1.66
	DIVERSION # 026 (Outflow to FB Oxbow) LEAVES HERE																							
26	GL 1	25.70	17.300	33.7	0.0	6.4	23.7	0.0	1.9	0.1	96.3	0.5	1.011	343.0	0.013	0.013	7.1	0.951	0.34	0.00	0.00	0.00	0.58	1.66

27	GL	1	25.60	17.300	33.7	0.0	6.4	23.7	0.0	2.0	0.1	96.1	0.5	1.011	343.0	0.013	0.013	7.1	0.951	0.34	0.00	0.00	0.00	0.58	1.66
28	GL	1	25.50	17.300	33.7	0.0	6.4	23.7	0.0	2.0	0.1	96.0	0.5	1.011	343.0	0.013	0.013	7.1	0.952	0.34	0.00	0.00	0.00	0.58	1.66
29	GL	1	25.40	17.300	33.8	0.0	6.4	23.7	0.0	2.0	0.1	95.9	0.5	1.011	343.0	0.013	0.013	7.1	0.952	0.34	0.00	0.00	0.00	0.58	1.67
30	GL	1	25.30	17.300	33.8	0.0	6.4	23.7	0.0	2.0	0.1	95.7	0.5	1.011	343.0	0.013	0.013	7.1	0.952	0.34	0.00	0.00	0.00	0.58	1.67
31	GL	1	25.20	17.300	33.8	0.0	6.3	23.7	0.0	2.0	0.1	95.6	0.5	1.011	343.0	0.013	0.013	7.1	0.953	0.34	0.00	0.00	0.00	0.58	1.67
32	GL	1	25.10	17.300	33.8	0.0	6.3	23.7	0.0	2.0	0.1	95.4	0.5	1.011	343.0	0.013	0.013	7.1	0.953	0.34	0.00	0.00	0.00	0.58	1.67
33	GL	1	25.00	17.300	33.9	0.0	6.3	23.7	0.0	2.0	0.1	95.3	0.5	1.011	343.0	0.013	0.013	7.1	0.953	0.34	0.00	0.00	0.00	0.58	1.67
34	GL	1	24.90	17.300	33.9	0.0	6.3	23.7	0.0	2.1	0.1	95.1	0.5	1.011	343.0	0.013	0.013	7.1	0.954	0.34	0.00	0.00	0.00	0.58	1.68
35	GL	1	24.80	17.300	33.9	0.0	6.3	23.7	0.0	2.1	0.1	95.0	0.5	1.011	343.0	0.013	0.013	7.1	0.954	0.34	0.00	0.00	0.00	0.58	1.68
36	FB	2	24.70	17.300	33.9	0.0	6.2	23.8	0.0	2.1	0.1	91.8	0.4	5.24	107.0	0.031	0.031	7.1	0.172	0.40	0.00	0.00	0.00	0.58	7.18
37	FB	2	24.60	17.300	33.8	0.0	6.1	23.8	0.0	2.1	0.1	88.5	0.4	5.24	107.0	0.031	0.031	7.1	0.171	0.40	0.00	0.00	0.00	0.57	7.15
38	FB	2	24.50	17.300	33.8	0.0	6.0	23.8	0.0	2.1	0.1	85.2	0.4	5.24	107.0	0.031	0.031	7.1	0.171	0.39	0.00	0.00	0.00	0.57	7.13
39	FB	2	24.40	17.300	33.7	0.0	5.9	23.9	0.0	2.2	0.1	82.0	0.4	5.24	107.0	0.031	0.031	7.1	0.171	0.39	0.00	0.00	0.00	0.57	7.11
40	FB	2	24.30	17.300	33.7	0.0	5.7	23.9	0.0	2.2	0.1	78.8	0.4	5.24	107.0	0.031	0.031	7.1	0.171	0.39	0.00	0.00	0.00	0.56	7.09
41	FB	2	24.20	17.300	33.6	0.0	5.6	24.0	0.0	2.2	0.1	75.5	0.4	5.24	107.0	0.031	0.031	7.1	0.171	0.39	0.00	0.00	0.00	0.55	7.06
42	FB	2	24.10	17.300	33.6	0.0	5.4	24.0	0.0	2.2	0.1	72.2	0.4	5.24	107.0	0.031	0.031	7.1	0.171	0.39	0.00	0.00	0.00	0.55	7.04
43	FB	2	24.00	17.300	33.5	0.0	5.3	24.1	0.0	2.3	0.1	69.0	0.4	5.24	107.0	0.031	0.031	7.1	0.171	0.39	0.00	0.00	0.00	0.54	7.02
44	FB	2	23.90	17.300	33.5	0.0	5.1	24.1	0.0	2.3	0.1	65.8	0.4	5.24	107.0	0.031	0.031	7.1	0.170	0.39	0.00	0.00	0.00	0.54	7.00
45	FB	2	23.80	17.300	33.4	0.0	4.9	24.2	0.0	2.3	0.1	62.5	0.4	5.24	107.0	0.031	0.031	7.1	0.170	0.39	0.00	0.00	0.00	0.53	6.98
46	FB	2	23.70	17.300	33.4	0.0	4.7	24.2	0.0	2.3	0.1	59.2	0.4	5.24	107.0	0.031	0.031	7.1	0.170	0.39	0.00	0.00	0.00	0.52	6.95
47	FB	2	23.60	17.300	33.3	0.0	4.5	24.3	0.0	2.4	0.1	56.0	0.4	5.24	107.0	0.031	0.031	7.1	0.170	0.39	0.00	0.00	0.00	0.52	6.93
48	FB	2	23.50	17.300	33.2	0.0	4.3	24.3	0.0	2.4	0.1	52.8	0.4	5.24	107.0	0.031	0.031	7.2	0.170	0.39	0.00	0.00	0.00	0.51	6.91
49	FB	2	23.40	17.300	33.2	0.0	4.1	24.4	0.0	2.4	0.1	49.5	0.4	5.24	107.0	0.031	0.031	7.2	0.170	0.39	0.00	0.00	0.00	0.50	6.89
50	FB	2	23.30	17.300	33.2	0.0	3.9	24.4	0.0	2.4	0.1	46.2	0.4	5.24	107.0	0.031	0.031	7.2	0.170	0.38	0.00	0.00	0.00	0.49	6.87
51	FB	2	23.20	17.300	33.1	0.0	3.6	24.5	0.0	2.5	0.1	43.0	0.4	5.24	107.0	0.031	0.031	7.2	0.169	0.38	0.00	0.00	0.00	0.48	6.85
52	FB	2	23.10	17.300	33.1	0.0	3.4	24.5	0.0	2.5	0.1	39.8	0.4	5.24	107.0	0.031	0.031	7.2	0.169	0.38	0.00	0.00	0.00	0.47	6.82
53	FB	2	23.00	17.300	33.0	0.0	3.1	24.6	0.0	2.5	0.1	36.5	0.4	5.24	107.0	0.031	0.031	7.2	0.169	0.38	0.00	0.00	0.00	0.45	6.80
54	FB	2	22.90	17.300	33.0	0.0	2.9	24.6	0.0	2.5	0.1	33.2	0.4	5.24	107.0	0.031	0.031	7.2	0.169	0.38	0.00	0.00	0.00	0.44	6.78
55	FB	2	22.80	17.300	32.9	0.0	2.6	24.8	0.0	2.6	0.1	30.0	0.4	5.24	107.0	0.031	0.031	7.2	0.169	0.38	0.00	0.00	0.00	0.42	6.76
TRIBUTARY # 056 (Fourmile Bayou Oxbow) ENTERS HERE																										
98	F2	4	22.70	20.233	32.9	0.0	2.1	26.6	0.0	2.9	0.1	32.1	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.38	0.00	0.00	0.00	0.39	6.76
99	F2	4	22.60	20.233	32.9	0.0	2.0	26.7	0.0	2.9	0.1	34.1	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.37	0.00	0.00	0.00	0.36	6.60
100	F2	4	22.50	20.233	32.9	0.0	1.8	26.7	0.0	2.9	0.1	36.2	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.34	0.00	0.00	0.00	0.27	6.13
101	F2	4	22.40	20.233	32.9	0.0	1.7	26.7	0.0	2.9	0.1	38.2	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.32	0.00	0.00	0.00	0.21	5.73
102	F2	4	22.30	20.233	32.9	0.0	1.6	26.7	0.0	3.0	0.1	40.3	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.30	0.00	0.00	0.00	0.17	5.38
103	F2	4	22.20	20.233	32.9	0.0	1.5	26.8	0.0	3.0	0.1	42.4	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.29	0.00	0.00	0.00	0.13	5.09
104	F2	4	22.10	20.233	32.9	0.0	1.4	26.9	0.0	3.0	0.1	44.4	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.27	0.00	0.00	0.00	0.11	4.85
105	F2	4	22.00	20.233	32.9	0.0	1.4	26.9	0.0	3.0	0.1	46.5	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.26	0.00	0.00	0.00	0.09	4.64
106	F2	4	21.90	20.233	32.9	0.0	1.3	27.0	0.0	3.1	0.1	48.5	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.25	0.00	0.00	0.00	0.08	4.48
107	F2	4	21.80	20.233	32.9	0.0	1.3	27.1	0.0	3.1	0.1	50.6	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.24	0.00	0.00	0.00	0.07	4.34
108	F2	4	21.70	20.233	32.9	0.0	1.3	27.1	0.0	3.1	0.1	52.6	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.24	0.00	0.00	0.00	0.07	4.23
109	F2	4	21.60	20.233	32.9	0.0	1.2	27.2	0.0	3.1	0.1	54.7	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.23	0.00	0.00	0.00	0.06	4.14
110	F2	4	21.50	20.233	32.9	0.0	1.2	27.3	0.0	3.1	0.1	56.8	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.23	0.00	0.00	0.00	0.06	4.07
111	F2	4	21.40	20.233	32.9	0.0	1.2	27.4	0.0	3.2	0.1	58.8	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.23	0.00	0.00	0.00	0.06	4.03
112	F2	4	21.30	20.233	32.9	0.0	1.2	27.5	0.0	3.2	0.2	60.9	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.22	0.00	0.00	0.00	0.05	4.00
113	F2	4	21.20	20.233	32.9	0.0	1.2	27.6	0.0	3.2	0.2	62.9	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.22	0.00	0.00	0.00	0.05	3.98

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d

114	F2	4	21.10	20.233	32.8	0.0	1.2	27.6	0.0	3.2	0.2	65.0	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.22	0.00	0.00	0.00	0.05	3.98
115	F2	4	21.00	20.233	32.8	0.0	1.2	27.7	0.0	3.3	0.2	67.1	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.22	0.00	0.00	0.00	0.05	3.98
116	F2	4	20.90	20.233	32.8	0.0	1.2	27.8	0.0	3.3	0.2	69.1	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.23	0.00	0.00	0.00	0.05	4.00
117	F2	4	20.80	20.233	32.8	0.0	1.2	27.9	0.0	3.3	0.2	71.2	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.23	0.00	0.00	0.00	0.06	4.03
118	F2	4	20.70	20.233	32.8	0.0	1.2	28.0	0.0	3.3	0.2	73.2	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.23	0.00	0.00	0.00	0.06	4.06
119	F2	4	20.60	20.233	32.8	0.0	1.2	28.0	0.0	3.4	0.2	75.3	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.23	0.00	0.00	0.00	0.06	4.10
120	F2	4	20.50	20.233	32.8	0.0	1.2	28.1	0.0	3.4	0.2	77.4	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.23	0.00	0.00	0.00	0.06	4.15
121	F2	4	20.40	20.233	32.8	0.0	1.2	28.2	0.0	3.4	0.2	79.4	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.24	0.00	0.00	0.00	0.07	4.20
122	F2	4	20.30	20.233	32.8	0.0	1.3	28.3	0.0	3.4	0.2	81.5	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.24	0.00	0.00	0.00	0.07	4.25
123	F2	4	20.20	20.233	32.8	0.0	1.3	28.3	0.0	3.5	0.2	83.5	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.24	0.00	0.00	0.00	0.07	4.31
124	F2	4	20.10	20.233	32.8	0.0	1.3	28.4	0.0	3.5	0.2	85.6	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.25	0.00	0.00	0.00	0.08	4.37
125	F2	4	20.00	20.233	32.8	0.0	1.3	28.5	0.0	3.5	0.2	87.6	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.25	0.00	0.00	0.00	0.08	4.44
126	F2	4	19.90	20.233	32.8	0.0	1.3	28.5	0.0	3.5	0.2	89.7	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.25	0.00	0.00	0.00	0.09	4.51
127	F2	4	19.80	20.233	32.8	0.0	1.4	28.6	0.0	3.5	0.2	91.8	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.26	0.00	0.00	0.00	0.09	4.58
128	F2	4	19.70	20.233	32.8	0.0	1.4	28.6	0.0	3.6	0.2	93.8	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.26	0.00	0.00	0.00	0.10	4.65
129	F2	4	19.60	20.233	32.8	0.0	1.4	28.7	0.0	3.6	0.2	95.9	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.27	0.00	0.00	0.00	0.10	4.72
130	F2	4	19.50	20.233	32.8	0.0	1.4	28.7	0.0	3.6	0.2	97.9	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.27	0.00	0.00	0.00	0.11	4.83
131	F2	4	19.40	20.233	32.8	0.0	1.7	28.4	0.0	3.6	0.2	100.0	0.2	4.39	87.0	0.053	0.053	7.2	0.201	0.32	0.00	0.00	0.00	0.21	5.68
WASTELOAD # 132 (Bayou Magazille) ENTERS HERE																									
132	V3	5	19.30	30.267	32.8	0.0	3.6	25.9	0.0	3.2	0.2	100.1	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.46	3.36
133	V3	5	19.20	30.267	32.8	0.0	3.7	26.9	0.0	3.3	0.2	100.2	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.47	3.36
134	V3	5	19.10	30.267	32.8	0.0	3.7	27.8	0.0	3.3	0.2	100.3	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.47	3.36
135	V3	5	19.00	30.267	32.8	0.0	3.8	28.8	0.0	3.3	0.2	100.4	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.47	3.36
136	V3	5	18.90	30.267	32.8	0.0	3.8	29.6	0.0	3.3	0.2	100.5	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.47	3.35
137	V3	5	18.80	30.267	32.8	0.0	3.8	30.5	0.0	3.3	0.2	100.6	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.47	3.35
138	V3	5	18.70	30.267	32.8	0.0	3.7	31.3	0.0	3.3	0.2	100.7	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.47	3.35
139	V3	5	18.60	30.267	32.8	0.0	3.7	32.2	0.0	3.4	0.2	100.8	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.47	3.35
WASTELOAD # 140 (NPDES Group1) ENTERS HERE																									
140	V3	5	18.50	30.269	32.8	0.0	3.6	33.0	0.0	3.4	0.2	100.9	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.46	3.35
141	V3	5	18.40	30.269	32.8	0.0	3.5	33.7	0.0	3.4	0.2	101.0	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.46	3.35
142	V3	5	18.30	30.269	32.8	0.0	3.4	34.5	0.0	3.4	0.2	101.1	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.46	3.35
143	V3	5	18.20	30.269	32.8	0.0	3.3	35.2	0.0	3.4	0.2	101.2	0.2	1.34	1892.0	0.012	0.012	7.2	0.706	0.29	0.00	0.00	0.00	0.45	3.35
144	V3	5	18.10	30.269	32.7	0.0	3.2	35.9	0.0	3.4	0.2	101.3	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.45	3.35
145	V3	5	18.00	30.269	32.7	0.0	3.1	36.6	0.0	3.4	0.2	101.4	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.44	3.35
146	V3	5	17.90	30.269	32.7	0.0	2.9	37.3	0.0	3.5	0.2	101.5	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.43	3.35
147	V3	5	17.80	30.269	32.7	0.0	2.8	38.0	0.0	3.5	0.2	101.6	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.42	3.34
148	V3	5	17.70	30.269	32.7	0.0	2.6	38.6	0.0	3.5	0.2	101.7	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.42	3.34
WASTELOAD # 149 (LAG540112) ENTERS HERE																									
149	V3	5	17.60	30.269	32.7	0.0	2.5	39.2	0.0	3.5	0.2	101.8	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.41	3.34
150	V3	5	17.50	30.269	32.7	0.0	2.3	39.8	0.0	3.5	0.2	101.9	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.40	3.34
151	V3	5	17.40	30.269	32.7	0.0	2.2	40.4	0.0	3.5	0.2	102.0	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.38	3.34
152	V3	5	17.30	30.269	32.7	0.0	2.0	41.0	0.0	3.5	0.2	102.1	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.29	0.00	0.00	0.00	0.37	3.34
153	V3	5	17.20	30.269	32.7	0.0	1.9	41.6	0.0	3.6	0.2	102.2	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.27	0.00	0.00	0.00	0.32	3.18
154	V3	5	17.10	30.269	32.7	0.0	1.8	42.2	0.0	3.6	0.2	102.3	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.26	0.00	0.00	0.00	0.28	3.07
155	V3	5	17.00	30.269	32.7	0.0	1.8	42.9	0.0	3.6	0.2	102.4	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.26	0.00	0.00	0.00	0.26	3.00
156	V3	5	16.90	30.269	32.7	0.0	1.8	43.5	0.0	3.6	0.2	102.6	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.25	0.00	0.00	0.00	0.24	2.94
157	V3	5	16.80	30.269	32.7	0.0	1.7	44.2	0.0	3.6	0.2	102.7	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.25	0.00	0.00	0.00	0.22	2.89
158	V3	5	16.70	30.269	32.7	0.0	1.7	44.8	0.0	3.6	0.2	102.8	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.25	0.00	0.00	0.00	0.21	2.85
159	V3	5	16.60	30.269	32.7	0.0	1.7	45.5	0.0	3.6	0.2	102.9	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.24	0.00	0.00	0.00	0.20	2.82
160	V3	5	16.50	30.269	32.7	0.0	1.7	46.1	0.0	3.7	0.2	103.0	0.2	1.34	1892.0	0.012	0.012	7.2	0.705	0.24	0.00	0.00	0.00	0.20	2.79

161	V3	5	16.40	30.269	32.7	0.0	1.7	46.8	0.0	3.7	0.2103.1	0.2	1.341892.0	0.012	0.012	7.2	0.705	0.24	0.00	0.00	0.00	0.19	2.76
162	V3	5	16.30	30.269	32.7	0.0	1.6	47.4	0.0	3.7	0.2103.2	0.2	1.341892.0	0.012	0.012	7.2	0.705	0.23	0.00	0.00	0.00	0.18	2.73
163	V3	5	16.20	30.269	32.7	0.0	1.6	48.1	0.0	3.7	0.2103.3	0.2	1.341892.0	0.012	0.012	7.2	0.705	0.23	0.00	0.00	0.00	0.17	2.70
164	V3	5	16.10	30.269	32.7	0.0	1.6	48.7	0.0	3.7	0.2103.4	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.23	0.00	0.00	0.00	0.17	2.68
165	V3	5	16.00	30.269	32.7	0.0	1.6	49.3	0.0	3.7	0.2103.5	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.23	0.00	0.00	0.00	0.16	2.65
166	V3	5	15.90	30.269	32.7	0.0	1.6	49.9	0.0	3.7	0.3103.6	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.23	0.00	0.00	0.00	0.16	2.62
167	V3	5	15.80	30.269	32.7	0.0	1.6	50.6	0.0	3.8	0.3103.7	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.22	0.00	0.00	0.00	0.15	2.60
168	V3	5	15.70	30.269	32.6	0.0	1.5	51.2	0.0	3.8	0.3103.8	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.22	0.00	0.00	0.00	0.15	2.58
169	V3	5	15.60	30.269	32.6	0.0	1.5	51.8	0.0	3.8	0.3103.9	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.22	0.00	0.00	0.00	0.14	2.55
170	V3	5	15.50	30.269	32.6	0.0	1.5	52.4	0.0	3.8	0.3104.0	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.22	0.00	0.00	0.00	0.14	2.53
171	V3	5	15.40	30.269	32.6	0.0	1.5	53.0	0.0	3.8	0.3104.1	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.22	0.00	0.00	0.00	0.13	2.51
172	V3	5	15.30	30.269	32.6	0.0	1.5	53.6	0.0	3.8	0.3104.2	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.21	0.00	0.00	0.00	0.13	2.49
173	V3	5	15.20	30.269	32.6	0.0	1.5	54.2	0.0	3.8	0.3104.3	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.21	0.00	0.00	0.00	0.12	2.46
174	V3	5	15.10	30.269	32.6	0.0	1.5	54.8	0.0	3.9	0.3104.4	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.21	0.00	0.00	0.00	0.12	2.44
175	V3	5	15.00	30.269	32.6	0.0	1.5	55.4	0.0	3.9	0.3104.5	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.21	0.00	0.00	0.00	0.12	2.42
176	V3	5	14.90	30.269	32.6	0.0	1.4	56.0	0.0	3.9	0.3104.6	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.21	0.00	0.00	0.00	0.11	2.40
177	V3	5	14.80	30.269	32.6	0.0	1.4	56.6	0.0	3.9	0.3104.7	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.21	0.00	0.00	0.00	0.11	2.38
178	V3	5	14.70	30.269	32.6	0.0	1.4	57.2	0.0	3.9	0.3104.8	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.20	0.00	0.00	0.00	0.11	2.37
179	V3	5	14.60	30.269	32.6	0.0	1.4	57.6	0.0	3.9	0.3104.9	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.20	0.00	0.00	0.00	0.10	2.35
180	V3	5	14.50	30.269	32.6	0.0	1.4	57.3	0.0	3.9	0.3105.0	0.2	1.341892.0	0.012	0.012	7.2	0.704	0.20	0.00	0.00	0.00	0.10	2.34
181	V2	6	14.40	30.269	32.6	0.0	1.4	54.7	0.0	3.9	0.4104.5	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.20	0.00	0.00	0.00	0.10	2.30
182	V2	6	14.30	30.269	32.6	0.0	1.4	52.6	0.0	3.8	0.4104.1	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.20	0.00	0.00	0.00	0.10	2.33
183	V2	6	14.20	30.269	32.6	0.0	1.4	50.5	0.0	3.8	0.4103.6	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.21	0.00	0.00	0.00	0.11	2.39
184	V2	6	14.10	30.269	32.6	0.0	1.5	48.4	0.0	3.8	0.4103.1	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.21	0.00	0.00	0.00	0.12	2.46

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
185	V2	6	14.00	30.269	32.6	0.0	1.5	46.4	0.0	3.8	0.4102.6	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.22	0.00	0.00	0.00	0.14	2.53
186	V2	6	13.90	30.269	32.6	0.0	1.6	44.4	0.0	3.7	0.4102.2	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.22	0.00	0.00	0.00	0.15	2.61
187	V2	6	13.80	30.269	32.6	0.0	1.6	42.5	0.0	3.7	0.4101.7	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.23	0.00	0.00	0.00	0.17	2.69
188	V2	6	13.70	30.269	32.6	0.0	1.7	40.6	0.0	3.7	0.4101.2	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.24	0.00	0.00	0.00	0.19	2.77
189	V2	6	13.60	30.269	32.6	0.0	1.7	38.8	0.0	3.6	0.4100.7	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.25	0.00	0.00	0.00	0.22	2.85
190	V2	6	13.50	30.269	32.6	0.0	1.8	37.0	0.0	3.6	0.4100.3	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.25	0.00	0.00	0.00	0.24	2.94
191	V2	6	13.40	30.269	32.6	0.0	1.8	35.3	0.0	3.6	0.4 99.8	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.26	0.00	0.00	0.00	0.27	3.03
192	V2	6	13.30	30.269	32.6	0.0	1.9	33.6	0.0	3.5	0.4 99.3	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.27	0.00	0.00	0.00	0.31	3.13
193	V2	6	13.20	30.269	32.6	0.0	2.0	32.0	0.0	3.5	0.4 98.8	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.28	0.00	0.00	0.00	0.35	3.24
194	V2	6	13.10	30.269	32.6	0.0	2.1	30.5	0.0	3.5	0.4 98.4	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.37	3.31
195	V2	6	13.00	30.269	32.6	0.0	2.3	29.1	0.0	3.5	0.4 97.9	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.39	3.31
196	V2	6	12.90	30.269	32.6	0.0	2.5	27.9	0.0	3.4	0.3 97.4	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.40	3.31
197	V2	6	12.80	30.269	32.6	0.0	2.8	26.7	0.0	3.4	0.3 96.9	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.42	3.31
198	V2	6	12.70	30.269	32.6	0.0	3.1	25.6	0.0	3.4	0.3 96.5	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.44	3.31
199	V2	6	12.60	30.269	32.6	0.0	3.5	24.6	0.0	3.3	0.3 96.0	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.45	3.31
200	V2	6	12.50	30.269	32.6	0.0	3.9	23.8	0.0	3.3	0.3 95.5	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.47	3.31
201	V2	6	12.40	30.269	32.6	0.0	4.3	22.9	0.0	3.3	0.3 95.0	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.48	3.31
202	V2	6	12.30	30.269	32.6	0.0	4.6	22.2	0.0	3.3	0.3 94.6	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.49	3.31
203	V2	6	12.20	30.269	32.6	0.0	5.0	21.5	0.0	3.2	0.2 94.1	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.50	3.31
204	V2	6	12.10	30.269	32.6	0.0	5.4	20.9	0.0	3.2	0.2 93.6	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.51	3.31
205	V2	6	12.00	30.269	32.6	0.0	5.8	20.3	0.0	3.2	0.2 93.1	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.52	3.31
206	V2	6	11.90	30.269	32.6	0.0	6.1	19.7	0.0	3.1	0.2 92.7	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.52	3.31

207	V2	6	11.80	30.269	32.6	0.0	6.5	19.3	0.0	3.1	0.2	92.2	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.53	3.31
WASTELOAD # 208 (LAG560026) ENTERS HERE																									
208	V2	6	11.70	30.271	32.6	0.0	6.8	18.8	0.0	3.1	0.2	91.7	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.53	3.31
209	V2	6	11.60	30.271	32.6	0.0	7.1	18.4	0.0	3.1	0.2	91.2	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.54	3.31
210	V2	6	11.50	30.271	32.6	0.0	7.4	18.0	0.0	3.0	0.2	90.8	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.54	3.31
211	V2	6	11.40	30.271	32.6	0.0	7.7	17.7	0.0	3.0	0.2	90.3	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.54	3.31
212	V2	6	11.30	30.271	32.6	0.0	7.9	17.4	0.0	3.0	0.2	89.8	0.2	2.134092.0	0.003	0.003	7.2	0.443	0.29	0.00	0.00	0.00	0.54	3.31
213	V2	6	11.20	30.271	32.6	0.0	8.2	17.1	0.0	3.0	0.2	89.4	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.29	0.00	0.00	0.00	0.54	3.31
214	V2	6	11.10	30.271	32.6	0.0	8.4	16.8	0.0	2.9	0.2	88.9	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.29	0.00	0.00	0.00	0.54	3.31
215	V2	6	11.00	30.271	32.6	0.0	8.6	16.6	0.0	2.9	0.2	88.4	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.29	0.00	0.00	0.00	0.54	3.31
216	V2	6	10.90	30.271	32.6	0.0	8.8	16.3	0.0	2.9	0.2	87.9	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
217	V2	6	10.80	30.271	32.6	0.0	8.9	16.1	0.0	2.9	0.2	87.5	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
218	V2	6	10.70	30.271	32.6	0.0	9.1	16.0	0.0	2.8	0.1	87.0	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
219	V2	6	10.60	30.271	32.6	0.0	9.2	15.8	0.0	2.8	0.1	86.5	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
220	V2	6	10.50	30.271	32.6	0.0	9.3	15.6	0.0	2.8	0.1	86.0	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
221	V2	6	10.40	30.271	32.6	0.0	9.4	15.5	0.0	2.8	0.1	85.6	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
222	V2	6	10.30	30.271	32.6	0.0	9.5	15.3	0.0	2.7	0.1	85.1	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
223	V2	6	10.20	30.271	32.6	0.0	9.6	15.2	0.0	2.7	0.1	84.6	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
224	V2	6	10.10	30.271	32.6	0.0	9.7	15.1	0.0	2.7	0.1	84.1	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
225	V2	6	10.00	30.271	32.6	0.0	9.7	15.0	0.0	2.7	0.1	83.7	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
226	V2	6	9.90	30.271	32.6	0.0	9.8	14.9	0.0	2.7	0.1	83.2	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
227	V2	6	9.80	30.271	32.6	0.0	9.8	14.8	0.0	2.6	0.1	82.7	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
228	V2	6	9.70	30.271	32.6	0.0	9.9	14.8	0.0	2.6	0.1	82.2	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
229	V2	6	9.60	30.271	32.6	0.0	9.9	14.7	0.0	2.6	0.1	81.8	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
230	V2	6	9.50	30.271	32.6	0.0	9.9	14.6	0.0	2.6	0.1	81.3	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
231	V2	6	9.40	30.271	32.6	0.0	9.9	14.6	0.0	2.5	0.1	80.8	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
232	V2	6	9.30	30.271	32.6	0.0	9.9	14.5	0.0	2.5	0.1	80.3	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
233	V2	6	9.20	30.271	32.6	0.0	9.9	14.5	0.0	2.5	0.1	79.9	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
234	V2	6	9.10	30.271	32.6	0.0	9.9	14.4	0.0	2.5	0.1	79.4	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
235	V2	6	9.00	30.271	32.6	0.0	9.8	14.4	0.0	2.5	0.1	78.9	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
236	V2	6	8.90	30.271	32.6	0.0	9.8	14.3	0.0	2.4	0.1	78.4	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
237	V2	6	8.80	30.271	32.6	0.0	9.8	14.3	0.0	2.4	0.1	78.0	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
238	V2	6	8.70	30.271	32.5	0.0	9.7	14.3	0.0	2.4	0.1	77.5	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
239	V2	6	8.60	30.271	32.5	0.0	9.7	14.2	0.0	2.4	0.1	77.0	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
240	V2	6	8.50	30.271	32.5	0.0	9.7	14.2	0.0	2.4	0.1	76.6	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
241	V2	6	8.40	30.271	32.5	0.0	9.6	14.2	0.0	2.3	0.1	76.1	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
242	V2	6	8.30	30.271	32.5	0.0	9.6	14.1	0.0	2.3	0.1	75.6	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
243	V2	6	8.20	30.271	32.5	0.0	9.5	14.1	0.0	2.3	0.1	75.1	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
244	V2	6	8.10	30.271	32.5	0.0	9.4	14.1	0.0	2.3	0.1	74.7	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.31
245	V2	6	8.00	30.271	32.5	0.0	9.4	14.1	0.0	2.3	0.1	74.2	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
246	V2	6	7.90	30.271	32.5	0.0	9.3	14.1	0.0	2.2	0.1	73.7	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
247	V2	6	7.80	30.271	32.5	0.0	9.3	14.1	0.0	2.2	0.1	73.2	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
248	V2	6	7.70	30.271	32.5	0.0	9.2	14.0	0.0	2.2	0.1	72.8	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
249	V2	6	7.60	30.271	32.5	0.0	9.1	14.0	0.0	2.2	0.1	72.3	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
250	V2	6	7.50	30.271	32.5	0.0	9.0	14.0	0.0	2.2	0.1	71.8	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
251	V2	6	7.40	30.271	32.5	0.0	9.0	14.0	0.0	2.2	0.1	71.3	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
252	V2	6	7.30	30.271	32.5	0.0	8.9	14.0	0.0	2.1	0.1	70.9	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
253	V2	6	7.20	30.271	32.5	0.0	8.8	14.0	0.0	2.1	0.1	70.4	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
254	V2	6	7.10	30.271	32.5	0.0	8.8	14.0	0.0	2.1	0.1	69.9	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
255	V2	6	7.00	30.271	32.5	0.0	8.7	14.0	0.0	2.1	0.1	69.4	0.2	2.134092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30

256	V2	6	6.90	30.271	32.5	0.0	8.6	14.0	0.0	2.1	0.1	69.0	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
257	V2	6	6.80	30.271	32.5	0.0	8.5	14.0	0.0	2.0	0.1	68.5	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
258	V2	6	6.70	30.271	32.5	0.0	8.4	14.0	0.0	2.0	0.1	68.0	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
259	V2	6	6.60	30.271	32.5	0.0	8.4	14.0	0.0	2.0	0.1	67.5	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
260	V2	6	6.50	30.271	32.5	0.0	8.3	14.0	0.0	2.0	0.1	67.1	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
261	V2	6	6.40	30.271	32.5	0.0	8.2	14.0	0.0	2.0	0.1	66.6	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
262	V2	6	6.30	30.271	32.5	0.0	8.1	13.9	0.0	2.0	0.1	66.1	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
263	V2	6	6.20	30.271	32.5	0.0	8.0	13.9	0.0	1.9	0.1	65.6	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30

WASTELOAD # 264 (NPDES Group2) ENTERS HERE

264	V2	6	6.10	30.282	32.5	0.0	7.9	13.9	0.0	1.9	0.1	65.2	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
265	V2	6	6.00	30.282	32.5	0.0	7.8	13.9	0.0	1.9	0.1	64.7	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
266	V2	6	5.90	30.282	32.5	0.0	7.8	13.9	0.0	1.9	0.1	64.2	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
267	V2	6	5.80	30.282	32.5	0.0	7.7	13.9	0.0	1.9	0.1	63.8	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
268	V2	6	5.70	30.282	32.5	0.0	7.6	13.9	0.0	1.9	0.1	63.3	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
269	V2	6	5.60	30.282	32.5	0.0	7.5	13.9	0.0	1.9	0.1	62.8	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
270	V2	6	5.50	30.282	32.5	0.0	7.4	13.9	0.0	1.8	0.1	62.3	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
271	V2	6	5.40	30.282	32.5	0.0	7.3	13.9	0.0	1.8	0.1	61.9	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
272	V2	6	5.30	30.282	32.5	0.0	7.2	13.9	0.0	1.8	0.1	61.4	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.54	3.30
273	V2	6	5.20	30.282	32.5	0.0	7.1	13.9	0.0	1.8	0.1	60.9	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
274	V2	6	5.10	30.282	32.5	0.0	7.1	13.9	0.0	1.8	0.1	60.4	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
275	V2	6	5.00	30.282	32.5	0.0	7.0	13.9	0.0	1.8	0.1	60.0	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
276	V2	6	4.90	30.282	32.5	0.0	6.9	13.9	0.0	1.7	0.1	59.5	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
277	V2	6	4.80	30.282	32.5	0.0	6.8	13.9	0.0	1.7	0.1	59.0	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
278	V2	6	4.70	30.282	32.5	0.0	6.7	13.9	0.0	1.7	0.1	58.5	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
279	V2	6	4.60	30.282	32.5	0.0	6.6	13.9	0.0	1.7	0.1	58.1	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
280	V2	6	4.50	30.282	32.5	0.0	6.5	13.9	0.0	1.7	0.1	57.6	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.53	3.30
281	V2	6	4.40	30.282	32.5	0.0	6.4	13.9	0.0	1.7	0.1	57.1	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
282	V2	6	4.30	30.282	32.5	0.0	6.3	13.9	0.0	1.7	0.1	56.6	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
283	V2	6	4.20	30.282	32.5	0.0	6.3	13.9	0.0	1.6	0.1	56.2	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
284	V2	6	4.10	30.282	32.5	0.0	6.2	13.9	0.0	1.6	0.1	55.7	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
285	V2	6	4.00	30.282	32.5	0.0	6.1	13.9	0.0	1.6	0.1	55.2	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
286	V2	6	3.90	30.282	32.5	0.0	6.0	13.9	0.0	1.6	0.1	54.7	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.52	3.30
287	V2	6	3.80	30.282	32.5	0.0	5.9	13.9	0.0	1.6	0.1	54.3	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
288	V2	6	3.70	30.282	32.5	0.0	5.8	13.9	0.0	1.6	0.1	53.8	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
289	V2	6	3.60	30.282	32.5	0.0	5.7	13.9	0.0	1.6	0.1	53.3	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
290	V2	6	3.50	30.282	32.5	0.0	5.6	13.9	0.0	1.6	0.1	52.8	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
291	V2	6	3.40	30.282	32.5	0.0	5.5	13.9	0.0	1.5	0.1	52.4	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
292	V2	6	3.30	30.282	32.5	0.0	5.4	13.9	0.0	1.5	0.1	51.9	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.51	3.30
293	V2	6	3.20	30.282	32.5	0.0	5.3	13.9	0.0	1.5	0.1	51.4	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.50	3.30
294	V2	6	3.10	30.282	32.5	0.0	5.3	13.9	0.0	1.5	0.1	50.9	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.50	3.30
295	V2	6	3.00	30.282	32.5	0.0	5.2	13.9	0.0	1.5	0.1	50.5	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.50	3.30
296	V2	6	2.90	30.282	32.5	0.0	5.1	13.9	0.0	1.5	0.1	50.0	0.2	2.134	092.0	0.003	0.003	7.2	0.442	0.28	0.00	0.00	0.00	0.50	3.30
297	V1	7	2.80	30.282	32.4	0.0	5.1	13.8	0.0	1.5	0.1	48.3	0.1	1.95	767.0	0.020	0.020	7.3	0.482	0.35	0.00	0.00	0.00	0.50	1.53
298	V1	7	2.70	30.282	32.4	0.0	5.1	13.6	0.0	1.5	0.1	46.7	0.1	1.95	767.0	0.020	0.020	7.3	0.482	0.35	0.00	0.00	0.00	0.49	1.53
299	V1	7	2.60	30.282	32.3	0.0	5.0	13.5	0.0	1.5	0.1	45.0	0.1	1.95	767.0	0.020	0.020	7.3	0.481	0.35	0.00	0.00	0.00	0.49	1.52
300	V1	7	2.50	30.282	32.3	0.0	5.0	13.4	0.0	1.5	0.1	43.4	0.1	1.95	767.0	0.020	0.020	7.3	0.481	0.35	0.00	0.00	0.00	0.49	1.52

301	V1	7	2.40	30.282	32.2	0.0	4.9	13.2	0.0	1.5	0.1	41.7	0.1	1.95	767.0	0.020	0.020	7.3	0.480	0.35	0.00	0.00	0.00	0.48	1.51
302	V1	7	2.30	30.282	32.1	0.0	4.9	13.1	0.0	1.5	0.1	40.1	0.1	1.95	767.0	0.020	0.020	7.3	0.480	0.35	0.00	0.00	0.00	0.48	1.50
303	V1	7	2.20	30.282	32.1	0.0	4.8	13.0	0.0	1.5	0.1	38.4	0.1	1.95	767.0	0.020	0.020	7.3	0.479	0.35	0.00	0.00	0.00	0.48	1.50
304	V1	7	2.10	30.282	32.0	0.0	4.8	12.8	0.0	1.5	0.1	36.8	0.1	1.95	767.0	0.020	0.020	7.3	0.479	0.35	0.00	0.00	0.00	0.47	1.49
305	V1	7	2.00	30.282	32.0	0.0	4.7	12.7	0.0	1.5	0.1	35.1	0.1	1.95	767.0	0.020	0.020	7.3	0.479	0.35	0.00	0.00	0.00	0.47	1.49
306	V1	7	1.90	30.282	31.9	0.0	4.7	12.6	0.0	1.5	0.1	33.4	0.1	1.95	767.0	0.020	0.020	7.3	0.478	0.35	0.00	0.00	0.00	0.46	1.48
307	V1	7	1.80	30.282	31.9	0.0	4.6	12.5	0.0	1.5	0.1	31.8	0.1	1.95	767.0	0.020	0.020	7.3	0.478	0.34	0.00	0.00	0.00	0.46	1.48
308	V1	7	1.70	30.282	31.8	0.0	4.5	12.4	0.0	1.5	0.1	30.1	0.1	1.95	767.0	0.020	0.020	7.3	0.477	0.34	0.00	0.00	0.00	0.46	1.47
309	V1	7	1.60	30.282	31.7	0.0	4.4	12.3	0.0	1.5	0.1	28.5	0.1	1.95	767.0	0.020	0.020	7.3	0.477	0.34	0.00	0.00	0.00	0.45	1.47
310	V1	7	1.50	30.282	31.7	0.0	4.4	12.2	0.0	1.5	0.1	26.8	0.1	1.95	767.0	0.020	0.020	7.3	0.476	0.34	0.00	0.00	0.00	0.45	1.46
311	V1	7	1.40	30.282	31.6	0.0	4.3	12.1	0.0	1.5	0.1	25.2	0.1	1.95	767.0	0.020	0.020	7.4	0.476	0.34	0.00	0.00	0.00	0.44	1.46
312	V1	7	1.30	30.282	31.6	0.0	4.2	12.0	0.0	1.5	0.1	23.5	0.1	1.95	767.0	0.020	0.020	7.4	0.475	0.34	0.00	0.00	0.00	0.44	1.45
313	V1	7	1.20	30.282	31.5	0.0	4.1	11.9	0.0	1.4	0.1	21.9	0.1	1.95	767.0	0.020	0.020	7.4	0.475	0.34	0.00	0.00	0.00	0.44	1.44
314	V1	7	1.10	30.282	31.4	0.0	4.0	11.8	0.0	1.4	0.1	20.2	0.1	1.95	767.0	0.020	0.020	7.4	0.474	0.34	0.00	0.00	0.00	0.43	1.44
315	V1	7	1.00	30.282	31.4	0.0	3.9	11.7	0.0	1.4	0.1	18.6	0.1	1.95	767.0	0.020	0.020	7.4	0.474	0.34	0.00	0.00	0.00	0.43	1.43
316	V1	7	0.90	30.282	31.3	0.0	3.8	11.6	0.0	1.4	0.1	16.9	0.1	1.95	767.0	0.020	0.020	7.4	0.473	0.34	0.00	0.00	0.00	0.42	1.43
317	V1	7	0.80	30.282	31.3	0.0	3.7	11.5	0.0	1.4	0.1	15.2	0.1	1.95	767.0	0.020	0.020	7.4	0.473	0.34	0.00	0.00	0.00	0.42	1.42
318	V1	7	0.70	30.282	31.2	0.0	3.6	11.4	0.0	1.4	0.1	13.6	0.1	1.95	767.0	0.020	0.020	7.4	0.472	0.33	0.00	0.00	0.00	0.41	1.42
WASTELOAD # 319 (NPDES Group3) ENTERS HERE																									
319	V1	7	0.60	30.282	31.2	0.0	3.5	11.3	0.0	1.4	0.1	11.9	0.1	1.95	767.0	0.020	0.020	7.4	0.472	0.33	0.00	0.00	0.00	0.40	1.41
320	V1	7	0.50	30.282	31.1	0.0	3.4	11.2	0.0	1.4	0.1	10.3	0.1	1.95	767.0	0.020	0.020	7.4	0.471	0.33	0.00	0.00	0.00	0.40	1.41
321	V1	7	0.40	30.282	31.0	0.0	3.3	11.2	0.0	1.4	0.1	8.6	0.1	1.95	767.0	0.020	0.020	7.4	0.471	0.33	0.00	0.00	0.00	0.39	1.40
322	V1	7	0.30	30.282	31.0	0.0	3.2	11.1	0.0	1.4	0.1	7.0	0.1	1.95	767.0	0.020	0.020	7.4	0.470	0.33	0.00	0.00	0.00	0.39	1.40
323	V1	7	0.20	30.282	30.9	0.0	3.1	11.0	0.0	1.4	0.1	5.3	0.1	1.95	767.0	0.020	0.020	7.4	0.470	0.33	0.00	0.00	0.00	0.38	1.39
324	V1	7	0.10	30.282	30.9	0.0	3.0	10.9	0.0	1.4	0.1	3.7	0.1	1.95	767.0	0.020	0.020	7.4	0.470	0.33	0.00	0.00	0.00	0.37	1.39
325	V1	7	0.00	30.282	30.8	0.0	3.0	10.1	0.0	1.3	0.1	2.0	0.1	1.95	767.0	0.020	0.020	7.5	0.469	0.33	0.00	0.00	0.00	0.37	1.38

EXPANDED CAPSULE SUMMARY FOR Fourmile Bayou Oxbow

																ADVEC	MEAN	DO	REAER	BOD1	BOD1	BOD2	BOD2	NH3				
IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	VELO	VELO	SAT	RATE	DECA	SETT	DECA	SETT	DECA	SOD			
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d			
56	OB	3	4.10	2.933	33.9	0.0	6.3	25.6	0.0	1.8	0.1	93.5	0.4	2.50	87.0	0.013	0.013	7.1	0.360	0.40	0.00	0.00	0.00	0.58	7.19			
57	OB	3	4.00	2.933	33.9	0.0	6.0	25.7	0.0	1.9	0.1	91.9	0.4	2.50	87.0	0.013	0.013	7.1	0.359	0.40	0.00	0.00	0.00	0.57	7.18			
58	OB	3	3.90	2.933	33.8	0.0	5.6	25.7	0.0	1.9	0.1	90.4	0.4	2.50	87.0	0.013	0.013	7.1	0.359	0.40	0.00	0.00	0.00	0.57	7.17			
59	OB	3	3.80	2.933	33.8	0.0	5.2	25.8	0.0	2.0	0.1	88.8	0.4	2.50	87.0	0.013	0.013	7.1	0.359	0.40	0.00	0.00	0.00	0.56	7.16			
60	OB	3	3.70	2.933	33.8	0.0	4.9	25.8	0.0	2.1	0.1	87.3	0.4	2.50	87.0	0.013	0.013	7.1	0.359	0.40	0.00	0.00	0.00	0.55	7.15			
61	OB	3	3.60	2.933	33.8	0.0	4.5	25.9	0.0	2.1	0.1	85.7	0.4	2.50	87.0	0.013	0.013	7.1	0.359	0.40	0.00	0.00	0.00	0.53	7.13			
62	OB	3	3.50	2.933	33.7	0.0	4.1	26.0	0.0	2.2	0.1	84.2	0.4	2.50	87.0	0.013	0.013	7.1	0.359	0.39	0.00	0.00	0.00	0.52	7.12			
63	OB	3	3.40	2.933	33.7	0.0	3.8	26.0	0.0	2.3	0.1	82.6	0.4	2.50	87.0	0.013	0.013	7.1	0.359	0.39	0.00	0.00	0.00	0.51	7.11			
64	OB	3	3.30	2.933	33.7	0.0	3.4	26.1	0.0	2.4	0.1	81.1	0.4	2.50	87.0	0.013	0.013	7.1	0.358	0.39	0.00	0.00	0.00	0.49	7.10			
65	OB	3	3.20	2.933	33.7	0.0	3.0	26.1	0.0	2.4	0.1	79.5	0.4	2.50	87.0	0.013	0.013	7.1	0.358	0.39	0.00	0.00	0.00	0.47	7.09			
66	OB	3	3.10	2.933	33.6	0.0	2.6	26.2	0.0	2.5	0.1	78.0	0.4	2.50	87.0	0.013	0.013	7.1	0.358	0.39	0.00	0.00	0.00	0.45	7.08			
67	OB	3	3.00	2.933	33.6	0.0	2.3	26.3	0.0	2.6	0.1	76.4	0.4	2.50	87.0	0.013	0.013	7.1	0.358	0.39	0.00	0.00	0.00	0.42	7.07			
68	OB	3	2.90	2.933	33.6	0.0	1.9	26.4	0.0	2.6	0.1	74.9	0.4	2.50	87.0	0.013	0.013	7.1	0.358	0.38	0.00	0.00	0.00	0.37	6.83			
69	OB	3	2.80	2.933	33.6	0.0	1.7	26.6	0.0	2.7	0.1	73.3	0.4	2.50	87.0	0.013	0.013	7.1	0.358	0.34	0.00	0.00	0.00	0.23	6.06			
70	OB	3	2.70	2.933	33.5	0.0	1.6	26.8	0.0	2.8	0.1	71.8	0.4	2.50	87.0	0.013	0.013	7.1	0.358	0.31	0.00	0.00	0.00	0.17	5.53			
71	OB	3	2.60	2.933	33.5	0.0	1.5	27.1	0.0	2.8	0.1	70.2	0.4	2.50	87.0	0.013	0.013	7.1	0.357	0.29	0.00	0.00	0.00	0.13	5.15			
72	OB	3	2.50	2.933	33.5	0.0	1.4	27.4	0.0	2.9	0.1	68.7	0.4	2.50	87.0	0.013	0.013	7.1	0.357	0.27	0.00	0.00	0.00	0.10	4.87			
73	OB	3	2.40	2.933	33.5	0.0	1.3	27.7	0.0	3.0	0.1	67.1	0.4	2.50	87.0	0.013	0.013	7.1	0.357	0.26	0.00	0.00	0.00	0.09	4.64			
74	OB	3	2.30	2.933	33.4	0.0	1.3	28.1	0.0	3.0	0.1	65.6	0.4	2.50	87.0	0.013	0.013	7.1	0.357	0.25	0.00	0.00	0.00	0.07	4.46			
75	OB	3	2.20	2.933	33.4	0.0	1.2	28.4	0.0	3.1	0.1	64.0	0.4	2.50	87.0	0.013	0.013	7.1	0.357	0.24	0.00	0.00	0.00	0.06	4.30			

76	OB	3	2.10	2.933	33.4	0.0	1.2	28.8	0.0	3.2	0.2	62.5	0.4	2.50	87.0	0.013	0.013	7.1	0.357	0.23	0.00	0.00	0.00	0.06	4.16
77	OB	3	2.00	2.933	33.4	0.0	1.2	29.2	0.0	3.2	0.2	61.0	0.4	2.50	87.0	0.013	0.013	7.1	0.357	0.22	0.00	0.00	0.00	0.05	4.03
78	OB	3	1.90	2.933	33.4	0.0	1.1	29.6	0.0	3.3	0.2	59.4	0.4	2.50	87.0	0.013	0.013	7.1	0.357	0.22	0.00	0.00	0.00	0.05	3.90
79	OB	3	1.80	2.933	33.3	0.0	1.1	30.0	0.0	3.4	0.2	57.9	0.4	2.50	87.0	0.013	0.013	7.1	0.356	0.21	0.00	0.00	0.00	0.04	3.79
80	OB	3	1.70	2.933	33.3	0.0	1.1	30.4	0.0	3.5	0.2	56.3	0.4	2.50	87.0	0.013	0.013	7.1	0.356	0.20	0.00	0.00	0.00	0.04	3.67
81	OB	3	1.60	2.933	33.3	0.0	1.0	30.8	0.0	3.5	0.2	54.8	0.4	2.50	87.0	0.013	0.013	7.1	0.356	0.20	0.00	0.00	0.00	0.03	3.56
82	OB	3	1.50	2.933	33.3	0.0	1.0	31.2	0.0	3.6	0.2	53.2	0.4	2.50	87.0	0.013	0.013	7.2	0.356	0.19	0.00	0.00	0.00	0.03	3.45
83	OB	3	1.40	2.933	33.2	0.0	1.0	31.6	0.0	3.7	0.2	51.7	0.4	2.50	87.0	0.013	0.013	7.2	0.356	0.19	0.00	0.00	0.00	0.03	3.35
84	OB	3	1.30	2.933	33.2	0.0	0.9	32.1	0.0	3.7	0.2	50.1	0.4	2.50	87.0	0.013	0.013	7.2	0.356	0.18	0.00	0.00	0.00	0.02	3.25
85	OB	3	1.20	2.933	33.2	0.0	0.9	32.5	0.0	3.8	0.2	48.6	0.4	2.50	87.0	0.013	0.013	7.2	0.356	0.18	0.00	0.00	0.00	0.02	3.14
86	OB	3	1.10	2.933	33.2	0.0	0.9	33.0	0.0	3.9	0.2	47.0	0.4	2.50	87.0	0.013	0.013	7.2	0.355	0.17	0.00	0.00	0.00	0.02	3.05
87	OB	3	1.00	2.933	33.1	0.0	0.9	33.5	0.0	3.9	0.2	45.5	0.4	2.50	87.0	0.013	0.013	7.2	0.355	0.16	0.00	0.00	0.00	0.02	2.95
88	OB	3	0.90	2.933	33.1	0.0	0.8	33.9	0.0	4.0	0.2	43.9	0.4	2.50	87.0	0.013	0.013	7.2	0.355	0.16	0.00	0.00	0.00	0.01	2.85
89	OB	3	0.80	2.933	33.1	0.0	0.8	34.4	0.0	4.1	0.3	42.4	0.4	2.50	87.0	0.013	0.013	7.2	0.355	0.15	0.00	0.00	0.00	0.01	2.76
90	OB	3	0.70	2.933	33.1	0.0	0.8	34.9	0.0	4.1	0.3	40.8	0.4	2.50	87.0	0.013	0.013	7.2	0.355	0.15	0.00	0.00	0.00	0.01	2.66
91	OB	3	0.60	2.933	33.0	0.0	0.8	35.4	0.0	4.2	0.3	39.3	0.4	2.50	87.0	0.013	0.013	7.2	0.355	0.14	0.00	0.00	0.00	0.01	2.57
92	OB	3	0.50	2.933	33.0	0.0	0.7	35.9	0.0	4.2	0.3	37.7	0.4	2.50	87.0	0.013	0.013	7.2	0.355	0.14	0.00	0.00	0.00	0.01	2.48
93	OB	3	0.40	2.933	33.0	0.0	0.7	36.5	0.0	4.3	0.3	36.2	0.4	2.50	87.0	0.013	0.013	7.2	0.354	0.13	0.00	0.00	0.00	0.01	2.40
94	OB	3	0.30	2.933	33.0	0.0	0.7	36.9	0.0	4.4	0.3	34.6	0.4	2.50	87.0	0.013	0.013	7.2	0.354	0.13	0.00	0.00	0.00	0.01	2.32
95	OB	3	0.20	2.933	32.9	0.0	0.7	37.3	0.0	4.4	0.3	33.1	0.4	2.50	87.0	0.013	0.013	7.2	0.354	0.13	0.00	0.00	0.00	0.01	2.25
96	OB	3	0.10	2.933	32.9	0.0	0.7	37.1	0.0	4.4	0.3	31.5	0.4	2.50	87.0	0.013	0.013	7.2	0.354	0.13	0.00	0.00	0.00	0.01	2.31
97	OB	3	0.00	2.933	32.9	0.0	0.9	34.6	0.0	4.0	0.3	30.0	0.4	2.50	87.0	0.013	0.013	7.2	0.354	0.18	0.00	0.00	0.00	0.02	3.17

SPECIAL REPORT: Grassy Lake

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 #/100mL	CHL A *	MACRO	COLI	NCM
1	28.200	33.12	0.0	0.0	0.0	6.70	23.53	0.00	23.53	0.00	1.62	0.10	0.01	1.72	0.00	99.9	0.0	0.	0.00		
2	28.100	33.15	0.0	0.0	0.0	6.70	23.55	0.00	23.55	0.00	1.63	0.10	0.00	1.73	0.00	99.7	0.0	0.	0.00		
3	28.000	33.17	0.0	0.0	0.0	6.70	23.56	0.00	23.56	0.00	1.64	0.10	0.00	1.74	0.00	99.6	0.0	0.	0.00		
4	27.900	33.19	0.0	0.0	0.0	6.69	23.58	0.00	23.58	0.00	1.66	0.10	0.00	1.75	0.00	99.4	0.0	0.	0.00		
5	27.800	33.21	0.0	0.0	0.0	6.69	23.60	0.00	23.60	0.00	1.67	0.10	0.00	1.76	0.00	99.3	0.0	0.	0.00		
6	27.700	33.24	0.0	0.0	0.0	6.68	23.61	0.00	23.61	0.00	1.68	0.09	0.00	1.78	0.00	99.1	0.0	0.	0.00		
7	27.600	33.26	0.0	0.0	0.0	6.67	23.63	0.00	23.63	0.00	1.70	0.09	0.00	1.79	0.00	99.0	0.0	0.	0.00		
8	27.500	33.28	0.0	0.0	0.0	6.66	23.64	0.00	23.64	0.00	1.71	0.09	0.00	1.80	0.00	98.9	0.0	0.	0.00		
9	27.400	33.31	0.0	0.0	0.0	6.65	23.65	0.00	23.65	0.00	1.72	0.09	0.00	1.81	0.00	98.7	0.0	0.	0.00		
10	27.300	33.33	0.0	0.0	0.0	6.65	23.66	0.00	23.66	0.00	1.73	0.09	0.00	1.83	0.00	98.6	0.0	0.	0.00		
11	27.200	33.35	0.0	0.0	0.0	6.63	23.67	0.00	23.67	0.00	1.75	0.09	0.00	1.84	0.00	98.4	0.0	0.	0.00		
12	27.100	33.37	0.0	0.0	0.0	6.62	23.68	0.00	23.68	0.00	1.76	0.09	0.00	1.85	0.00	98.3	0.0	0.	0.00		
13	27.000	33.40	0.0	0.0	0.0	6.61	23.69	0.00	23.69	0.00	1.77	0.09	0.00	1.86	0.00	98.1	0.0	0.	0.00		
14	26.900	33.42	0.0	0.0	0.0	6.60	23.70	0.00	23.70	0.00	1.78	0.09	0.00	1.88	0.00	98.0	0.0	0.	0.00		
15	26.800	33.44	0.0	0.0	0.0	6.59	23.71	0.00	23.71	0.00	1.80	0.09	0.00	1.89	0.00	97.9	0.0	0.	0.00		
16	26.700	33.47	0.0	0.0	0.0	6.57	23.71	0.00	23.71	0.00	1.81	0.09	0.00	1.90	0.00	97.7	0.0	0.	0.00		
17	26.600	33.49	0.0	0.0	0.0	6.56	23.72	0.00	23.72	0.00	1.82	0.09	0.00	1.91	0.00	97.6	0.0	0.	0.00		
18	26.500	33.51	0.0	0.0	0.0	6.55	23.72	0.00	23.72	0.00	1.84	0.09	0.00	1.93	0.00	97.4	0.0	0.	0.00		
19	26.400	33.53	0.0	0.0	0.0	6.53	23.73	0.00	23.73	0.00	1.85	0.09	0.00	1.94	0.00	97.3	0.0	0.	0.00		
20	26.300	33.56	0.0	0.0	0.0	6.52	23.73	0.00	23.73	0.00	1.86	0.09	0.00	1.95	0.00	97.1	0.0	0.	0.00		
21	26.200	33.58	0.0	0.0	0.0	6.50	23.73	0.00	23.73	0.00	1.87	0.09	0.00	1.96	0.00	97.0	0.0	0.	0.00		
22	26.100	33.60	0.0	0.0	0.0	6.49	23.73	0.00	23.73	0.00	1.89	0.09	0.00	1.97	0.00	96.9	0.0	0.	0.00		
23	26.000	33.63	0.0	0.0	0.0	6.47	23.73	0.00	23.73	0.00	1.90	0.09	0.00	1.99	0.00	96.7	0.0	0.	0.00		
24	25.900	33.65	0.0	0.0	0.0	6.46	23.73	0.00	23.73	0.00	1.91	0.09	0.00	2.00	0.00	96.6	0.0	0.	0.00		

25	25.800	33.67	0.0	0.0	0.0	6.44	23.73	0.00	23.73	0.00	1.92	0.09	0.00	2.01	0.00	96.4	0.0	0.	0.00
26	25.700	33.69	0.0	0.0	0.0	6.42	23.73	0.00	23.73	0.00	1.94	0.09	0.00	2.03	0.00	96.3	0.0	0.	0.00
27	25.600	33.72	0.0	0.0	0.0	6.41	23.73	0.00	23.73	0.00	1.95	0.09	0.00	2.04	0.00	96.1	0.0	0.	0.00
28	25.500	33.74	0.0	0.0	0.0	6.39	23.73	0.00	23.73	0.00	1.97	0.09	0.00	2.05	0.00	96.0	0.0	0.	0.00
29	25.400	33.76	0.0	0.0	0.0	6.37	23.73	0.00	23.73	0.00	1.98	0.09	0.00	2.07	0.00	95.9	0.0	0.	0.00
30	25.300	33.79	0.0	0.0	0.0	6.35	23.72	0.00	23.72	0.00	1.99	0.09	0.00	2.08	0.00	95.7	0.0	0.	0.00
31	25.200	33.81	0.0	0.0	0.0	6.33	23.72	0.00	23.72	0.00	2.01	0.09	0.00	2.10	0.00	95.6	0.0	0.	0.00
32	25.100	33.83	0.0	0.0	0.0	6.32	23.71	0.00	23.71	0.00	2.02	0.09	0.00	2.11	0.00	95.4	0.0	0.	0.00
33	25.000	33.85	0.0	0.0	0.0	6.30	23.71	0.00	23.71	0.00	2.04	0.09	0.00	2.13	0.00	95.3	0.0	0.	0.00
34	24.900	33.88	0.0	0.0	0.0	6.28	23.70	0.00	23.70	0.00	2.05	0.09	0.00	2.14	0.00	95.1	0.0	0.	0.00
35	24.800	33.90	0.0	0.0	0.0	6.25	23.71	0.00	23.71	0.00	2.07	0.09	0.00	2.15	0.00	95.0	0.0	0.	0.00
36	24.700	33.85	0.0	0.0	0.0	6.18	23.75	0.00	23.75	0.00	2.09	0.09	0.00	2.18	0.00	91.8	0.0	0.	0.00
37	24.600	33.80	0.0	0.0	0.0	6.08	23.80	0.00	23.80	0.00	2.11	0.09	0.00	2.20	0.00	88.5	0.0	0.	0.00
38	24.500	33.75	0.0	0.0	0.0	5.97	23.85	0.00	23.85	0.00	2.14	0.09	0.00	2.23	0.00	85.2	0.0	0.	0.00
39	24.400	33.70	0.0	0.0	0.0	5.86	23.90	0.00	23.90	0.00	2.16	0.09	0.00	2.25	0.00	82.0	0.0	0.	0.00
40	24.300	33.65	0.0	0.0	0.0	5.73	23.94	0.00	23.94	0.00	2.19	0.09	0.00	2.28	0.00	78.8	0.0	0.	0.00
41	24.200	33.60	0.0	0.0	0.0	5.59	23.99	0.00	23.99	0.00	2.21	0.09	0.00	2.30	0.00	75.5	0.0	0.	0.00
42	24.100	33.55	0.0	0.0	0.0	5.44	24.04	0.00	24.04	0.00	2.24	0.09	0.00	2.33	0.00	72.2	0.0	0.	0.00
43	24.000	33.50	0.0	0.0	0.0	5.28	24.09	0.00	24.09	0.00	2.26	0.09	0.00	2.35	0.00	69.0	0.0	0.	0.00
44	23.900	33.45	0.0	0.0	0.0	5.11	24.14	0.00	24.14	0.00	2.28	0.09	0.00	2.38	0.00	65.8	0.0	0.	0.00
45	23.800	33.40	0.0	0.0	0.0	4.93	24.19	0.00	24.19	0.00	2.31	0.09	0.00	2.40	0.00	62.5	0.0	0.	0.00
46	23.700	33.35	0.0	0.0	0.0	4.74	24.24	0.00	24.24	0.00	2.33	0.09	0.00	2.43	0.00	59.2	0.0	0.	0.00
47	23.600	33.30	0.0	0.0	0.0	4.54	24.29	0.00	24.29	0.00	2.36	0.09	0.00	2.45	0.00	56.0	0.0	0.	0.00
48	23.500	33.25	0.0	0.0	0.0	4.33	24.33	0.00	24.33	0.00	2.38	0.09	0.00	2.48	0.00	52.8	0.0	0.	0.00
49	23.400	33.20	0.0	0.0	0.0	4.11	24.38	0.00	24.38	0.00	2.41	0.09	0.00	2.50	0.00	49.5	0.0	0.	0.00
50	23.300	33.15	0.0	0.0	0.0	3.87	24.43	0.00	24.43	0.00	2.43	0.10	0.00	2.53	0.00	46.2	0.0	0.	0.00
51	23.200	33.10	0.0	0.0	0.0	3.63	24.48	0.00	24.48	0.00	2.46	0.10	0.00	2.55	0.00	43.0	0.0	0.	0.00
52	23.100	33.05	0.0	0.0	0.0	3.39	24.53	0.00	24.53	0.00	2.48	0.10	0.00	2.58	0.00	39.8	0.0	0.	0.00
53	23.000	33.00	0.0	0.0	0.0	3.13	24.58	0.00	24.58	0.00	2.50	0.10	0.00	2.60	0.00	36.5	0.0	0.	0.00
54	22.900	32.95	0.0	0.0	0.0	2.86	24.65	0.00	24.65	0.00	2.53	0.10	0.00	2.63	0.00	33.2	0.0	0.	0.00
55	22.800	32.90	0.0	0.0	0.0	2.58	24.83	0.00	24.83	0.00	2.57	0.10	0.00	2.68	0.00	30.0	0.0	0.	0.00
98	22.700	32.90	0.0	0.0	0.0	2.11	26.65	0.00	26.65	0.00	2.86	0.13	0.00	3.00	0.00	32.1	0.0	0.	0.00
99	22.600	32.89	0.0	0.0	0.0	1.95	26.65	0.00	26.65	0.00	2.89	0.13	0.00	3.02	0.00	34.1	0.0	0.	0.00
100	22.500	32.89	0.0	0.0	0.0	1.81	26.67	0.00	26.67	0.00	2.91	0.13	0.00	3.05	0.00	36.2	0.0	0.	0.00
101	22.400	32.89	0.0	0.0	0.0	1.69	26.70	0.00	26.70	0.00	2.94	0.13	0.00	3.07	0.00	38.2	0.0	0.	0.00
102	22.300	32.89	0.0	0.0	0.0	1.59	26.74	0.00	26.74	0.00	2.96	0.14	0.00	3.10	0.00	40.3	0.0	0.	0.00
103	22.200	32.88	0.0	0.0	0.0	1.51	26.79	0.00	26.79	0.00	2.98	0.14	0.00	3.12	0.00	42.4	0.0	0.	0.00
104	22.100	32.88	0.0	0.0	0.0	1.44	26.85	0.00	26.85	0.00	3.01	0.14	0.00	3.14	0.00	44.4	0.0	0.	0.00
105	22.000	32.88	0.0	0.0	0.0	1.38	26.92	0.00	26.92	0.00	3.03	0.14	0.00	3.17	0.00	46.5	0.0	0.	0.00
106	21.900	32.87	0.0	0.0	0.0	1.33	26.99	0.00	26.99	0.00	3.05	0.14	0.00	3.19	0.00	48.5	0.0	0.	0.00
107	21.800	32.87	0.0	0.0	0.0	1.29	27.06	0.00	27.06	0.00	3.08	0.14	0.00	3.22	0.00	50.6	0.0	0.	0.00
108	21.700	32.87	0.0	0.0	0.0	1.25	27.14	0.00	27.14	0.00	3.10	0.14	0.00	3.24	0.00	52.6	0.0	0.	0.00
109	21.600	32.86	0.0	0.0	0.0	1.23	27.22	0.00	27.22	0.00	3.12	0.15	0.00	3.27	0.00	54.7	0.0	0.	0.00
110	21.500	32.86	0.0	0.0	0.0	1.21	27.30	0.00	27.30	0.00	3.15	0.15	0.00	3.29	0.00	56.8	0.0	0.	0.00
111	21.400	32.86	0.0	0.0	0.0	1.20	27.39	0.00	27.39	0.00	3.17	0.15	0.00	3.32	0.00	58.8	0.0	0.	0.00
112	21.300	32.86	0.0	0.0	0.0	1.19	27.47	0.00	27.47	0.00	3.19	0.15	0.00	3.35	0.00	60.9	0.0	0.	0.00
113	21.200	32.85	0.0	0.0	0.0	1.18	27.56	0.00	27.56	0.00	3.22	0.15	0.00	3.37	0.00	62.9	0.0	0.	0.00
114	21.100	32.85	0.0	0.0	0.0	1.18	27.64	0.00	27.64	0.00	3.24	0.15	0.00	3.40	0.00	65.0	0.0	0.	0.00
115	21.000	32.85	0.0	0.0	0.0	1.18	27.72	0.00	27.72	0.00	3.26	0.16	0.00	3.42	0.00	67.1	0.0	0.	0.00
116	20.900	32.84	0.0	0.0	0.0	1.19	27.80	0.00	27.80	0.00	3.29	0.16	0.00	3.45	0.00	69.1	0.0	0.	0.00

117	20.800	32.84	0.0	0.0	0.0	1.20	27.88	0.00	27.88	0.00	3.31	0.16	0.00	3.47	0.00	71.2	0.0	0.	0.00
118	20.700	32.84	0.0	0.0	0.0	1.21	27.96	0.00	27.96	0.00	3.33	0.16	0.00	3.50	0.00	73.2	0.0	0.	0.00
119	20.600	32.84	0.0	0.0	0.0	1.22	28.04	0.00	28.04	0.00	3.36	0.16	0.00	3.52	0.00	75.3	0.0	0.	0.00
120	20.500	32.83	0.0	0.0	0.0	1.23	28.12	0.00	28.12	0.00	3.38	0.16	0.00	3.55	0.00	77.4	0.0	0.	0.00
121	20.400	32.83	0.0	0.0	0.0	1.25	28.19	0.00	28.19	0.00	3.40	0.17	0.00	3.57	0.00	79.4	0.0	0.	0.00
122	20.300	32.83	0.0	0.0	0.0	1.26	28.26	0.00	28.26	0.00	3.43	0.17	0.00	3.60	0.00	81.5	0.0	0.	0.00
123	20.200	32.82	0.0	0.0	0.0	1.28	28.33	0.00	28.33	0.00	3.45	0.17	0.00	3.62	0.00	83.5	0.0	0.	0.00
124	20.100	32.82	0.0	0.0	0.0	1.30	28.39	0.00	28.39	0.00	3.47	0.17	0.00	3.65	0.00	85.6	0.0	0.	0.00
125	20.000	32.82	0.0	0.0	0.0	1.32	28.46	0.00	28.46	0.00	3.50	0.17	0.00	3.67	0.00	87.6	0.0	0.	0.00
126	19.900	32.81	0.0	0.0	0.0	1.34	28.52	0.00	28.52	0.00	3.52	0.17	0.00	3.70	0.00	89.7	0.0	0.	0.00
127	19.800	32.81	0.0	0.0	0.0	1.36	28.58	0.00	28.58	0.00	3.54	0.18	0.00	3.72	0.00	91.8	0.0	0.	0.00
128	19.700	32.81	0.0	0.0	0.0	1.38	28.63	0.00	28.63	0.00	3.57	0.18	0.00	3.74	0.00	93.8	0.0	0.	0.00
129	19.600	32.81	0.0	0.0	0.0	1.41	28.68	0.00	28.68	0.00	3.59	0.18	0.00	3.77	0.00	95.9	0.0	0.	0.00
130	19.500	32.80	0.0	0.0	0.0	1.44	28.72	0.00	28.72	0.00	3.61	0.18	0.00	3.79	0.00	97.9	0.0	0.	0.00
131	19.400	32.80	0.0	0.0	0.0	1.69	28.40	0.00	28.40	0.00	3.59	0.18	0.00	3.77	0.00	100.0	0.0	0.	0.00
132	19.300	32.80	0.0	0.0	0.0	3.60	25.94	0.00	25.94	0.00	3.24	0.16	0.00	3.40	0.00	100.1	0.0	0.	0.00
133	19.200	32.79	0.0	0.0	0.0	3.69	26.90	0.00	26.90	0.00	3.26	0.16	0.00	3.42	0.00	100.2	0.0	0.	0.00
134	19.100	32.79	0.0	0.0	0.0	3.75	27.84	0.00	27.84	0.00	3.27	0.16	0.00	3.43	0.00	100.3	0.0	0.	0.00
135	19.000	32.78	0.0	0.0	0.0	3.78	28.75	0.00	28.75	0.00	3.29	0.16	0.00	3.45	0.00	100.4	0.0	0.	0.00
136	18.900	32.78	0.0	0.0	0.0	3.78	29.64	0.00	29.64	0.00	3.31	0.16	0.00	3.46	0.00	100.5	0.0	0.	0.00
137	18.800	32.78	0.0	0.0	0.0	3.77	30.50	0.00	30.50	0.00	3.32	0.16	0.00	3.48	0.00	100.6	0.0	0.	0.00
138	18.700	32.77	0.0	0.0	0.0	3.73	31.34	0.00	31.34	0.00	3.34	0.16	0.00	3.50	0.00	100.7	0.0	0.	0.00
139	18.600	32.77	0.0	0.0	0.0	3.68	32.16	0.00	32.16	0.00	3.35	0.16	0.00	3.51	0.00	100.8	0.0	0.	0.00
140	18.500	32.76	0.0	0.0	0.0	3.61	32.95	0.00	32.95	0.00	3.37	0.16	0.00	3.53	0.00	100.9	0.0	0.	0.00
141	18.400	32.76	0.0	0.0	0.0	3.52	33.73	0.00	33.73	0.00	3.38	0.17	0.00	3.55	0.00	101.0	0.0	0.	0.00
142	18.300	32.76	0.0	0.0	0.0	3.43	34.48	0.00	34.48	0.00	3.40	0.17	0.00	3.56	0.00	101.1	0.0	0.	0.00
143	18.200	32.75	0.0	0.0	0.0	3.32	35.21	0.00	35.21	0.00	3.41	0.17	0.00	3.58	0.00	101.2	0.0	0.	0.00
144	18.100	32.75	0.0	0.0	0.0	3.20	35.92	0.00	35.92	0.00	3.43	0.17	0.00	3.59	0.00	101.3	0.0	0.	0.00
145	18.000	32.74	0.0	0.0	0.0	3.07	36.62	0.00	36.62	0.00	3.44	0.17	0.00	3.61	0.00	101.4	0.0	0.	0.00
146	17.900	32.74	0.0	0.0	0.0	2.93	37.29	0.00	37.29	0.00	3.45	0.17	0.00	3.63	0.00	101.5	0.0	0.	0.00
147	17.800	32.73	0.0	0.0	0.0	2.79	37.95	0.00	37.95	0.00	3.47	0.17	0.00	3.64	0.00	101.6	0.0	0.	0.00
148	17.700	32.73	0.0	0.0	0.0	2.64	38.59	0.00	38.59	0.00	3.48	0.18	0.00	3.66	0.00	101.7	0.0	0.	0.00
149	17.600	32.73	0.0	0.0	0.0	2.48	39.21	0.00	39.21	0.00	3.50	0.18	0.00	3.68	0.00	101.8	0.0	0.	0.00
150	17.500	32.72	0.0	0.0	0.0	2.32	39.82	0.00	39.82	0.00	3.51	0.18	0.00	3.69	0.00	101.9	0.0	0.	0.00
151	17.400	32.72	0.0	0.0	0.0	2.16	40.41	0.00	40.41	0.00	3.53	0.18	0.00	3.71	0.00	102.0	0.0	0.	0.00
152	17.300	32.71	0.0	0.0	0.0	2.01	40.99	0.00	40.99	0.00	3.54	0.18	0.00	3.73	0.00	102.1	0.0	0.	0.00
153	17.200	32.71	0.0	0.0	0.0	1.91	41.61	0.00	41.61	0.00	3.56	0.19	0.00	3.74	0.00	102.2	0.0	0.	0.00
154	17.100	32.71	0.0	0.0	0.0	1.84	42.25	0.00	42.25	0.00	3.57	0.19	0.00	3.76	0.00	102.3	0.0	0.	0.00
155	17.000	32.70	0.0	0.0	0.0	1.80	42.90	0.00	42.90	0.00	3.59	0.19	0.00	3.78	0.00	102.4	0.0	0.	0.00
156	16.900	32.70	0.0	0.0	0.0	1.76	43.55	0.00	43.55	0.00	3.60	0.20	0.00	3.80	0.00	102.6	0.0	0.	0.00
157	16.800	32.69	0.0	0.0	0.0	1.73	44.20	0.00	44.20	0.00	3.61	0.20	0.00	3.82	0.00	102.7	0.0	0.	0.00
158	16.700	32.69	0.0	0.0	0.0	1.71	44.85	0.00	44.85	0.00	3.63	0.21	0.00	3.84	0.00	102.8	0.0	0.	0.00
159	16.600	32.69	0.0	0.0	0.0	1.69	45.50	0.00	45.50	0.00	3.64	0.21	0.00	3.86	0.00	102.9	0.0	0.	0.00
160	16.500	32.68	0.0	0.0	0.0	1.67	46.14	0.00	46.14	0.00	3.66	0.22	0.00	3.88	0.00	103.0	0.0	0.	0.00
161	16.400	32.68	0.0	0.0	0.0	1.66	46.78	0.00	46.78	0.00	3.67	0.22	0.00	3.90	0.00	103.1	0.0	0.	0.00
162	16.300	32.67	0.0	0.0	0.0	1.64	47.42	0.00	47.42	0.00	3.69	0.23	0.00	3.91	0.00	103.2	0.0	0.	0.00
163	16.200	32.67	0.0	0.0	0.0	1.62	48.05	0.00	48.05	0.00	3.70	0.23	0.00	3.93	0.00	103.3	0.0	0.	0.00
164	16.100	32.67	0.0	0.0	0.0	1.61	48.68	0.00	48.68	0.00	3.71	0.24	0.00	3.95	0.00	103.4	0.0	0.	0.00
165	16.000	32.66	0.0	0.0	0.0	1.59	49.31	0.00	49.31	0.00	3.73	0.24	0.00	3.97	0.00	103.5	0.0	0.	0.00
166	15.900	32.66	0.0	0.0	0.0	1.58	49.94	0.00	49.94	0.00	3.74	0.25	0.00	3.99	0.00	103.6	0.0	0.	0.00

167	15.800	32.65	0.0	0.0	0.0	1.56	50.56	0.00	50.56	0.00	3.76	0.26	0.00	4.01	0.00	103.7	0.0	0.	0.00
168	15.700	32.65	0.0	0.0	0.0	1.55	51.17	0.00	51.17	0.00	3.77	0.26	0.00	4.03	0.00	103.8	0.0	0.	0.00
169	15.600	32.64	0.0	0.0	0.0	1.53	51.79	0.00	51.79	0.00	3.78	0.27	0.00	4.05	0.00	103.9	0.0	0.	0.00
170	15.500	32.64	0.0	0.0	0.0	1.52	52.40	0.00	52.40	0.00	3.80	0.27	0.00	4.07	0.00	104.0	0.0	0.	0.00
171	15.400	32.64	0.0	0.0	0.0	1.51	53.01	0.00	53.01	0.00	3.81	0.28	0.00	4.09	0.00	104.1	0.0	0.	0.00
172	15.300	32.63	0.0	0.0	0.0	1.50	53.61	0.00	53.61	0.00	3.83	0.29	0.00	4.11	0.00	104.2	0.0	0.	0.00
173	15.200	32.63	0.0	0.0	0.0	1.48	54.22	0.00	54.22	0.00	3.84	0.29	0.00	4.13	0.00	104.3	0.0	0.	0.00
174	15.100	32.62	0.0	0.0	0.0	1.47	54.82	0.00	54.82	0.00	3.85	0.30	0.00	4.15	0.00	104.4	0.0	0.	0.00
175	15.000	32.62	0.0	0.0	0.0	1.46	55.41	0.00	55.41	0.00	3.87	0.30	0.00	4.17	0.00	104.5	0.0	0.	0.00
176	14.900	32.62	0.0	0.0	0.0	1.45	56.01	0.00	56.01	0.00	3.88	0.31	0.00	4.19	0.00	104.6	0.0	0.	0.00
177	14.800	32.61	0.0	0.0	0.0	1.44	56.59	0.00	56.59	0.00	3.90	0.32	0.00	4.21	0.00	104.7	0.0	0.	0.00
178	14.700	32.61	0.0	0.0	0.0	1.43	57.16	0.00	57.16	0.00	3.91	0.32	0.00	4.23	0.00	104.8	0.0	0.	0.00
179	14.600	32.60	0.0	0.0	0.0	1.42	57.62	0.00	57.62	0.00	3.92	0.33	0.00	4.25	0.00	104.9	0.0	0.	0.00
180	14.500	32.60	0.0	0.0	0.0	1.41	57.31	0.00	57.31	0.00	3.92	0.34	0.00	4.26	0.00	105.0	0.0	0.	0.00
181	14.400	32.60	0.0	0.0	0.0	1.39	54.74	0.00	54.74	0.00	3.88	0.37	0.00	4.25	0.00	104.5	0.0	0.	0.00
182	14.300	32.60	0.0	0.0	0.0	1.41	52.57	0.00	52.57	0.00	3.85	0.39	0.00	4.23	0.00	104.1	0.0	0.	0.00
183	14.200	32.60	0.0	0.0	0.0	1.44	50.45	0.00	50.45	0.00	3.82	0.40	0.00	4.22	0.00	103.6	0.0	0.	0.00
184	14.100	32.60	0.0	0.0	0.0	1.48	48.39	0.00	48.39	0.00	3.79	0.41	0.00	4.20	0.00	103.1	0.0	0.	0.00
185	14.000	32.60	0.0	0.0	0.0	1.53	46.36	0.00	46.36	0.00	3.75	0.43	0.00	4.18	0.00	102.6	0.0	0.	0.00
186	13.900	32.59	0.0	0.0	0.0	1.57	44.39	0.00	44.39	0.00	3.72	0.43	0.00	4.16	0.00	102.2	0.0	0.	0.00
187	13.800	32.59	0.0	0.0	0.0	1.62	42.46	0.00	42.46	0.00	3.69	0.44	0.00	4.13	0.00	101.7	0.0	0.	0.00
188	13.700	32.59	0.0	0.0	0.0	1.67	40.59	0.00	40.59	0.00	3.66	0.44	0.00	4.10	0.00	101.2	0.0	0.	0.00
189	13.600	32.59	0.0	0.0	0.0	1.72	38.77	0.00	38.77	0.00	3.63	0.44	0.00	4.07	0.00	100.7	0.0	0.	0.00
190	13.500	32.59	0.0	0.0	0.0	1.77	36.99	0.00	36.99	0.00	3.60	0.43	0.00	4.03	0.00	100.3	0.0	0.	0.00
191	13.400	32.59	0.0	0.0	0.0	1.83	35.28	0.00	35.28	0.00	3.57	0.42	0.00	3.99	0.00	99.8	0.0	0.	0.00
192	13.300	32.59	0.0	0.0	0.0	1.89	33.61	0.00	33.61	0.00	3.54	0.41	0.00	3.95	0.00	99.3	0.0	0.	0.00
193	13.200	32.59	0.0	0.0	0.0	1.95	32.01	0.00	32.01	0.00	3.51	0.39	0.00	3.90	0.00	98.8	0.0	0.	0.00
194	13.100	32.59	0.0	0.0	0.0	2.06	30.50	0.00	30.50	0.00	3.48	0.37	0.00	3.85	0.00	98.4	0.0	0.	0.00
195	13.000	32.59	0.0	0.0	0.0	2.26	29.12	0.00	29.12	0.00	3.45	0.36	0.00	3.81	0.00	97.9	0.0	0.	0.00
196	12.900	32.59	0.0	0.0	0.0	2.51	27.85	0.00	27.85	0.00	3.42	0.34	0.00	3.76	0.00	97.4	0.0	0.	0.00
197	12.800	32.59	0.0	0.0	0.0	2.81	26.69	0.00	26.69	0.00	3.39	0.32	0.00	3.72	0.00	96.9	0.0	0.	0.00
198	12.700	32.58	0.0	0.0	0.0	3.14	25.63	0.00	25.63	0.00	3.36	0.31	0.00	3.67	0.00	96.5	0.0	0.	0.00
199	12.600	32.58	0.0	0.0	0.0	3.50	24.65	0.00	24.65	0.00	3.34	0.29	0.00	3.63	0.00	96.0	0.0	0.	0.00
200	12.500	32.58	0.0	0.0	0.0	3.87	23.75	0.00	23.75	0.00	3.31	0.28	0.00	3.59	0.00	95.5	0.0	0.	0.00
201	12.400	32.58	0.0	0.0	0.0	4.26	22.93	0.00	22.93	0.00	3.28	0.27	0.00	3.55	0.00	95.0	0.0	0.	0.00
202	12.300	32.58	0.0	0.0	0.0	4.64	22.18	0.00	22.18	0.00	3.25	0.25	0.00	3.50	0.00	94.6	0.0	0.	0.00
203	12.200	32.58	0.0	0.0	0.0	5.02	21.49	0.00	21.49	0.00	3.23	0.24	0.00	3.47	0.00	94.1	0.0	0.	0.00
204	12.100	32.58	0.0	0.0	0.0	5.40	20.85	0.00	20.85	0.00	3.20	0.23	0.00	3.43	0.00	93.6	0.0	0.	0.00
205	12.000	32.58	0.0	0.0	0.0	5.77	20.27	0.00	20.27	0.00	3.17	0.22	0.00	3.39	0.00	93.1	0.0	0.	0.00
206	11.900	32.58	0.0	0.0	0.0	6.12	19.74	0.00	19.74	0.00	3.14	0.21	0.00	3.36	0.00	92.7	0.0	0.	0.00
207	11.800	32.58	0.0	0.0	0.0	6.46	19.26	0.00	19.26	0.00	3.12	0.20	0.00	3.32	0.00	92.2	0.0	0.	0.00
208	11.700	32.58	0.0	0.0	0.0	6.79	18.81	0.00	18.81	0.00	3.09	0.19	0.00	3.29	0.00	91.7	0.0	0.	0.00
209	11.600	32.58	0.0	0.0	0.0	7.10	18.40	0.00	18.40	0.00	3.07	0.19	0.00	3.25	0.00	91.2	0.0	0.	0.00
210	11.500	32.57	0.0	0.0	0.0	7.39	18.02	0.00	18.02	0.00	3.04	0.18	0.00	3.22	0.00	90.8	0.0	0.	0.00
211	11.400	32.57	0.0	0.0	0.0	7.66	17.68	0.00	17.68	0.00	3.02	0.18	0.00	3.19	0.00	90.3	0.0	0.	0.00
212	11.300	32.57	0.0	0.0	0.0	7.91	17.36	0.00	17.36	0.00	2.99	0.17	0.00	3.16	0.00	89.8	0.0	0.	0.00
213	11.200	32.57	0.0	0.0	0.0	8.15	17.07	0.00	17.07	0.00	2.96	0.17	0.00	3.13	0.00	89.4	0.0	0.	0.00
214	11.100	32.57	0.0	0.0	0.0	8.37	16.81	0.00	16.81	0.00	2.94	0.16	0.00	3.10	0.00	88.9	0.0	0.	0.00
215	11.000	32.57	0.0	0.0	0.0	8.57	16.57	0.00	16.57	0.00	2.92	0.16	0.00	3.07	0.00	88.4	0.0	0.	0.00
216	10.900	32.57	0.0	0.0	0.0	8.75	16.34	0.00	16.34	0.00	2.89	0.16	0.00	3.05	0.00	87.9	0.0	0.	0.00

217	10.800	32.57	0.0	0.0	0.0	8.92	16.14	0.00	16.14	0.00	2.87	0.15	0.00	3.02	0.00	87.5	0.0	0.	0.00
218	10.700	32.57	0.0	0.0	0.0	9.07	15.95	0.00	15.95	0.00	2.84	0.15	0.00	2.99	0.00	87.0	0.0	0.	0.00
219	10.600	32.57	0.0	0.0	0.0	9.21	15.78	0.00	15.78	0.00	2.82	0.15	0.00	2.97	0.00	86.5	0.0	0.	0.00
220	10.500	32.57	0.0	0.0	0.0	9.33	15.62	0.00	15.62	0.00	2.80	0.14	0.00	2.94	0.00	86.0	0.0	0.	0.00
221	10.400	32.56	0.0	0.0	0.0	9.44	15.48	0.00	15.48	0.00	2.77	0.14	0.00	2.91	0.00	85.6	0.0	0.	0.00
222	10.300	32.56	0.0	0.0	0.0	9.53	15.35	0.00	15.35	0.00	2.75	0.14	0.00	2.89	0.00	85.1	0.0	0.	0.00
223	10.200	32.56	0.0	0.0	0.0	9.61	15.22	0.00	15.22	0.00	2.73	0.14	0.00	2.86	0.00	84.6	0.0	0.	0.00
224	10.100	32.56	0.0	0.0	0.0	9.68	15.11	0.00	15.11	0.00	2.70	0.14	0.00	2.84	0.00	84.1	0.0	0.	0.00
225	10.000	32.56	0.0	0.0	0.0	9.74	15.01	0.00	15.01	0.00	2.68	0.14	0.00	2.82	0.00	83.7	0.0	0.	0.00
226	9.900	32.56	0.0	0.0	0.0	9.79	14.92	0.00	14.92	0.00	2.66	0.13	0.00	2.79	0.00	83.2	0.0	0.	0.00
227	9.800	32.56	0.0	0.0	0.0	9.82	14.83	0.00	14.83	0.00	2.64	0.13	0.00	2.77	0.00	82.7	0.0	0.	0.00
228	9.700	32.56	0.0	0.0	0.0	9.85	14.75	0.00	14.75	0.00	2.61	0.13	0.00	2.74	0.00	82.2	0.0	0.	0.00
229	9.600	32.56	0.0	0.0	0.0	9.87	14.68	0.00	14.68	0.00	2.59	0.13	0.00	2.72	0.00	81.8	0.0	0.	0.00
230	9.500	32.56	0.0	0.0	0.0	9.88	14.62	0.00	14.62	0.00	2.57	0.13	0.00	2.70	0.00	81.3	0.0	0.	0.00
231	9.400	32.56	0.0	0.0	0.0	9.89	14.56	0.00	14.56	0.00	2.55	0.13	0.00	2.68	0.00	80.8	0.0	0.	0.00
232	9.300	32.56	0.0	0.0	0.0	9.88	14.50	0.00	14.50	0.00	2.53	0.13	0.00	2.65	0.00	80.3	0.0	0.	0.00
233	9.200	32.55	0.0	0.0	0.0	9.87	14.45	0.00	14.45	0.00	2.51	0.12	0.00	2.63	0.00	79.9	0.0	0.	0.00
234	9.100	32.55	0.0	0.0	0.0	9.86	14.40	0.00	14.40	0.00	2.48	0.12	0.00	2.61	0.00	79.4	0.0	0.	0.00
235	9.000	32.55	0.0	0.0	0.0	9.83	14.36	0.00	14.36	0.00	2.46	0.12	0.00	2.59	0.00	78.9	0.0	0.	0.00
236	8.900	32.55	0.0	0.0	0.0	9.81	14.32	0.00	14.32	0.00	2.44	0.12	0.00	2.56	0.00	78.4	0.0	0.	0.00
237	8.800	32.55	0.0	0.0	0.0	9.78	14.29	0.00	14.29	0.00	2.42	0.12	0.00	2.54	0.00	78.0	0.0	0.	0.00
238	8.700	32.55	0.0	0.0	0.0	9.74	14.25	0.00	14.25	0.00	2.40	0.12	0.00	2.52	0.00	77.5	0.0	0.	0.00
239	8.600	32.55	0.0	0.0	0.0	9.70	14.22	0.00	14.22	0.00	2.38	0.12	0.00	2.50	0.00	77.0	0.0	0.	0.00
240	8.500	32.55	0.0	0.0	0.0	9.65	14.20	0.00	14.20	0.00	2.36	0.12	0.00	2.48	0.00	76.6	0.0	0.	0.00
241	8.400	32.55	0.0	0.0	0.0	9.61	14.17	0.00	14.17	0.00	2.34	0.12	0.00	2.46	0.00	76.1	0.0	0.	0.00
242	8.300	32.55	0.0	0.0	0.0	9.55	14.15	0.00	14.15	0.00	2.32	0.12	0.00	2.44	0.00	75.6	0.0	0.	0.00
243	8.200	32.55	0.0	0.0	0.0	9.50	14.13	0.00	14.13	0.00	2.30	0.11	0.00	2.42	0.00	75.1	0.0	0.	0.00
244	8.100	32.54	0.0	0.0	0.0	9.44	14.11	0.00	14.11	0.00	2.28	0.11	0.00	2.40	0.00	74.7	0.0	0.	0.00
245	8.000	32.54	0.0	0.0	0.0	9.38	14.09	0.00	14.09	0.00	2.27	0.11	0.00	2.38	0.00	74.2	0.0	0.	0.00
246	7.900	32.54	0.0	0.0	0.0	9.32	14.08	0.00	14.08	0.00	2.25	0.11	0.00	2.36	0.00	73.7	0.0	0.	0.00
247	7.800	32.54	0.0	0.0	0.0	9.25	14.06	0.00	14.06	0.00	2.23	0.11	0.00	2.34	0.00	73.2	0.0	0.	0.00
248	7.700	32.54	0.0	0.0	0.0	9.19	14.05	0.00	14.05	0.00	2.21	0.11	0.00	2.32	0.00	72.8	0.0	0.	0.00
249	7.600	32.54	0.0	0.0	0.0	9.12	14.04	0.00	14.04	0.00	2.19	0.11	0.00	2.30	0.00	72.3	0.0	0.	0.00
250	7.500	32.54	0.0	0.0	0.0	9.05	14.02	0.00	14.02	0.00	2.17	0.11	0.00	2.28	0.00	71.8	0.0	0.	0.00
251	7.400	32.54	0.0	0.0	0.0	8.98	14.01	0.00	14.01	0.00	2.15	0.11	0.00	2.26	0.00	71.3	0.0	0.	0.00
252	7.300	32.54	0.0	0.0	0.0	8.90	14.00	0.00	14.00	0.00	2.14	0.11	0.00	2.24	0.00	70.9	0.0	0.	0.00
253	7.200	32.54	0.0	0.0	0.0	8.83	14.00	0.00	14.00	0.00	2.12	0.10	0.00	2.22	0.00	70.4	0.0	0.	0.00
254	7.100	32.54	0.0	0.0	0.0	8.75	13.99	0.00	13.99	0.00	2.10	0.10	0.00	2.20	0.00	69.9	0.0	0.	0.00
255	7.000	32.54	0.0	0.0	0.0	8.67	13.98	0.00	13.98	0.00	2.08	0.10	0.00	2.19	0.00	69.4	0.0	0.	0.00
256	6.900	32.53	0.0	0.0	0.0	8.59	13.98	0.00	13.98	0.00	2.07	0.10	0.00	2.17	0.00	69.0	0.0	0.	0.00
257	6.800	32.53	0.0	0.0	0.0	8.51	13.97	0.00	13.97	0.00	2.05	0.10	0.00	2.15	0.00	68.5	0.0	0.	0.00
258	6.700	32.53	0.0	0.0	0.0	8.43	13.96	0.00	13.96	0.00	2.03	0.10	0.00	2.13	0.00	68.0	0.0	0.	0.00
259	6.600	32.53	0.0	0.0	0.0	8.35	13.96	0.00	13.96	0.00	2.01	0.10	0.00	2.11	0.00	67.5	0.0	0.	0.00
260	6.500	32.53	0.0	0.0	0.0	8.27	13.96	0.00	13.96	0.00	2.00	0.10	0.00	2.10	0.00	67.1	0.0	0.	0.00
261	6.400	32.53	0.0	0.0	0.0	8.19	13.95	0.00	13.95	0.00	1.98	0.10	0.00	2.08	0.00	66.6	0.0	0.	0.00
262	6.300	32.53	0.0	0.0	0.0	8.10	13.95	0.00	13.95	0.00	1.96	0.10	0.00	2.06	0.00	66.1	0.0	0.	0.00
263	6.200	32.53	0.0	0.0	0.0	8.02	13.95	0.00	13.95	0.00	1.95	0.10	0.00	2.05	0.00	65.6	0.0	0.	0.00
264	6.100	32.53	0.0	0.0	0.0	7.93	13.95	0.00	13.95	0.00	1.93	0.10	0.00	2.03	0.00	65.2	0.0	0.	0.00
265	6.000	32.53	0.0	0.0	0.0	7.84	13.94	0.00	13.94	0.00	1.92	0.10	0.00	2.01	0.00	64.7	0.0	0.	0.00
266	5.900	32.53	0.0	0.0	0.0	7.76	13.94	0.00	13.94	0.00	1.90	0.10	0.00	2.00	0.00	64.2	0.0	0.	0.00

267	5.800	32.53	0.0	0.0	0.0	7.67	13.94	0.00	13.94	0.00	1.88	0.09	0.00	1.98	0.00	63.8	0.0	0. 0.00
268	5.700	32.52	0.0	0.0	0.0	7.58	13.94	0.00	13.94	0.00	1.87	0.09	0.00	1.96	0.00	63.3	0.0	0. 0.00
269	5.600	32.52	0.0	0.0	0.0	7.50	13.93	0.00	13.93	0.00	1.85	0.09	0.00	1.95	0.00	62.8	0.0	0. 0.00
270	5.500	32.52	0.0	0.0	0.0	7.41	13.93	0.00	13.93	0.00	1.84	0.09	0.00	1.93	0.00	62.3	0.0	0. 0.00
271	5.400	32.52	0.0	0.0	0.0	7.32	13.93	0.00	13.93	0.00	1.82	0.09	0.00	1.91	0.00	61.9	0.0	0. 0.00
272	5.300	32.52	0.0	0.0	0.0	7.23	13.93	0.00	13.93	0.00	1.81	0.09	0.00	1.90	0.00	61.4	0.0	0. 0.00
273	5.200	32.52	0.0	0.0	0.0	7.15	13.93	0.00	13.93	0.00	1.79	0.09	0.00	1.88	0.00	60.9	0.0	0. 0.00
274	5.100	32.52	0.0	0.0	0.0	7.06	13.93	0.00	13.93	0.00	1.78	0.09	0.00	1.87	0.00	60.4	0.0	0. 0.00
275	5.000	32.52	0.0	0.0	0.0	6.97	13.93	0.00	13.93	0.00	1.76	0.09	0.00	1.85	0.00	60.0	0.0	0. 0.00
276	4.900	32.52	0.0	0.0	0.0	6.88	13.92	0.00	13.92	0.00	1.75	0.09	0.00	1.84	0.00	59.5	0.0	0. 0.00
277	4.800	32.52	0.0	0.0	0.0	6.79	13.92	0.00	13.92	0.00	1.73	0.09	0.00	1.82	0.00	59.0	0.0	0. 0.00
278	4.700	32.52	0.0	0.0	0.0	6.70	13.92	0.00	13.92	0.00	1.72	0.09	0.00	1.80	0.00	58.5	0.0	0. 0.00
279	4.600	32.51	0.0	0.0	0.0	6.61	13.92	0.00	13.92	0.00	1.70	0.09	0.00	1.79	0.00	58.1	0.0	0. 0.00
280	4.500	32.51	0.0	0.0	0.0	6.52	13.92	0.00	13.92	0.00	1.69	0.09	0.00	1.78	0.00	57.6	0.0	0. 0.00
281	4.400	32.51	0.0	0.0	0.0	6.43	13.92	0.00	13.92	0.00	1.68	0.09	0.00	1.76	0.00	57.1	0.0	0. 0.00
282	4.300	32.51	0.0	0.0	0.0	6.34	13.92	0.00	13.92	0.00	1.66	0.08	0.00	1.75	0.00	56.6	0.0	0. 0.00
283	4.200	32.51	0.0	0.0	0.0	6.25	13.92	0.00	13.92	0.00	1.65	0.08	0.00	1.73	0.00	56.2	0.0	0. 0.00
284	4.100	32.51	0.0	0.0	0.0	6.16	13.92	0.00	13.92	0.00	1.63	0.08	0.00	1.72	0.00	55.7	0.0	0. 0.00
285	4.000	32.51	0.0	0.0	0.0	6.07	13.92	0.00	13.92	0.00	1.62	0.08	0.00	1.70	0.00	55.2	0.0	0. 0.00
286	3.900	32.51	0.0	0.0	0.0	5.98	13.92	0.00	13.92	0.00	1.61	0.08	0.00	1.69	0.00	54.7	0.0	0. 0.00
287	3.800	32.51	0.0	0.0	0.0	5.89	13.92	0.00	13.92	0.00	1.59	0.08	0.00	1.68	0.00	54.3	0.0	0. 0.00
288	3.700	32.51	0.0	0.0	0.0	5.80	13.92	0.00	13.92	0.00	1.58	0.08	0.00	1.66	0.00	53.8	0.0	0. 0.00
289	3.600	32.51	0.0	0.0	0.0	5.71	13.92	0.00	13.92	0.00	1.57	0.08	0.00	1.65	0.00	53.3	0.0	0. 0.00
290	3.500	32.51	0.0	0.0	0.0	5.62	13.92	0.00	13.92	0.00	1.55	0.08	0.00	1.64	0.00	52.8	0.0	0. 0.00
291	3.400	32.50	0.0	0.0	0.0	5.53	13.92	0.00	13.92	0.00	1.54	0.08	0.00	1.62	0.00	52.4	0.0	0. 0.00
292	3.300	32.50	0.0	0.0	0.0	5.44	13.92	0.00	13.92	0.00	1.53	0.08	0.00	1.61	0.00	51.9	0.0	0. 0.00
293	3.200	32.50	0.0	0.0	0.0	5.35	13.92	0.00	13.92	0.00	1.52	0.08	0.00	1.60	0.00	51.4	0.0	0. 0.00
294	3.100	32.50	0.0	0.0	0.0	5.26	13.92	0.00	13.92	0.00	1.50	0.08	0.00	1.58	0.00	50.9	0.0	0. 0.00
295	3.000	32.50	0.0	0.0	0.0	5.18	13.91	0.00	13.91	0.00	1.49	0.08	0.00	1.57	0.00	50.5	0.0	0. 0.00
296	2.900	32.50	0.0	0.0	0.0	5.11	13.89	0.00	13.89	0.00	1.48	0.08	0.00	1.56	0.00	50.0	0.0	0. 0.00
297	2.800	32.44	0.0	0.0	0.0	5.09	13.77	0.00	13.77	0.00	1.48	0.08	0.00	1.56	0.00	48.3	0.0	0. 0.00
298	2.700	32.38	0.0	0.0	0.0	5.06	13.63	0.00	13.63	0.00	1.48	0.08	0.00	1.56	0.00	46.7	0.0	0. 0.00
299	2.600	32.32	0.0	0.0	0.0	5.02	13.49	0.00	13.49	0.00	1.48	0.08	0.00	1.56	0.00	45.0	0.0	0. 0.00
300	2.500	32.27	0.0	0.0	0.0	4.98	13.35	0.00	13.35	0.00	1.48	0.08	0.00	1.56	0.00	43.4	0.0	0. 0.00
301	2.400	32.21	0.0	0.0	0.0	4.93	13.22	0.00	13.22	0.00	1.47	0.08	0.00	1.55	0.00	41.7	0.0	0. 0.00
302	2.300	32.15	0.0	0.0	0.0	4.88	13.09	0.00	13.09	0.00	1.47	0.08	0.00	1.55	0.00	40.1	0.0	0. 0.00
303	2.200	32.09	0.0	0.0	0.0	4.83	12.97	0.00	12.97	0.00	1.47	0.08	0.00	1.55	0.00	38.4	0.0	0. 0.00
304	2.100	32.03	0.0	0.0	0.0	4.78	12.84	0.00	12.84	0.00	1.47	0.08	0.00	1.55	0.00	36.8	0.0	0. 0.00
305	2.000	31.97	0.0	0.0	0.0	4.72	12.72	0.00	12.72	0.00	1.47	0.08	0.00	1.54	0.00	35.1	0.0	0. 0.00
306	1.900	31.91	0.0	0.0	0.0	4.65	12.61	0.00	12.61	0.00	1.46	0.08	0.00	1.54	0.00	33.4	0.0	0. 0.00
307	1.800	31.86	0.0	0.0	0.0	4.58	12.49	0.00	12.49	0.00	1.46	0.08	0.00	1.54	0.00	31.8	0.0	0. 0.00
308	1.700	31.80	0.0	0.0	0.0	4.51	12.38	0.00	12.38	0.00	1.46	0.08	0.00	1.54	0.00	30.1	0.0	0. 0.00
309	1.600	31.74	0.0	0.0	0.0	4.44	12.27	0.00	12.27	0.00	1.46	0.08	0.00	1.54	0.00	28.5	0.0	0. 0.00
310	1.500	31.68	0.0	0.0	0.0	4.36	12.16	0.00	12.16	0.00	1.46	0.08	0.00	1.53	0.00	26.8	0.0	0. 0.00
311	1.400	31.62	0.0	0.0	0.0	4.28	12.06	0.00	12.06	0.00	1.45	0.08	0.00	1.53	0.00	25.2	0.0	0. 0.00
312	1.300	31.56	0.0	0.0	0.0	4.20	11.96	0.00	11.96	0.00	1.45	0.08	0.00	1.53	0.00	23.5	0.0	0. 0.00
313	1.200	31.50	0.0	0.0	0.0	4.11	11.86	0.00	11.86	0.00	1.45	0.08	0.00	1.53	0.00	21.9	0.0	0. 0.00
314	1.100	31.44	0.0	0.0	0.0	4.02	11.77	0.00	11.77	0.00	1.45	0.08	0.00	1.53	0.00	20.2	0.0	0. 0.00
315	1.000	31.39	0.0	0.0	0.0	3.93	11.67	0.00	11.67	0.00	1.44	0.08	0.00	1.52	0.00	18.6	0.0	0. 0.00
316	0.900	31.33	0.0	0.0	0.0	3.83	11.58	0.00	11.58	0.00	1.44	0.08	0.00	1.52	0.00	16.9	0.0	0. 0.00

317	0.800	31.27	0.0	0.0	0.0	3.73	11.49	0.00	11.49	0.00	1.44	0.08	0.00	1.52	0.00	15.2	0.0	0.	0.00	
318	0.700	31.21	0.0	0.0	0.0	3.63	11.41	0.00	11.41	0.00	1.44	0.08	0.00	1.52	0.00	13.6	0.0	0.	0.00	
319	0.600	31.15	0.0	0.0	0.0	3.53	11.32	0.00	11.32	0.00	1.44	0.08	0.00	1.52	0.00	11.9	0.0	0.	0.00	
320	0.500	31.09	0.0	0.0	0.0	3.42	11.24	0.00	11.24	0.00	1.43	0.08	0.00	1.51	0.00	10.3	0.0	0.	0.00	
321	0.400	31.03	0.0	0.0	0.0	3.31	11.16	0.00	11.16	0.00	1.43	0.08	0.00	1.51	0.00	8.6	0.0	0.	0.00	
322	0.300	30.98	0.0	0.0	0.0	3.20	11.08	0.00	11.08	0.00	1.43	0.08	0.00	1.51	0.00	7.0	0.0	0.	0.00	
323	0.200	30.92	0.0	0.0	0.0	3.09	11.01	0.00	11.01	0.00	1.43	0.08	0.00	1.51	0.00	5.3	0.0	0.	0.00	
324	0.100	30.86	0.0	0.0	0.0	2.98	10.90	0.00	10.90	0.00	1.42	0.08	0.00	1.50	0.00	3.7	0.0	0.	0.00	
325	0.000	30.80	0.0	0.0	0.0	3.00	10.15	0.00	10.15	0.00	1.30	0.08	0.00	1.38	0.00	2.0	0.0	0.	0.00	

SPECIAL REPORT: Fourmile Bayou Oxbow

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	MACRO #/100mL	COLI *	NCM
56	4.100	33.88	0.0	0.0	0.0	6.33	25.59	0.00	25.59	0.00	1.79	0.10	0.01	1.90	0.00	93.5	0.0	0.	0.00		
57	4.000	33.85	0.0	0.0	0.0	5.97	25.65	0.00	25.65	0.00	1.86	0.10	0.00	1.96	0.00	91.9	0.0	0.	0.00		
58	3.900	33.83	0.0	0.0	0.0	5.61	25.72	0.00	25.72	0.00	1.93	0.10	0.00	2.03	0.00	90.4	0.0	0.	0.00		
59	3.800	33.80	0.0	0.0	0.0	5.24	25.78	0.00	25.78	0.00	2.00	0.10	0.00	2.10	0.00	88.8	0.0	0.	0.00		
60	3.700	33.78	0.0	0.0	0.0	4.87	25.84	0.00	25.84	0.00	2.07	0.10	0.00	2.17	0.00	87.3	0.0	0.	0.00		
61	3.600	33.76	0.0	0.0	0.0	4.50	25.90	0.00	25.90	0.00	2.15	0.10	0.00	2.24	0.00	85.7	0.0	0.	0.00		
62	3.500	33.73	0.0	0.0	0.0	4.13	25.96	0.00	25.96	0.00	2.22	0.10	0.00	2.31	0.00	84.2	0.0	0.	0.00		
63	3.400	33.71	0.0	0.0	0.0	3.75	26.02	0.00	26.02	0.00	2.29	0.10	0.00	2.39	0.00	82.6	0.0	0.	0.00		
64	3.300	33.69	0.0	0.0	0.0	3.37	26.08	0.00	26.08	0.00	2.35	0.10	0.00	2.46	0.00	81.1	0.0	0.	0.00		
65	3.200	33.66	0.0	0.0	0.0	3.00	26.14	0.00	26.14	0.00	2.42	0.10	0.00	2.53	0.00	79.5	0.0	0.	0.00		
66	3.100	33.64	0.0	0.0	0.0	2.62	26.20	0.00	26.20	0.00	2.49	0.10	0.00	2.60	0.00	78.0	0.0	0.	0.00		
67	3.000	33.61	0.0	0.0	0.0	2.25	26.26	0.00	26.26	0.00	2.56	0.11	0.00	2.67	0.00	76.4	0.0	0.	0.00		
68	2.900	33.59	0.0	0.0	0.0	1.93	26.37	0.00	26.37	0.00	2.63	0.11	0.00	2.74	0.00	74.9	0.0	0.	0.00		
69	2.800	33.57	0.0	0.0	0.0	1.72	26.56	0.00	26.56	0.00	2.70	0.11	0.00	2.82	0.00	73.3	0.0	0.	0.00		
70	2.700	33.54	0.0	0.0	0.0	1.57	26.80	0.00	26.80	0.00	2.77	0.12	0.00	2.89	0.00	71.8	0.0	0.	0.00		
71	2.600	33.52	0.0	0.0	0.0	1.47	27.08	0.00	27.08	0.00	2.84	0.12	0.00	2.96	0.00	70.2	0.0	0.	0.00		
72	2.500	33.50	0.0	0.0	0.0	1.39	27.39	0.00	27.39	0.00	2.91	0.13	0.00	3.04	0.00	68.7	0.0	0.	0.00		
73	2.400	33.47	0.0	0.0	0.0	1.32	27.72	0.00	27.72	0.00	2.98	0.13	0.00	3.11	0.00	67.1	0.0	0.	0.00		
74	2.300	33.45	0.0	0.0	0.0	1.27	28.07	0.00	28.07	0.00	3.04	0.14	0.00	3.18	0.00	65.6	0.0	0.	0.00		
75	2.200	33.42	0.0	0.0	0.0	1.23	28.43	0.00	28.43	0.00	3.11	0.15	0.00	3.26	0.00	64.0	0.0	0.	0.00		
76	2.100	33.40	0.0	0.0	0.0	1.19	28.80	0.00	28.80	0.00	3.18	0.15	0.00	3.33	0.00	62.5	0.0	0.	0.00		
77	2.000	33.38	0.0	0.0	0.0	1.16	29.18	0.00	29.18	0.00	3.25	0.16	0.00	3.41	0.00	61.0	0.0	0.	0.00		
78	1.900	33.35	0.0	0.0	0.0	1.12	29.57	0.00	29.57	0.00	3.32	0.17	0.00	3.48	0.00	59.4	0.0	0.	0.00		
79	1.800	33.33	0.0	0.0	0.0	1.09	29.97	0.00	29.97	0.00	3.38	0.17	0.00	3.56	0.00	57.9	0.0	0.	0.00		
80	1.700	33.30	0.0	0.0	0.0	1.06	30.37	0.00	30.37	0.00	3.45	0.18	0.00	3.63	0.00	56.3	0.0	0.	0.00		
81	1.600	33.28	0.0	0.0	0.0	1.03	30.79	0.00	30.79	0.00	3.52	0.19	0.00	3.71	0.00	54.8	0.0	0.	0.00		
82	1.500	33.26	0.0	0.0	0.0	1.00	31.22	0.00	31.22	0.00	3.59	0.20	0.00	3.78	0.00	53.2	0.0	0.	0.00		
83	1.400	33.23	0.0	0.0	0.0	0.97	31.65	0.00	31.65	0.00	3.65	0.20	0.00	3.86	0.00	51.7	0.0	0.	0.00		
84	1.300	33.21	0.0	0.0	0.0	0.94	32.09	0.00	32.09	0.00	3.72	0.21	0.00	3.93	0.00	50.1	0.0	0.	0.00		
85	1.200	33.19	0.0	0.0	0.0	0.91	32.54	0.00	32.54	0.00	3.79	0.22	0.00	4.01	0.00	48.6	0.0	0.	0.00		
86	1.100	33.16	0.0	0.0	0.0	0.89	33.00	0.00	33.00	0.00	3.85	0.23	0.00	4.08	0.00	47.0	0.0	0.	0.00		
87	1.000	33.14	0.0	0.0	0.0	0.86	33.47	0.00	33.47	0.00	3.92	0.24	0.00	4.16	0.00	45.5	0.0	0.	0.00		
88	0.900	33.11	0.0	0.0	0.0	0.83	33.95	0.00	33.95	0.00	3.99	0.24	0.00	4.23	0.00	43.9	0.0	0.	0.00		
89	0.800	33.09	0.0	0.0	0.0	0.81	34.43	0.00	34.43	0.00	4.05	0.25	0.00	4.30	0.00	42.4	0.0	0.	0.00		
90	0.700	33.07	0.0	0.0	0.0	0.78	34.93	0.00	34.93	0.00	4.12	0.26	0.00	4.38	0.00	40.8	0.0	0.	0.00		
91	0.600	33.04	0.0	0.0	0.0	0.75	35.43	0.00	35.43	0.00	4.18	0.27	0.00	4.45	0.00	39.3	0.0	0.	0.00		
92	0.500	33.02	0.0	0.0	0.0	0.73	35.94	0.00	35.94	0.00	4.25	0.28	0.00	4.53	0.00	37.7	0.0	0.	0.00		

93	0.400	33.00	0.0	0.0	0.0	0.71	36.45	0.00	36.45	0.00	4.31	0.29	0.00	4.60	0.00	36.2	0.0	0.	0.00
94	0.300	32.97	0.0	0.0	0.0	0.68	36.95	0.00	36.95	0.00	4.37	0.30	0.00	4.67	0.00	34.6	0.0	0.	0.00
95	0.200	32.95	0.0	0.0	0.0	0.67	37.32	0.00	37.32	0.00	4.42	0.31	0.00	4.72	0.00	33.1	0.0	0.	0.00
96	0.100	32.92	0.0	0.0	0.0	0.68	37.14	0.00	37.14	0.00	4.38	0.30	0.00	4.69	0.00	31.5	0.0	0.	0.00
97	0.000	32.90	0.0	0.0	0.0	0.94	34.59	0.00	34.59	0.00	4.02	0.26	0.00	4.28	0.00	30.0	0.0	0.	0.00

SPECIAL REPORT: Grassy Lake

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#2 SETT	ABOD#2 DECAY	FULL SOD	CORR SOD	ORG-N DECAY	ORG-N SETT	NH3 DECAY	NH3 SRCE	DENIT RATE	PO4 SRCE	ALG PROD	MAC PROD	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
1	28.200	7.17	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	0.03	0.00	0.55	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00
2	28.100	7.17	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	0.03	0.00	0.56	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00
3	28.000	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	0.03	0.00	0.56	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00
4	27.900	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
5	27.800	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
6	27.700	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
7	27.600	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
8	27.500	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
9	27.400	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
10	27.300	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
11	27.200	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
12	27.100	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.56	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
13	27.000	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
14	26.900	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
15	26.800	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
16	26.700	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
17	26.600	7.12	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
18	26.500	7.12	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
19	26.400	7.12	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
20	26.300	7.12	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
21	26.200	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
22	26.100	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
23	26.000	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
24	25.900	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
25	25.800	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.03	0.00	0.57	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
26	25.700	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
27	25.600	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
28	25.500	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
29	25.400	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
30	25.300	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
31	25.200	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
32	25.100	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
33	25.000	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
34	24.900	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.03	0.00	0.58	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
35	24.800	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.68	1.68	0.03	0.00	0.58	0.00	0.00	0.00	8.99	0.00	0.00	0.00	0.00
36	24.700	7.08	0.17	0.40	0.00	0.00	0.00	0.00	0.00	7.18	7.18	0.03	0.00	0.58	0.00	0.00	0.00	8.67	0.00	0.00	0.00	0.00
37	24.600	7.09	0.17	0.40	0.00	0.00	0.00	0.00	0.00	7.15	7.15	0.03	0.00	0.57	0.00	0.00	0.00	8.34	0.00	0.00	0.00	0.00
38	24.500	7.09	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.13	7.13	0.03	0.00	0.57	0.00	0.00	0.00	8.02	0.00	0.00	0.00	0.00
39	24.400	7.10	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.11	7.11	0.03	0.00	0.57	0.00	0.00	0.00	7.69	0.00	0.00	0.00	0.00
40	24.300	7.11	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.09	7.09	0.03	0.00	0.56	0.00	0.00	0.00	7.37	0.00	0.00	0.00	0.00

41	24.200	7.11	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.06	7.06	0.03	0.00	0.55	0.00	0.00	0.00	7.05	0.00	0.00	0.00	0.00
42	24.100	7.12	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.04	7.04	0.03	0.00	0.55	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00
43	24.000	7.12	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.02	7.02	0.03	0.00	0.54	0.00	0.00	0.00	6.41	0.00	0.00	0.00	0.00
44	23.900	7.13	0.17	0.39	0.00	0.00	0.00	0.00	0.00	7.00	7.00	0.03	0.00	0.54	0.00	0.00	0.00	6.10	0.00	0.00	0.00	0.00
45	23.800	7.14	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.98	6.98	0.03	0.00	0.53	0.00	0.00	0.00	5.78	0.00	0.00	0.00	0.00
46	23.700	7.14	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.95	6.95	0.03	0.00	0.52	0.00	0.00	0.00	5.47	0.00	0.00	0.00	0.00
47	23.600	7.15	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.93	6.93	0.03	0.00	0.52	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00
48	23.500	7.15	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.91	6.91	0.03	0.00	0.51	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00
49	23.400	7.16	0.17	0.39	0.00	0.00	0.00	0.00	0.00	6.89	6.89	0.03	0.00	0.50	0.00	0.00	0.00	4.54	0.00	0.00	0.00	0.00
50	23.300	7.16	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.87	6.87	0.03	0.00	0.49	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00
51	23.200	7.17	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.85	6.85	0.03	0.00	0.48	0.00	0.00	0.00	3.92	0.00	0.00	0.00	0.00
52	23.100	7.18	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.82	6.82	0.03	0.00	0.47	0.00	0.00	0.00	3.62	0.00	0.00	0.00	0.00
53	23.000	7.18	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.80	6.80	0.03	0.00	0.45	0.00	0.00	0.00	3.32	0.00	0.00	0.00	0.00
54	22.900	7.19	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.78	6.78	0.03	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
55	22.800	7.20	0.17	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	0.03	0.00	0.42	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
98	22.700	7.20	0.20	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	0.03	0.00	0.39	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00
99	22.600	7.20	0.20	0.37	0.00	0.00	0.00	0.00	0.00	6.76	6.60	0.03	0.00	0.36	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00
100	22.500	7.20	0.20	0.34	0.00	0.00	0.00	0.00	0.00	6.76	6.13	0.03	0.00	0.27	0.00	0.00	0.00	3.27	0.00	0.00	0.00	0.00
101	22.400	7.20	0.20	0.32	0.00	0.00	0.00	0.00	0.00	6.75	5.73	0.03	0.00	0.21	0.00	0.00	0.00	3.46	0.00	0.00	0.00	0.00
102	22.300	7.20	0.20	0.30	0.00	0.00	0.00	0.00	0.00	6.75	5.38	0.03	0.00	0.17	0.00	0.00	0.00	3.64	0.00	0.00	0.00	0.00
103	22.200	7.20	0.20	0.29	0.00	0.00	0.00	0.00	0.00	6.75	5.09	0.03	0.00	0.13	0.00	0.00	0.00	3.83	0.00	0.00	0.00	0.00
104	22.100	7.20	0.20	0.27	0.00	0.00	0.00	0.00	0.00	6.75	4.85	0.03	0.00	0.11	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
105	22.000	7.20	0.20	0.26	0.00	0.00	0.00	0.00	0.00	6.75	4.64	0.03	0.00	0.09	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00
106	21.900	7.20	0.20	0.25	0.00	0.00	0.00	0.00	0.00	6.75	4.48	0.03	0.00	0.08	0.00	0.00	0.00	4.38	0.00	0.00	0.00	0.00
107	21.800	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.75	4.34	0.03	0.00	0.07	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00
108	21.700	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.75	4.23	0.03	0.00	0.07	0.00	0.00	0.00	4.75	0.00	0.00	0.00	0.00
109	21.600	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.74	4.14	0.03	0.00	0.06	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00
110	21.500	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.74	4.07	0.03	0.00	0.06	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00
111	21.400	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.74	4.03	0.03	0.00	0.06	0.00	0.00	0.00	5.31	0.00	0.00	0.00	0.00
112	21.300	7.20	0.20	0.22	0.00	0.00	0.00	0.00	0.00	6.74	4.00	0.03	0.00	0.05	0.00	0.00	0.00	5.49	0.00	0.00	0.00	0.00
113	21.200	7.20	0.20	0.22	0.00	0.00	0.00	0.00	0.00	6.74	3.98	0.03	0.00	0.05	0.00	0.00	0.00	5.68	0.00	0.00	0.00	0.00
114	21.100	7.20	0.20	0.22	0.00	0.00	0.00	0.00	0.00	6.74	3.98	0.03	0.00	0.05	0.00	0.00	0.00	5.86	0.00	0.00	0.00	0.00
115	21.000	7.20	0.20	0.22	0.00	0.00	0.00	0.00	0.00	6.74	3.98	0.03	0.00	0.05	0.00	0.00	0.00	6.05	0.00	0.00	0.00	0.00
116	20.900	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.74	4.00	0.03	0.00	0.05	0.00	0.00	0.00	6.23	0.00	0.00	0.00	0.00
117	20.800	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.73	4.03	0.03	0.00	0.06	0.00	0.00	0.00	6.42	0.00	0.00	0.00	0.00
118	20.700	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.73	4.06	0.03	0.00	0.06	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00
119	20.600	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.73	4.10	0.03	0.00	0.06	0.00	0.00	0.00	6.79	0.00	0.00	0.00	0.00
120	20.500	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.73	4.15	0.03	0.00	0.06	0.00	0.00	0.00	6.97	0.00	0.00	0.00	0.00
121	20.400	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.73	4.20	0.03	0.00	0.07	0.00	0.00	0.00	7.16	0.00	0.00	0.00	0.00
122	20.300	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.73	4.25	0.03	0.00	0.07	0.00	0.00	0.00	7.34	0.00	0.00	0.00	0.00
123	20.200	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.73	4.31	0.03	0.00	0.07	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00
124	20.100	7.20	0.20	0.25	0.00	0.00	0.00	0.00	0.00	6.73	4.37	0.03	0.00	0.08	0.00	0.00	0.00	7.71	0.00	0.00	0.00	0.00
125	20.000	7.20	0.20	0.25	0.00	0.00	0.00	0.00	0.00	6.72	4.44	0.03	0.00	0.08	0.00	0.00	0.00	7.90	0.00	0.00	0.00	0.00
126	19.900	7.21	0.20	0.25	0.00	0.00	0.00	0.00	0.00	6.72	4.51	0.03	0.00	0.09	0.00	0.00	0.00	8.08	0.00	0.00	0.00	0.00
127	19.800	7.21	0.20	0.26	0.00	0.00	0.00	0.00	0.00	6.72	4.58	0.03	0.00	0.09	0.00	0.00	0.00	8.26	0.00	0.00	0.00	0.00
128	19.700	7.21	0.20	0.26	0.00	0.00	0.00	0.00	0.00	6.72	4.65	0.03	0.00	0.10	0.00	0.00	0.00	8.45	0.00	0.00	0.00	0.00
129	19.600	7.21	0.20	0.27	0.00	0.00	0.00	0.00	0.00	6.72	4.72	0.03	0.00	0.10	0.00	0.00	0.00	8.63	0.00	0.00	0.00	0.00
130	19.500	7.21	0.20	0.27	0.00	0.00	0.00	0.00	0.00	6.72	4.83	0.03	0.00	0.11	0.00	0.00	0.00	8.82	0.00	0.00	0.00	0.00
131	19.400	7.21	0.20	0.32	0.00	0.00	0.00	0.00	0.00	6.72	5.68	0.03	0.00	0.21	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
132	19.300	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	0.03	0.00	0.46	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00

133	19.200	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	0.03	0.00	0.47	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
134	19.100	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	0.03	0.00	0.47	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
135	19.000	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	0.03	0.00	0.47	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
136	18.900	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.47	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
137	18.800	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.47	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
138	18.700	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.47	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
139	18.600	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.47	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
140	18.500	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.46	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
141	18.400	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.46	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
142	18.300	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.46	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
143	18.200	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.45	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
144	18.100	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.45	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
145	18.000	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.44	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
146	17.900	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	0.03	0.00	0.43	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
147	17.800	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.42	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00
148	17.700	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.42	0.00	0.00	0.00	9.13	0.00	0.00	0.00	0.00
149	17.600	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.41	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00
150	17.500	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.40	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00
151	17.400	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.38	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00
152	17.300	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	0.03	0.00	0.37	0.00	0.00	0.00	9.16	0.00	0.00	0.00	0.00
153	17.200	7.22	0.71	0.27	0.00	0.00	0.00	0.00	0.00	3.34	3.18	0.03	0.00	0.32	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
154	17.100	7.22	0.70	0.26	0.00	0.00	0.00	0.00	0.00	3.34	3.07	0.03	0.00	0.28	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
155	17.000	7.22	0.70	0.26	0.00	0.00	0.00	0.00	0.00	3.34	3.00	0.03	0.00	0.26	0.00	0.00	0.00	9.18	0.00	0.00	0.00	0.00
156	16.900	7.22	0.70	0.25	0.00	0.00	0.00	0.00	0.00	3.34	2.94	0.03	0.00	0.24	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
157	16.800	7.22	0.70	0.25	0.00	0.00	0.00	0.00	0.00	3.34	2.89	0.03	0.00	0.22	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
158	16.700	7.22	0.70	0.25	0.00	0.00	0.00	0.00	0.00	3.34	2.85	0.03	0.00	0.21	0.00	0.00	0.00	9.20	0.00	0.00	0.00	0.00
159	16.600	7.22	0.70	0.24	0.00	0.00	0.00	0.00	0.00	3.33	2.82	0.03	0.00	0.20	0.00	0.00	0.00	9.21	0.00	0.00	0.00	0.00
160	16.500	7.22	0.70	0.24	0.00	0.00	0.00	0.00	0.00	3.33	2.79	0.03	0.00	0.20	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
161	16.400	7.22	0.70	0.24	0.00	0.00	0.00	0.00	0.00	3.33	2.76	0.03	0.00	0.19	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
162	16.300	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	2.73	0.03	0.00	0.18	0.00	0.00	0.00	9.23	0.00	0.00	0.00	0.00
163	16.200	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	2.70	0.03	0.00	0.17	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00
164	16.100	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	2.68	0.03	0.00	0.17	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00
165	16.000	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	2.65	0.03	0.00	0.16	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00
166	15.900	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	2.62	0.03	0.00	0.16	0.00	0.00	0.00	9.26	0.00	0.00	0.00	0.00
167	15.800	7.22	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.33	2.60	0.03	0.00	0.15	0.00	0.00	0.00	9.27	0.00	0.00	0.00	0.00
168	15.700	7.23	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.33	2.58	0.03	0.00	0.15	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
169	15.600	7.23	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.33	2.55	0.03	0.00	0.14	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
170	15.500	7.23	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.33	2.53	0.03	0.00	0.14	0.00	0.00	0.00	9.29	0.00	0.00	0.00	0.00
171	15.400	7.23	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.32	2.51	0.03	0.00	0.13	0.00	0.00	0.00	9.30	0.00	0.00	0.00	0.00
172	15.300	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	2.49	0.03	0.00	0.13	0.00	0.00	0.00	9.31	0.00	0.00	0.00	0.00
173	15.200	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	2.46	0.03	0.00	0.12	0.00	0.00	0.00	9.31	0.00	0.00	0.00	0.00
174	15.100	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	2.44	0.03	0.00	0.12	0.00	0.00	0.00	9.32	0.00	0.00	0.00	0.00
175	15.000	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	2.42	0.03	0.00	0.12	0.00	0.00	0.00	9.33	0.00	0.00	0.00	0.00
176	14.900	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	2.40	0.03	0.00	0.11	0.00	0.00	0.00	9.34	0.00	0.00	0.00	0.00
177	14.800	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	2.38	0.03	0.00	0.11	0.00	0.00	0.00	9.34	0.00	0.00	0.00	0.00
178	14.700	7.23	0.70	0.20	0.00	0.00	0.00	0.00	0.00	3.32	2.37	0.03	0.00	0.11	0.00	0.00	0.00	9.35	0.00	0.00	0.00	0.00
179	14.600	7.23	0.70	0.20	0.00	0.00	0.00	0.00	0.00	3.32	2.35	0.03	0.00	0.10	0.00	0.00	0.00	9.36	0.00	0.00	0.00	0.00
180	14.500	7.23	0.70	0.20	0.00	0.00	0.00	0.00	0.00	3.32	2.34	0.03	0.00	0.10	0.00	0.00	0.00	9.36	0.00	0.00	0.00	0.00
181	14.400	7.23	0.44	0.20	0.00	0.00	0.00	0.00	0.00	3.32	2.30	0.03	0.00	0.10	0.00	0.00	0.00	9.32	0.00	0.00	0.00	0.00
182	14.300	7.23	0.44	0.20	0.00	0.00	0.00	0.00	0.00	3.32	2.33	0.03	0.00	0.10	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00

183	14.200	7.23	0.44	0.21	0.00	0.00	0.00	0.00	0.00	3.32	2.39	0.03	0.00	0.11	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00
184	14.100	7.23	0.44	0.21	0.00	0.00	0.00	0.00	0.00	3.32	2.46	0.03	0.00	0.12	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
185	14.000	7.23	0.44	0.22	0.00	0.00	0.00	0.00	0.00	3.32	2.53	0.03	0.00	0.14	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00
186	13.900	7.23	0.44	0.22	0.00	0.00	0.00	0.00	0.00	3.32	2.61	0.03	0.00	0.15	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
187	13.800	7.23	0.44	0.23	0.00	0.00	0.00	0.00	0.00	3.32	2.69	0.03	0.00	0.17	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
188	13.700	7.23	0.44	0.24	0.00	0.00	0.00	0.00	0.00	3.32	2.77	0.03	0.00	0.19	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
189	13.600	7.23	0.44	0.25	0.00	0.00	0.00	0.00	0.00	3.32	2.85	0.03	0.00	0.22	0.00	0.00	0.00	8.98	0.00	0.00	0.00	0.00
190	13.500	7.23	0.44	0.25	0.00	0.00	0.00	0.00	0.00	3.31	2.94	0.03	0.00	0.24	0.00	0.00	0.00	8.94	0.00	0.00	0.00	0.00
191	13.400	7.23	0.44	0.26	0.00	0.00	0.00	0.00	0.00	3.31	3.03	0.03	0.00	0.27	0.00	0.00	0.00	8.90	0.00	0.00	0.00	0.00
192	13.300	7.23	0.44	0.27	0.00	0.00	0.00	0.00	0.00	3.31	3.13	0.03	0.00	0.31	0.00	0.00	0.00	8.85	0.00	0.00	0.00	0.00
193	13.200	7.23	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.24	0.03	0.00	0.35	0.00	0.00	0.00	8.81	0.00	0.00	0.00	0.00
194	13.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.37	0.00	0.00	0.00	8.77	0.00	0.00	0.00	0.00
195	13.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.39	0.00	0.00	0.00	8.73	0.00	0.00	0.00	0.00
196	12.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.40	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00
197	12.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.42	0.00	0.00	0.00	8.64	0.00	0.00	0.00	0.00
198	12.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.44	0.00	0.00	0.00	8.60	0.00	0.00	0.00	0.00
199	12.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.45	0.00	0.00	0.00	8.55	0.00	0.00	0.00	0.00
200	12.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.51	0.00	0.00	0.00	0.00
201	12.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.47	0.00	0.00	0.00	0.00
202	12.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.43	0.00	0.00	0.00	0.00
203	12.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.38	0.00	0.00	0.00	0.00
204	12.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	8.34	0.00	0.00	0.00	0.00
205	12.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	8.30	0.00	0.00	0.00	0.00
206	11.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	8.26	0.00	0.00	0.00	0.00
207	11.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	8.21	0.00	0.00	0.00	0.00
208	11.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	8.17	0.00	0.00	0.00	0.00
209	11.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	8.13	0.00	0.00	0.00	0.00
210	11.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	8.09	0.00	0.00	0.00	0.00
211	11.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	8.04	0.00	0.00	0.00	0.00
212	11.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
213	11.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.96	0.00	0.00	0.00	0.00
214	11.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
215	11.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.87	0.00	0.00	0.00	0.00
216	10.900	7.23	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.83	0.00	0.00	0.00	0.00
217	10.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.79	0.00	0.00	0.00	0.00
218	10.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00
219	10.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.70	0.00	0.00	0.00	0.00
220	10.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.66	0.00	0.00	0.00	0.00
221	10.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.62	0.00	0.00	0.00	0.00
222	10.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.58	0.00	0.00	0.00	0.00
223	10.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00
224	10.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.49	0.00	0.00	0.00	0.00
225	10.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00
226	9.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.41	0.00	0.00	0.00	0.00
227	9.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.36	0.00	0.00	0.00	0.00
228	9.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.32	0.00	0.00	0.00	0.00
229	9.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.28	0.00	0.00	0.00	0.00
230	9.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.24	0.00	0.00	0.00	0.00
231	9.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.19	0.00	0.00	0.00	0.00
232	9.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.15	0.00	0.00	0.00	0.00

233	9.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.11	0.00	0.00	0.00	0.00
234	9.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.07	0.00	0.00	0.00	0.00
235	9.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.02	0.00	0.00	0.00	0.00
236	8.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.98	0.00	0.00	0.00	0.00
237	8.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.94	0.00	0.00	0.00	0.00
238	8.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.90	0.00	0.00	0.00	0.00
239	8.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.85	0.00	0.00	0.00	0.00
240	8.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.81	0.00	0.00	0.00	0.00
241	8.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.77	0.00	0.00	0.00	0.00
242	8.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00
243	8.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.68	0.00	0.00	0.00	0.00
244	8.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.64	0.00	0.00	0.00	0.00
245	8.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00
246	7.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.56	0.00	0.00	0.00	0.00
247	7.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.51	0.00	0.00	0.00	0.00
248	7.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.47	0.00	0.00	0.00	0.00
249	7.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.43	0.00	0.00	0.00	0.00
250	7.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.39	0.00	0.00	0.00	0.00
251	7.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.34	0.00	0.00	0.00	0.00
252	7.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.30	0.00	0.00	0.00	0.00
253	7.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.26	0.00	0.00	0.00	0.00
254	7.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.22	0.00	0.00	0.00	0.00
255	7.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.17	0.00	0.00	0.00	0.00
256	6.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.13	0.00	0.00	0.00	0.00
257	6.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.09	0.00	0.00	0.00	0.00
258	6.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.05	0.00	0.00	0.00	0.00
259	6.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.01	0.00	0.00	0.00	0.00
260	6.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.96	0.00	0.00	0.00	0.00
261	6.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.92	0.00	0.00	0.00	0.00
262	6.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00
263	6.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.84	0.00	0.00	0.00	0.00
264	6.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.79	0.00	0.00	0.00	0.00
265	6.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.75	0.00	0.00	0.00	0.00
266	5.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.71	0.00	0.00	0.00	0.00
267	5.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.67	0.00	0.00	0.00	0.00
268	5.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.62	0.00	0.00	0.00	0.00
269	5.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.58	0.00	0.00	0.00	0.00
270	5.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.54	0.00	0.00	0.00	0.00
271	5.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.50	0.00	0.00	0.00	0.00
272	5.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.45	0.00	0.00	0.00	0.00
273	5.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.41	0.00	0.00	0.00	0.00
274	5.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.37	0.00	0.00	0.00	0.00
275	5.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.33	0.00	0.00	0.00	0.00
276	4.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.28	0.00	0.00	0.00	0.00
277	4.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.24	0.00	0.00	0.00	0.00
278	4.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.20	0.00	0.00	0.00	0.00
279	4.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00
280	4.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00
281	4.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.07	0.00	0.00	0.00	0.00
282	4.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.03	0.00	0.00	0.00	0.00

283	4.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.99	0.00	0.00	0.00	0.00
284	4.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00
285	4.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.90	0.00	0.00	0.00	0.00
286	3.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
287	3.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.82	0.00	0.00	0.00	0.00
288	3.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.78	0.00	0.00	0.00	0.00
289	3.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00
290	3.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.69	0.00	0.00	0.00	0.00
291	3.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00
292	3.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.61	0.00	0.00	0.00	0.00
293	3.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00
294	3.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.52	0.00	0.00	0.00	0.00
295	3.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00
296	2.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00
297	2.800	7.25	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	0.03	0.00	0.50	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00
298	2.700	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	0.03	0.00	0.49	0.00	0.00	0.00	4.12	0.00	0.00	0.00	0.00
299	2.600	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00
300	2.500	7.27	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.81	0.00	0.00	0.00	0.00
301	2.400	7.28	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.51	1.51	0.03	0.00	0.48	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00
302	2.300	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.50	0.00	0.00	0.00	0.00
303	2.200	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.35	0.00	0.00	0.00	0.00
304	2.100	7.30	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.47	0.00	0.00	0.00	3.19	0.00	0.00	0.00	0.00
305	2.000	7.31	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.47	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
306	1.900	7.32	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.46	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
307	1.800	7.32	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.03	0.00	0.46	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
308	1.700	7.33	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	0.03	0.00	0.46	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
309	1.600	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	0.03	0.00	0.45	0.00	0.00	0.00	2.44	0.00	0.00	0.00	0.00
310	1.500	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.03	0.00	0.45	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00
311	1.400	7.35	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.03	0.00	0.44	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
312	1.300	7.36	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.45	1.45	0.03	0.00	0.44	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
313	1.200	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.03	0.00	0.44	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
314	1.100	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	0.03	0.00	0.43	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
315	1.000	7.38	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	0.03	0.00	0.43	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00
316	0.900	7.39	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	0.03	0.00	0.42	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
317	0.800	7.40	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.42	1.42	0.03	0.00	0.42	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
318	0.700	7.40	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.42	1.42	0.02	0.00	0.41	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
319	0.600	7.41	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	0.02	0.00	0.40	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
320	0.500	7.42	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	0.02	0.00	0.40	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00
321	0.400	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	0.02	0.00	0.39	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00
322	0.300	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	0.02	0.00	0.39	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
323	0.200	7.44	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	0.02	0.00	0.38	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00
324	0.100	7.45	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	0.02	0.00	0.37	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
325	0.000	7.46	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.38	1.38	0.02	0.00	0.37	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00

SPECIAL REPORT: Fourmile Bayou Oxbow

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 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 SETT	NCM
56	4.100	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.19	7.19	0.03	0.00	0.58	0.00	0.00	0.00	8.84	0.00	0.00	0.00	0.00
57	4.000	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.18	7.18	0.03	0.00	0.57	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00

58	3.900	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.17	7.17	0.03	0.00	0.57	0.00	0.00	0.00	8.53	0.00	0.00	0.00	0.00
59	3.800	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.16	7.16	0.03	0.00	0.56	0.00	0.00	0.00	8.37	0.00	0.00	0.00	0.00
60	3.700	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.15	7.15	0.03	0.00	0.55	0.00	0.00	0.00	8.22	0.00	0.00	0.00	0.00
61	3.600	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.13	7.13	0.03	0.00	0.53	0.00	0.00	0.00	8.06	0.00	0.00	0.00	0.00
62	3.500	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.12	7.12	0.03	0.00	0.52	0.00	0.00	0.00	7.91	0.00	0.00	0.00	0.00
63	3.400	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.11	7.11	0.03	0.00	0.51	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00
64	3.300	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.10	7.10	0.03	0.00	0.49	0.00	0.00	0.00	7.60	0.00	0.00	0.00	0.00
65	3.200	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.09	7.09	0.03	0.00	0.47	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00
66	3.100	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.08	7.08	0.03	0.00	0.45	0.00	0.00	0.00	7.29	0.00	0.00	0.00	0.00
67	3.000	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.07	7.07	0.03	0.00	0.42	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00
68	2.900	7.11	0.36	0.38	0.00	0.00	0.00	0.00	0.00	7.06	6.83	0.03	0.00	0.37	0.00	0.00	0.00	6.99	0.00	0.00	0.00	0.00
69	2.800	7.12	0.36	0.34	0.00	0.00	0.00	0.00	0.00	7.05	6.06	0.03	0.00	0.23	0.00	0.00	0.00	6.84	0.00	0.00	0.00	0.00
70	2.700	7.12	0.36	0.31	0.00	0.00	0.00	0.00	0.00	7.04	5.53	0.03	0.00	0.17	0.00	0.00	0.00	6.69	0.00	0.00	0.00	0.00
71	2.600	7.12	0.36	0.29	0.00	0.00	0.00	0.00	0.00	7.03	5.15	0.03	0.00	0.13	0.00	0.00	0.00	6.53	0.00	0.00	0.00	0.00
72	2.500	7.12	0.36	0.27	0.00	0.00	0.00	0.00	0.00	7.02	4.87	0.03	0.00	0.10	0.00	0.00	0.00	6.38	0.00	0.00	0.00	0.00
73	2.400	7.13	0.36	0.26	0.00	0.00	0.00	0.00	0.00	7.01	4.64	0.03	0.00	0.09	0.00	0.00	0.00	6.23	0.00	0.00	0.00	0.00
74	2.300	7.13	0.36	0.25	0.00	0.00	0.00	0.00	0.00	7.00	4.46	0.03	0.00	0.07	0.00	0.00	0.00	6.08	0.00	0.00	0.00	0.00
75	2.200	7.13	0.36	0.24	0.00	0.00	0.00	0.00	0.00	6.99	4.30	0.03	0.00	0.06	0.00	0.00	0.00	5.93	0.00	0.00	0.00	0.00
76	2.100	7.14	0.36	0.23	0.00	0.00	0.00	0.00	0.00	6.98	4.16	0.03	0.00	0.06	0.00	0.00	0.00	5.78	0.00	0.00	0.00	0.00
77	2.000	7.14	0.36	0.22	0.00	0.00	0.00	0.00	0.00	6.97	4.03	0.03	0.00	0.05	0.00	0.00	0.00	5.63	0.00	0.00	0.00	0.00
78	1.900	7.14	0.36	0.22	0.00	0.00	0.00	0.00	0.00	6.96	3.90	0.03	0.00	0.05	0.00	0.00	0.00	5.48	0.00	0.00	0.00	0.00
79	1.800	7.14	0.36	0.21	0.00	0.00	0.00	0.00	0.00	6.94	3.79	0.03	0.00	0.04	0.00	0.00	0.00	5.34	0.00	0.00	0.00	0.00
80	1.700	7.15	0.36	0.20	0.00	0.00	0.00	0.00	0.00	6.93	3.67	0.03	0.00	0.04	0.00	0.00	0.00	5.19	0.00	0.00	0.00	0.00
81	1.600	7.15	0.36	0.20	0.00	0.00	0.00	0.00	0.00	6.92	3.56	0.03	0.00	0.03	0.00	0.00	0.00	5.04	0.00	0.00	0.00	0.00
82	1.500	7.15	0.36	0.19	0.00	0.00	0.00	0.00	0.00	6.91	3.45	0.03	0.00	0.03	0.00	0.00	0.00	4.89	0.00	0.00	0.00	0.00
83	1.400	7.15	0.36	0.19	0.00	0.00	0.00	0.00	0.00	6.90	3.35	0.03	0.00	0.03	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00
84	1.300	7.16	0.36	0.18	0.00	0.00	0.00	0.00	0.00	6.89	3.25	0.03	0.00	0.02	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00
85	1.200	7.16	0.36	0.18	0.00	0.00	0.00	0.00	0.00	6.88	3.14	0.03	0.00	0.02	0.00	0.00	0.00	4.45	0.00	0.00	0.00	0.00
86	1.100	7.16	0.36	0.17	0.00	0.00	0.00	0.00	0.00	6.87	3.05	0.03	0.00	0.02	0.00	0.00	0.00	4.30	0.00	0.00	0.00	0.00
87	1.000	7.17	0.36	0.16	0.00	0.00	0.00	0.00	0.00	6.86	2.95	0.03	0.00	0.02	0.00	0.00	0.00	4.16	0.00	0.00	0.00	0.00
88	0.900	7.17	0.36	0.16	0.00	0.00	0.00	0.00	0.00	6.85	2.85	0.03	0.00	0.01	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
89	0.800	7.17	0.35	0.15	0.00	0.00	0.00	0.00	0.00	6.84	2.76	0.03	0.00	0.01	0.00	0.00	0.00	3.87	0.00	0.00	0.00	0.00
90	0.700	7.18	0.35	0.15	0.00	0.00	0.00	0.00	0.00	6.83	2.66	0.03	0.00	0.01	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00
91	0.600	7.18	0.35	0.14	0.00	0.00	0.00	0.00	0.00	6.82	2.57	0.03	0.00	0.01	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00
92	0.500	7.18	0.35	0.14	0.00	0.00	0.00	0.00	0.00	6.81	2.48	0.03	0.00	0.01	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00
93	0.400	7.18	0.35	0.13	0.00	0.00	0.00	0.00	0.00	6.80	2.40	0.03	0.00	0.01	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00
94	0.300	7.19	0.35	0.13	0.00	0.00	0.00	0.00	0.00	6.79	2.32	0.03	0.00	0.01	0.00	0.00	0.00	3.14	0.00	0.00	0.00	0.00
95	0.200	7.19	0.35	0.13	0.00	0.00	0.00	0.00	0.00	6.78	2.25	0.03	0.00	0.01	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
96	0.100	7.19	0.35	0.13	0.00	0.00	0.00	0.00	0.00	6.77	2.31	0.03	0.00	0.01	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
97	0.000	7.20	0.35	0.18	0.00	0.00	0.00	0.00	0.00	6.76	3.17	0.03	0.00	0.02	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 1 Grassy Lake Baseline Simulation for Lake Verret and Grassy Lake 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
1	HDWTR	20.23333	30.00	0.00	0.00	0.00	6.70	23.50	0.00	23.50	0.00	1.60	0.10	0.04	0.00	100.00	0.00	0.00
26	WSTLD	-2.93333	33.69	0.00	0.00	0.00	6.42	23.73	0.00	23.73	0.00	1.94	0.09	0.00	0.00	96.29	0.00	0.00

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

ELEM	BEGIN	ENDING	FLOW	PCT	ADVCTV	TRAVEL	DEPTH	WIDTH	VOLUME	SURFACE	X-SECT	TIDAL	TIDAL	DISPRSN	MEAN

NO.	DIST km	DIST km	EFF m³/s	VELO m/s	TIME days	m	m	m³	AREA m²	AREA m²	PRISM m³	VELO m/s	VELO m²/s	m/s		
1	28.30	28.20	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
2	28.20	28.10	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
3	28.10	28.00	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
4	28.00	27.90	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
5	27.90	27.80	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
6	27.80	27.70	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
7	27.70	27.60	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
8	27.60	27.50	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
9	27.50	27.40	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
10	27.40	27.30	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
11	27.30	27.20	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
12	27.20	27.10	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
13	27.10	27.00	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
14	27.00	26.90	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
15	26.90	26.80	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
16	26.80	26.70	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
17	26.70	26.60	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
18	26.60	26.50	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
19	26.50	26.40	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
20	26.40	26.30	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
21	26.30	26.20	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
22	26.20	26.10	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
23	26.10	26.00	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
24	26.00	25.90	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
25	25.90	25.80	20.23333	0.0	0.01492	0.08	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.015
26	25.80	25.70	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
27	25.70	25.60	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
28	25.60	25.50	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
29	25.50	25.40	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
30	25.40	25.30	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
31	25.30	25.20	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
32	25.20	25.10	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
33	25.10	25.00	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
34	25.00	24.90	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
35	24.90	24.80	17.30000	0.0	0.01275	0.09	1.01	1343.00	135643.00	134300.00	1356.43	0.00	0.000	0.500	0.013
TOT					2.85				4747505.00	4700500.00					
AVG				0.0142			1.01	1343.00			1356.43				
CUM					2.85										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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		
1	28.200	7.17	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.03	0.00	0.55	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	
2	28.100	7.17	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.03	0.00	0.56	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	
3	28.000	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.60	1.60	1.60	0.03	0.00	0.56	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	
4	27.900	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00	
5	27.800	7.16	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00	
6	27.700	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00	

7	27.600	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
8	27.500	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
9	27.400	7.15	0.94	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
10	27.300	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
11	27.200	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.62	1.62	1.62	0.03	0.00	0.56	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
12	27.100	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.56	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
13	27.000	7.14	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
14	26.900	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
15	26.800	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
16	26.700	7.13	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	0.03	0.00	0.57	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
17	26.600	7.12	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.64	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
18	26.500	7.12	0.95	0.33	0.00	0.00	0.00	0.00	0.00	1.64	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
19	26.400	7.12	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.64	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
20	26.300	7.12	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.64	1.64	1.64	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
21	26.200	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
22	26.100	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
23	26.000	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
24	25.900	7.11	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.65	1.65	1.65	0.03	0.00	0.57	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
25	25.800	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.03	0.00	0.57	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
26	25.700	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
27	25.600	7.10	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
28	25.500	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.66	1.66	1.66	0.03	0.00	0.58	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
29	25.400	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00
30	25.300	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
31	25.200	7.09	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
32	25.100	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00
33	25.000	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	0.03	0.00	0.58	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
34	24.900	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.68	1.68	1.68	0.03	0.00	0.58	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
35	24.800	7.08	0.95	0.34	0.00	0.00	0.00	0.00	0.00	1.68	1.68	1.68	0.03	0.00	0.58	0.00	0.00	0.00	8.99	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.74	0.18	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/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
1	28.200	33.12	0.00	0.00	0.00	6.70	23.53	0.00	23.53	0.00	1.62	0.10	0.01	1.72	0.00	99.86	0.00	0.	0.00
2	28.100	33.15	0.00	0.00	0.00	6.70	23.55	0.00	23.55	0.00	1.63	0.10	0.00	1.73	0.00	99.71	0.00	0.	0.00
3	28.000	33.17	0.00	0.00	0.00	6.70	23.56	0.00	23.56	0.00	1.64	0.10	0.00	1.74	0.00	99.57	0.00	0.	0.00
4	27.900	33.19	0.00	0.00	0.00	6.69	23.58	0.00	23.58	0.00	1.66	0.10	0.00	1.75	0.00	99.43	0.00	0.	0.00
5	27.800	33.21	0.00	0.00	0.00	6.69	23.60	0.00	23.60	0.00	1.67	0.10	0.00	1.76	0.00	99.29	0.00	0.	0.00
6	27.700	33.24	0.00	0.00	0.00	6.68	23.61	0.00	23.61	0.00	1.68	0.09	0.00	1.78	0.00	99.14	0.00	0.	0.00
7	27.600	33.26	0.00	0.00	0.00	6.67	23.63	0.00	23.63	0.00	1.70	0.09	0.00	1.79	0.00	99.00	0.00	0.	0.00
8	27.500	33.28	0.00	0.00	0.00	6.66	23.64	0.00	23.64	0.00	1.71	0.09	0.00	1.80	0.00	98.86	0.00	0.	0.00
9	27.400	33.31	0.00	0.00	0.00	6.65	23.65	0.00	23.65	0.00	1.72	0.09	0.00	1.81	0.00	98.71	0.00	0.	0.00
10	27.300	33.33	0.00	0.00	0.00	6.65	23.66	0.00	23.66	0.00	1.73	0.09	0.00	1.83	0.00	98.57	0.00	0.	0.00
11	27.200	33.35	0.00	0.00	0.00	6.63	23.67	0.00	23.67	0.00	1.75	0.09	0.00	1.84	0.00	98.43	0.00	0.	0.00
12	27.100	33.37	0.00	0.00	0.00	6.62	23.68	0.00	23.68	0.00	1.76	0.09	0.00	1.85	0.00	98.29	0.00	0.	0.00
13	27.000	33.40	0.00	0.00	0.00	6.61	23.69	0.00	23.69	0.00	1.77	0.09	0.00	1.86	0.00	98.14	0.00	0.	0.00
14	26.900	33.42	0.00	0.00	0.00	6.60	23.70	0.00	23.70	0.00	1.78	0.09	0.00	1.88	0.00	98.00	0.00	0.	0.00
15	26.800	33.44	0.00	0.00	0.00	6.59	23.71	0.00	23.71	0.00	1.80	0.09	0.00	1.89	0.00	97.86	0.00	0.	0.00

16	26.700	33.47	0.00	0.00	0.00	6.57	23.71	0.00	23.71	0.00	1.81	0.09	0.00	1.90	0.00	97.71	0.00	0.	0.00
17	26.600	33.49	0.00	0.00	0.00	6.56	23.72	0.00	23.72	0.00	1.82	0.09	0.00	1.91	0.00	97.57	0.00	0.	0.00
18	26.500	33.51	0.00	0.00	0.00	6.55	23.72	0.00	23.72	0.00	1.84	0.09	0.00	1.93	0.00	97.43	0.00	0.	0.00
19	26.400	33.53	0.00	0.00	0.00	6.53	23.73	0.00	23.73	0.00	1.85	0.09	0.00	1.94	0.00	97.29	0.00	0.	0.00
20	26.300	33.56	0.00	0.00	0.00	6.52	23.73	0.00	23.73	0.00	1.86	0.09	0.00	1.95	0.00	97.14	0.00	0.	0.00
21	26.200	33.58	0.00	0.00	0.00	6.50	23.73	0.00	23.73	0.00	1.87	0.09	0.00	1.96	0.00	97.00	0.00	0.	0.00
22	26.100	33.60	0.00	0.00	0.00	6.49	23.73	0.00	23.73	0.00	1.89	0.09	0.00	1.97	0.00	96.86	0.00	0.	0.00
23	26.000	33.63	0.00	0.00	0.00	6.47	23.73	0.00	23.73	0.00	1.90	0.09	0.00	1.99	0.00	96.71	0.00	0.	0.00
24	25.900	33.65	0.00	0.00	0.00	6.46	23.73	0.00	23.73	0.00	1.91	0.09	0.00	2.00	0.00	96.57	0.00	0.	0.00
25	25.800	33.67	0.00	0.00	0.00	6.44	23.73	0.00	23.73	0.00	1.92	0.09	0.00	2.01	0.00	96.43	0.00	0.	0.00
26	25.700	33.69	0.00	0.00	0.00	6.42	23.73	0.00	23.73	0.00	1.94	0.09	0.00	2.03	0.00	96.29	0.00	0.	0.00
27	25.600	33.72	0.00	0.00	0.00	6.41	23.73	0.00	23.73	0.00	1.95	0.09	0.00	2.04	0.00	96.14	0.00	0.	0.00
28	25.500	33.74	0.00	0.00	0.00	6.39	23.73	0.00	23.73	0.00	1.97	0.09	0.00	2.05	0.00	96.00	0.00	0.	0.00
29	25.400	33.76	0.00	0.00	0.00	6.37	23.73	0.00	23.73	0.00	1.98	0.09	0.00	2.07	0.00	95.86	0.00	0.	0.00
30	25.300	33.79	0.00	0.00	0.00	6.35	23.72	0.00	23.72	0.00	1.99	0.09	0.00	2.08	0.00	95.71	0.00	0.	0.00
31	25.200	33.81	0.00	0.00	0.00	6.33	23.72	0.00	23.72	0.00	2.01	0.09	0.00	2.10	0.00	95.57	0.00	0.	0.00
32	25.100	33.83	0.00	0.00	0.00	6.32	23.71	0.00	23.71	0.00	2.02	0.09	0.00	2.11	0.00	95.43	0.00	0.	0.00
33	25.000	33.85	0.00	0.00	0.00	6.30	23.71	0.00	23.71	0.00	2.04	0.09	0.00	2.13	0.00	95.29	0.00	0.	0.00
34	24.900	33.88	0.00	0.00	0.00	6.28	23.70	0.00	23.70	0.00	2.05	0.09	0.00	2.14	0.00	95.14	0.00	0.	0.00
35	24.800	33.90	0.00	0.00	0.00	6.25	23.71	0.00	23.71	0.00	2.07	0.09	0.00	2.15	0.00	95.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 2 Fourmile Bayou 1 Baseline Simulation for Lake Verret and Grassy Lake 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
36	UPR RCH	17.30000	33.90	0.00	0.00	0.00	6.25	23.71	0.00	23.71	0.00	2.07	0.09	0.00	0.00	95.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW EFF m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	AREA m²	AREA m³	PRISM m/s	SURFACE VELO m²/s	X-SECT m/s	TIDAL VELO	TIDAL	DISPRSN	MEAN
36	24.80	24.70	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
37	24.70	24.60	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
38	24.60	24.50	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
39	24.50	24.40	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
40	24.40	24.30	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
41	24.30	24.20	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
42	24.20	24.10	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
43	24.10	24.00	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
44	24.00	23.90	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
45	23.90	23.80	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
46	23.80	23.70	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
47	23.70	23.60	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
48	23.60	23.50	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
49	23.50	23.40	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
50	23.40	23.30	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
51	23.30	23.20	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
52	23.20	23.10	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
53	23.10	23.00	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
54	23.00	22.90	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			
55	22.90	22.80	17.30000	0.0	0.03086	0.04	5.24	107.00	56068.00	10700.00	560.68	0.00	0.000	0.400	0.031			

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TOT                                  0.75          1121360.00  214000.00
AVG                            0.0309        5.24  107.00              560.68
CUM                                  3.60
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR  ORGN ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI  NCM   NCM
NO.   DIST  D.O.   RATE  DECAY SETT DECAY DECAY SETT DECAY  SOD  SOD  SOD DECAY SETT DECAY SRCE  RATE SRCE PROD PROD DECAY DECAY  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
 36  24.700 7.08   0.17  0.40 0.00  0.00  0.00 0.00  0.00 7.18 7.18 7.18  0.03 0.00  0.58 0.00  0.00 0.00 8.67 0.00  0.00  0.00  0.00
 37  24.600 7.09   0.17  0.40 0.00  0.00  0.00 0.00  0.00 7.15 7.15 7.15  0.03 0.00  0.57 0.00  0.00 0.00 8.34 0.00  0.00  0.00  0.00
 38  24.500 7.09   0.17  0.39 0.00  0.00  0.00 0.00  0.00 7.13 7.13 7.13  0.03 0.00  0.57 0.00  0.00 0.00 8.02 0.00  0.00  0.00  0.00
 39  24.400 7.10   0.17  0.39 0.00  0.00  0.00 0.00  0.00 7.11 7.11 7.11  0.03 0.00  0.57 0.00  0.00 0.00 7.69 0.00  0.00  0.00  0.00
 40  24.300 7.11   0.17  0.39 0.00  0.00  0.00 0.00  0.00 7.09 7.09 7.09  0.03 0.00  0.56 0.00  0.00 0.00 7.37 0.00  0.00  0.00  0.00
 41  24.200 7.11   0.17  0.39 0.00  0.00  0.00 0.00  0.00 7.06 7.06 7.06  0.03 0.00  0.55 0.00  0.00 0.00 7.05 0.00  0.00  0.00  0.00
 42  24.100 7.12   0.17  0.39 0.00  0.00  0.00 0.00  0.00 7.04 7.04 7.04  0.03 0.00  0.55 0.00  0.00 0.00 6.73 0.00  0.00  0.00  0.00
 43  24.000 7.12   0.17  0.39 0.00  0.00  0.00 0.00  0.00 7.02 7.02 7.02  0.03 0.00  0.54 0.00  0.00 0.00 6.41 0.00  0.00  0.00  0.00
 44  23.900 7.13   0.17  0.39 0.00  0.00  0.00 0.00  0.00 7.00 7.00 7.00  0.03 0.00  0.54 0.00  0.00 0.00 6.10 0.00  0.00  0.00  0.00
 45  23.800 7.14   0.17  0.39 0.00  0.00  0.00 0.00  0.00 6.98 6.98 6.98  0.03 0.00  0.53 0.00  0.00 0.00 5.78 0.00  0.00  0.00  0.00
 46  23.700 7.14   0.17  0.39 0.00  0.00  0.00 0.00  0.00 6.95 6.95 6.95  0.03 0.00  0.52 0.00  0.00 0.00 5.47 0.00  0.00  0.00  0.00
 47  23.600 7.15   0.17  0.39 0.00  0.00  0.00 0.00  0.00 6.93 6.93 6.93  0.03 0.00  0.52 0.00  0.00 0.00 5.16 0.00  0.00  0.00  0.00
 48  23.500 7.15   0.17  0.39 0.00  0.00  0.00 0.00  0.00 6.91 6.91 6.91  0.03 0.00  0.51 0.00  0.00 0.00 4.85 0.00  0.00  0.00  0.00
 49  23.400 7.16   0.17  0.39 0.00  0.00  0.00 0.00  0.00 6.89 6.89 6.89  0.03 0.00  0.50 0.00  0.00 0.00 4.54 0.00  0.00  0.00  0.00
 50  23.300 7.16   0.17  0.38 0.00  0.00  0.00 0.00  0.00 6.87 6.87 6.87  0.03 0.00  0.49 0.00  0.00 0.00 4.23 0.00  0.00  0.00  0.00
 51  23.200 7.17   0.17  0.38 0.00  0.00  0.00 0.00  0.00 6.85 6.85 6.85  0.03 0.00  0.48 0.00  0.00 0.00 3.92 0.00  0.00  0.00  0.00
 52  23.100 7.18   0.17  0.38 0.00  0.00  0.00 0.00  0.00 6.82 6.82 6.82  0.03 0.00  0.47 0.00  0.00 0.00 3.62 0.00  0.00  0.00  0.00
 53  23.000 7.18   0.17  0.38 0.00  0.00  0.00 0.00  0.00 6.80 6.80 6.80  0.03 0.00  0.45 0.00  0.00 0.00 3.32 0.00  0.00  0.00  0.00
 54  22.900 7.19   0.17  0.38 0.00  0.00  0.00 0.00  0.00 6.78 6.78 6.78  0.03 0.00  0.44 0.00  0.00 0.00 3.01 0.00  0.00  0.00  0.00
 55  22.800 7.20   0.17  0.38 0.00  0.00  0.00 0.00  0.00 6.76 6.76 6.76  0.03 0.00  0.42 0.00  0.00 0.00 2.71 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.13  0.21 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/m²/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/m³ #/100mL
 36  24.700 33.85 0.00    0.00    0.00 6.18 23.75 0.00 23.75 0.00 2.09 0.09 0.00 2.18 0.00 91.75 0.00    0.  0.00
 37  24.600 33.80 0.00    0.00    0.00 6.08 23.80 0.00 23.80 0.00 2.11 0.09 0.00 2.20 0.00 88.50 0.00    0.  0.00
 38  24.500 33.75 0.00    0.00    0.00 5.97 23.85 0.00 23.85 0.00 2.14 0.09 0.00 2.23 0.00 85.25 0.00    0.  0.00
 39  24.400 33.70 0.00    0.00    0.00 5.86 23.90 0.00 23.90 0.00 2.16 0.09 0.00 2.25 0.00 82.00 0.00    0.  0.00
 40  24.300 33.65 0.00    0.00    0.00 5.73 23.94 0.00 23.94 0.00 2.19 0.09 0.00 2.28 0.00 78.75 0.00    0.  0.00
 41  24.200 33.60 0.00    0.00    0.00 5.59 23.99 0.00 23.99 0.00 2.21 0.09 0.00 2.30 0.00 75.50 0.00    0.  0.00
 42  24.100 33.55 0.00    0.00    0.00 5.44 24.04 0.00 24.04 0.00 2.24 0.09 0.00 2.33 0.00 72.25 0.00    0.  0.00
 43  24.000 33.50 0.00    0.00    0.00 5.28 24.09 0.00 24.09 0.00 2.26 0.09 0.00 2.35 0.00 69.00 0.00    0.  0.00
 44  23.900 33.45 0.00    0.00    0.00 5.11 24.14 0.00 24.14 0.00 2.28 0.09 0.00 2.38 0.00 65.75 0.00    0.  0.00
 45  23.800 33.40 0.00    0.00    0.00 4.93 24.19 0.00 24.19 0.00 2.31 0.09 0.00 2.40 0.00 62.50 0.00    0.  0.00
 46  23.700 33.35 0.00    0.00    0.00 4.74 24.24 0.00 24.24 0.00 2.33 0.09 0.00 2.43 0.00 59.25 0.00    0.  0.00
 47  23.600 33.30 0.00    0.00    0.00 4.54 24.29 0.00 24.29 0.00 2.36 0.09 0.00 2.45 0.00 56.00 0.00    0.  0.00
 48  23.500 33.25 0.00    0.00    0.00 4.33 24.33 0.00 24.33 0.00 2.38 0.09 0.00 2.48 0.00 52.75 0.00    0.  0.00
 49  23.400 33.20 0.00    0.00    0.00 4.11 24.38 0.00 24.38 0.00 2.41 0.09 0.00 2.50 0.00 49.50 0.00    0.  0.00
 50  23.300 33.15 0.00    0.00    0.00 3.87 24.43 0.00 24.43 0.00 2.43 0.10 0.00 2.53 0.00 46.25 0.00    0.  0.00
 51  23.200 33.10 0.00    0.00    0.00 3.63 24.48 0.00 24.48 0.00 2.46 0.10 0.00 2.55 0.00 43.00 0.00    0.  0.00
 52  23.100 33.05 0.00    0.00    0.00 3.39 24.53 0.00 24.53 0.00 2.48 0.10 0.00 2.58 0.00 39.75 0.00    0.  0.00
 53  23.000 33.00 0.00    0.00    0.00 3.13 24.58 0.00 24.58 0.00 2.50 0.10 0.00 2.60 0.00 36.50 0.00    0.  0.00
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54	22.900	32.95	0.00	0.00	0.00	2.86	24.65	0.00	24.65	0.00	2.53	0.10	0.00	2.63	0.00	33.25	0.00	0.	0.00
55	22.800	32.90	0.00	0.00	0.00	2.58	24.83	0.00	24.83	0.00	2.57	0.10	0.00	2.68	0.00	30.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 4 Fourmile Bayou 2 Baseline Simulation for Lake Verret and Grassy Lake 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
98	UPR RCH	17.30000	32.90	0.00	0.00	0.00	2.58	24.83	0.00	24.83	0.00	2.57	0.10	0.00	0.00	30.00	0.00	0.00
98	TRIB	2.93333	32.90	0.00	0.00	0.00	0.94	34.59	0.00	34.59	0.00	4.02	0.26	0.00	0.00	30.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW EFF m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	TIDAL PRISM m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN VELO
98	22.80	22.70	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
99	22.70	22.60	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
100	22.60	22.50	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
101	22.50	22.40	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
102	22.40	22.30	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
103	22.30	22.20	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
104	22.20	22.10	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
105	22.10	22.00	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
106	22.00	21.90	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
107	21.90	21.80	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
108	21.80	21.70	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
109	21.70	21.60	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
110	21.60	21.50	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
111	21.50	21.40	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
112	21.40	21.30	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
113	21.30	21.20	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
114	21.20	21.10	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
115	21.10	21.00	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
116	21.00	20.90	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
117	20.90	20.80	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
118	20.80	20.70	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
119	20.70	20.60	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
120	20.60	20.50	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
121	20.50	20.40	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
122	20.40	20.30	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
123	20.30	20.20	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
124	20.20	20.10	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
125	20.10	20.00	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
126	20.00	19.90	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
127	19.90	19.80	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
128	19.80	19.70	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
129	19.70	19.60	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
130	19.60	19.50	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
131	19.50	19.40	20.23333	0.0	0.05298	0.02	4.39	87.00	38193.00	8700.00	381.93	0.00	0.000	0.200	0.053
TOT					0.74			1298562.00	295800.00						
AVG			0.0530				4.39	87.00			381.93				
CUM					4.34										

********** 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	
98	22.700	7.20	0.20	0.38	0.00	0.00	0.00	0.00	0.00	6.76	6.76	6.76	0.03	0.00	0.39	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00
99	22.600	7.20	0.20	0.37	0.00	0.00	0.00	0.00	0.00	6.76	6.76	6.60	0.03	0.00	0.36	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00
100	22.500	7.20	0.20	0.34	0.00	0.00	0.00	0.00	0.00	6.76	6.76	6.13	0.03	0.00	0.27	0.00	0.00	0.00	3.27	0.00	0.00	0.00	0.00
101	22.400	7.20	0.20	0.32	0.00	0.00	0.00	0.00	0.00	6.75	6.75	5.73	0.03	0.00	0.21	0.00	0.00	0.00	3.46	0.00	0.00	0.00	0.00
102	22.300	7.20	0.20	0.30	0.00	0.00	0.00	0.00	0.00	6.75	6.75	5.38	0.03	0.00	0.17	0.00	0.00	0.00	3.64	0.00	0.00	0.00	0.00
103	22.200	7.20	0.20	0.29	0.00	0.00	0.00	0.00	0.00	6.75	6.75	5.09	0.03	0.00	0.13	0.00	0.00	0.00	3.83	0.00	0.00	0.00	0.00
104	22.100	7.20	0.20	0.27	0.00	0.00	0.00	0.00	0.00	6.75	6.75	4.85	0.03	0.00	0.11	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
105	22.000	7.20	0.20	0.26	0.00	0.00	0.00	0.00	0.00	6.75	6.75	4.64	0.03	0.00	0.09	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00
106	21.900	7.20	0.20	0.25	0.00	0.00	0.00	0.00	0.00	6.75	6.75	4.48	0.03	0.00	0.08	0.00	0.00	0.00	4.38	0.00	0.00	0.00	0.00
107	21.800	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.75	6.75	4.34	0.03	0.00	0.07	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00
108	21.700	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.75	6.75	4.23	0.03	0.00	0.07	0.00	0.00	0.00	4.75	0.00	0.00	0.00	0.00
109	21.600	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.74	6.74	4.14	0.03	0.00	0.06	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00
110	21.500	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.74	6.74	4.07	0.03	0.00	0.06	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00
111	21.400	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.74	6.74	4.03	0.03	0.00	0.06	0.00	0.00	0.00	5.31	0.00	0.00	0.00	0.00
112	21.300	7.20	0.20	0.22	0.00	0.00	0.00	0.00	0.00	6.74	6.74	4.00	0.03	0.00	0.05	0.00	0.00	0.00	5.49	0.00	0.00	0.00	0.00
113	21.200	7.20	0.20	0.22	0.00	0.00	0.00	0.00	0.00	6.74	6.74	3.98	0.03	0.00	0.05	0.00	0.00	0.00	5.68	0.00	0.00	0.00	0.00
114	21.100	7.20	0.20	0.22	0.00	0.00	0.00	0.00	0.00	6.74	6.74	3.98	0.03	0.00	0.05	0.00	0.00	0.00	5.86	0.00	0.00	0.00	0.00
115	21.000	7.20	0.20	0.22	0.00	0.00	0.00	0.00	0.00	6.74	6.74	3.98	0.03	0.00	0.05	0.00	0.00	0.00	6.05	0.00	0.00	0.00	0.00
116	20.900	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.74	6.74	4.00	0.03	0.00	0.05	0.00	0.00	0.00	6.23	0.00	0.00	0.00	0.00
117	20.800	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.73	6.73	4.03	0.03	0.00	0.06	0.00	0.00	0.00	6.42	0.00	0.00	0.00	0.00
118	20.700	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.73	6.73	4.06	0.03	0.00	0.06	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00
119	20.600	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.73	6.73	4.10	0.03	0.00	0.06	0.00	0.00	0.00	6.79	0.00	0.00	0.00	0.00
120	20.500	7.20	0.20	0.23	0.00	0.00	0.00	0.00	0.00	6.73	6.73	4.15	0.03	0.00	0.06	0.00	0.00	0.00	6.97	0.00	0.00	0.00	0.00
121	20.400	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.73	6.73	4.20	0.03	0.00	0.07	0.00	0.00	0.00	7.16	0.00	0.00	0.00	0.00
122	20.300	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.73	6.73	4.25	0.03	0.00	0.07	0.00	0.00	0.00	7.34	0.00	0.00	0.00	0.00
123	20.200	7.20	0.20	0.24	0.00	0.00	0.00	0.00	0.00	6.73	6.73	4.31	0.03	0.00	0.07	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00
124	20.100	7.20	0.20	0.25	0.00	0.00	0.00	0.00	0.00	6.73	6.73	4.37	0.03	0.00	0.08	0.00	0.00	0.00	7.71	0.00	0.00	0.00	0.00
125	20.000	7.20	0.20	0.25	0.00	0.00	0.00	0.00	0.00	6.72	6.72	4.44	0.03	0.00	0.08	0.00	0.00	0.00	7.90	0.00	0.00	0.00	0.00
126	19.900	7.21	0.20	0.25	0.00	0.00	0.00	0.00	0.00	6.72	6.72	4.51	0.03	0.00	0.09	0.00	0.00	0.00	8.08	0.00	0.00	0.00	0.00
127	19.800	7.21	0.20	0.26	0.00	0.00	0.00	0.00	0.00	6.72	6.72	4.58	0.03	0.00	0.09	0.00	0.00	0.00	8.26	0.00	0.00	0.00	0.00
128	19.700	7.21	0.20	0.26	0.00	0.00	0.00	0.00	0.00	6.72	6.72	4.65	0.03	0.00	0.10	0.00	0.00	0.00	8.45	0.00	0.00	0.00	0.00
129	19.600	7.21	0.20	0.27	0.00	0.00	0.00	0.00	0.00	6.72	6.72	4.72	0.03	0.00	0.10	0.00	0.00	0.00	8.63	0.00	0.00	0.00	0.00
130	19.500	7.21	0.20	0.27	0.00	0.00	0.00	0.00	0.00	6.72	6.72	4.83	0.03	0.00	0.11	0.00	0.00	0.00	8.82	0.00	0.00	0.00	0.00
131	19.400	7.21	0.20	0.32	0.00	0.00	0.00	0.00	0.00	6.72	6.72	5.68	0.03	0.00	0.21	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.16	0.21	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/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
98	22.700	32.90	0.00	0.00	0.00	2.11	26.65	0.00	26.65	0.00	2.86	0.13	0.00	3.00	0.00	32.06	0.00	0.	0.00
99	22.600	32.89	0.00	0.00	0.00	1.95	26.65	0.00	26.65	0.00	2.89	0.13	0.00	3.02	0.00	34.12	0.00	0.	0.00
100	22.500	32.89	0.00	0.00	0.00	1.81	26.67	0.00	26.67	0.00	2.91	0.13	0.00	3.05	0.00	36.18	0.00	0.	0.00
101	22.400	32.89	0.00	0.00	0.00	1.69	26.70	0.00	26.70	0.00	2.94	0.13	0.00	3.07	0.00	38.24	0.00	0.	0.00
102	22.300	32.89	0.00	0.00	0.00	1.59	26.74	0.00	26.74	0.00	2.96	0.14	0.00	3.10	0.00	40.29	0.00	0.	0.00
103	22.200	32.88	0.00	0.00	0.00	1.51	26.79	0.00	26.79	0.00	2.98	0.14	0.00	3.12	0.00	42.35	0.00	0.	0.00
104	22.100	32.88	0.00	0.00	0.00	1.44	26.85	0.00	26.85	0.00	3.01	0.14	0.00	3.14	0.00	44.41	0.00	0.	0.00

105	22.000	32.88	0.00	0.00	0.00	1.38	26.92	0.00	26.92	0.00	3.03	0.14	0.00	3.17	0.00	46.47	0.00	0.	0.00
106	21.900	32.87	0.00	0.00	0.00	1.33	26.99	0.00	26.99	0.00	3.05	0.14	0.00	3.19	0.00	48.53	0.00	0.	0.00
107	21.800	32.87	0.00	0.00	0.00	1.29	27.06	0.00	27.06	0.00	3.08	0.14	0.00	3.22	0.00	50.59	0.00	0.	0.00
108	21.700	32.87	0.00	0.00	0.00	1.25	27.14	0.00	27.14	0.00	3.10	0.14	0.00	3.24	0.00	52.65	0.00	0.	0.00
109	21.600	32.86	0.00	0.00	0.00	1.23	27.22	0.00	27.22	0.00	3.12	0.15	0.00	3.27	0.00	54.71	0.00	0.	0.00
110	21.500	32.86	0.00	0.00	0.00	1.21	27.30	0.00	27.30	0.00	3.15	0.15	0.00	3.29	0.00	56.76	0.00	0.	0.00
111	21.400	32.86	0.00	0.00	0.00	1.20	27.39	0.00	27.39	0.00	3.17	0.15	0.00	3.32	0.00	58.82	0.00	0.	0.00
112	21.300	32.86	0.00	0.00	0.00	1.19	27.47	0.00	27.47	0.00	3.19	0.15	0.00	3.35	0.00	60.88	0.00	0.	0.00
113	21.200	32.85	0.00	0.00	0.00	1.18	27.56	0.00	27.56	0.00	3.22	0.15	0.00	3.37	0.00	62.94	0.00	0.	0.00
114	21.100	32.85	0.00	0.00	0.00	1.18	27.64	0.00	27.64	0.00	3.24	0.15	0.00	3.40	0.00	65.00	0.00	0.	0.00
115	21.000	32.85	0.00	0.00	0.00	1.18	27.72	0.00	27.72	0.00	3.26	0.16	0.00	3.42	0.00	67.06	0.00	0.	0.00
116	20.900	32.84	0.00	0.00	0.00	1.19	27.80	0.00	27.80	0.00	3.29	0.16	0.00	3.45	0.00	69.12	0.00	0.	0.00
117	20.800	32.84	0.00	0.00	0.00	1.20	27.88	0.00	27.88	0.00	3.31	0.16	0.00	3.47	0.00	71.18	0.00	0.	0.00
118	20.700	32.84	0.00	0.00	0.00	1.21	27.96	0.00	27.96	0.00	3.33	0.16	0.00	3.50	0.00	73.24	0.00	0.	0.00
119	20.600	32.84	0.00	0.00	0.00	1.22	28.04	0.00	28.04	0.00	3.36	0.16	0.00	3.52	0.00	75.29	0.00	0.	0.00
120	20.500	32.83	0.00	0.00	0.00	1.23	28.12	0.00	28.12	0.00	3.38	0.16	0.00	3.55	0.00	77.35	0.00	0.	0.00
121	20.400	32.83	0.00	0.00	0.00	1.25	28.19	0.00	28.19	0.00	3.40	0.17	0.00	3.57	0.00	79.41	0.00	0.	0.00
122	20.300	32.83	0.00	0.00	0.00	1.26	28.26	0.00	28.26	0.00	3.43	0.17	0.00	3.60	0.00	81.47	0.00	0.	0.00
123	20.200	32.82	0.00	0.00	0.00	1.28	28.33	0.00	28.33	0.00	3.45	0.17	0.00	3.62	0.00	83.53	0.00	0.	0.00
124	20.100	32.82	0.00	0.00	0.00	1.30	28.39	0.00	28.39	0.00	3.47	0.17	0.00	3.65	0.00	85.59	0.00	0.	0.00
125	20.000	32.82	0.00	0.00	0.00	1.32	28.46	0.00	28.46	0.00	3.50	0.17	0.00	3.67	0.00	87.65	0.00	0.	0.00
126	19.900	32.81	0.00	0.00	0.00	1.34	28.52	0.00	28.52	0.00	3.52	0.17	0.00	3.70	0.00	89.71	0.00	0.	0.00
127	19.800	32.81	0.00	0.00	0.00	1.36	28.58	0.00	28.58	0.00	3.54	0.18	0.00	3.72	0.00	91.76	0.00	0.	0.00
128	19.700	32.81	0.00	0.00	0.00	1.38	28.63	0.00	28.63	0.00	3.57	0.18	0.00	3.74	0.00	93.82	0.00	0.	0.00
129	19.600	32.81	0.00	0.00	0.00	1.41	28.68	0.00	28.68	0.00	3.59	0.18	0.00	3.77	0.00	95.88	0.00	0.	0.00
130	19.500	32.80	0.00	0.00	0.00	1.44	28.72	0.00	28.72	0.00	3.61	0.18	0.00	3.79	0.00	97.94	0.00	0.	0.00
131	19.400	32.80	0.00	0.00	0.00	1.69	28.40	0.00	28.40	0.00	3.59	0.18	0.00	3.77	0.00	100.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 5 Lake Verret 1 Baseline Simulation for Lake Verret and Grassy Lake 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
132	UPR RCH	20.23333	32.80	0.00	0.00	0.00	1.69	28.40	0.00	28.40	0.00	3.59	0.18	0.00	0.00	100.00	0.00	0.00
132	WSTLD	10.03333	30.00	0.00	0.00	0.00	7.60	16.80	0.00	16.80	0.00	2.40	0.10	0.20	0.00	0.00	0.00	0.00
140	WSTLD	0.00197	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	0.00	0.00	0.00	0.00
149	WSTLD	0.00055	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
132	19.40	19.30	30.26666	33.1	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
133	19.30	19.20	30.26666	33.1	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
134	19.20	19.10	30.26666	33.1	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
135	19.10	19.00	30.26666	33.1	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
136	19.00	18.90	30.26666	33.1	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
137	18.90	18.80	30.26666	33.1	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
138	18.80	18.70	30.26666	33.1	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
139	18.70	18.60	30.26666	33.1	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
140	18.60	18.50	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
141	18.50	18.40	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012

142	18.40	18.30	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
143	18.30	18.20	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
144	18.20	18.10	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
145	18.10	18.00	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
146	18.00	17.90	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
147	17.90	17.80	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
148	17.80	17.70	30.26863	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
149	17.70	17.60	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
150	17.60	17.50	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
151	17.50	17.40	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
152	17.40	17.30	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
153	17.30	17.20	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
154	17.20	17.10	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
155	17.10	17.00	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
156	17.00	16.90	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
157	16.90	16.80	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
158	16.80	16.70	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
159	16.70	16.60	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
160	16.60	16.50	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
161	16.50	16.40	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
162	16.40	16.30	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
163	16.30	16.20	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
164	16.20	16.10	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
165	16.10	16.00	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
166	16.00	15.90	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
167	15.90	15.80	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
168	15.80	15.70	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
169	15.70	15.60	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
170	15.60	15.50	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
171	15.50	15.40	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
172	15.40	15.30	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
173	15.30	15.20	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
174	15.20	15.10	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
175	15.10	15.00	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
176	15.00	14.90	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
177	14.90	14.80	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
178	14.80	14.70	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
179	14.70	14.60	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
180	14.60	14.50	30.26918	33.2	0.01194	0.10	1.34	1892.00	253528.00	189200.00	2535.28	0.00	0.000	0.200	0.012
TOT				4.75		12422872.00	9270800.00								
AVG			0.0119		1.34	1892.00			2535.28						
CUM				9.09											

********** 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 1/da	ORGN DECAY *	NH3 SRCE **	NH3 RATE **	SRCE 1/da	DENIT PROD 1/da	PO4 PROD 1/da	ALG DECAY 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM
132	19.300	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	3.36	0.03	0.00	0.46	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00		
133	19.200	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	3.36	0.03	0.00	0.47	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00		
134	19.100	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	3.36	0.03	0.00	0.47	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00		
135	19.000	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.36	3.36	3.36	0.03	0.00	0.47	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00		

136	18.900	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.47	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00
137	18.800	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.47	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
138	18.700	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.47	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00
139	18.600	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.47	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00
140	18.500	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.46	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00
141	18.400	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.46	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
142	18.300	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.46	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00
143	18.200	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.45	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00
144	18.100	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.45	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
145	18.000	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.44	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
146	17.900	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.35	3.35	3.35	0.03	0.00	0.43	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00
147	17.800	7.21	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.42	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00
148	17.700	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.42	0.00	0.00	0.00	9.13	0.00	0.00	0.00	0.00
149	17.600	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.41	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00
150	17.500	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.40	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00
151	17.400	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.38	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00
152	17.300	7.22	0.71	0.29	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.34	0.03	0.00	0.37	0.00	0.00	0.00	9.16	0.00	0.00	0.00	0.00
153	17.200	7.22	0.71	0.27	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.18	0.03	0.00	0.32	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
154	17.100	7.22	0.70	0.26	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.07	0.03	0.00	0.28	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
155	17.000	7.22	0.70	0.26	0.00	0.00	0.00	0.00	0.00	3.34	3.34	3.00	0.03	0.00	0.26	0.00	0.00	0.00	9.18	0.00	0.00	0.00	0.00
156	16.900	7.22	0.70	0.25	0.00	0.00	0.00	0.00	0.00	3.34	3.34	2.94	0.03	0.00	0.24	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
157	16.800	7.22	0.70	0.25	0.00	0.00	0.00	0.00	0.00	3.34	3.34	2.89	0.03	0.00	0.22	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00
158	16.700	7.22	0.70	0.25	0.00	0.00	0.00	0.00	0.00	3.34	3.34	2.85	0.03	0.00	0.21	0.00	0.00	0.00	9.20	0.00	0.00	0.00	0.00
159	16.600	7.22	0.70	0.24	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.82	0.03	0.00	0.20	0.00	0.00	0.00	9.21	0.00	0.00	0.00	0.00
160	16.500	7.22	0.70	0.24	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.79	0.03	0.00	0.20	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
161	16.400	7.22	0.70	0.24	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.76	0.03	0.00	0.19	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
162	16.300	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.73	0.03	0.00	0.18	0.00	0.00	0.00	9.23	0.00	0.00	0.00	0.00
163	16.200	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.70	0.03	0.00	0.17	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00
164	16.100	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.68	0.03	0.00	0.17	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00
165	16.000	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.65	0.03	0.00	0.16	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00
166	15.900	7.22	0.70	0.23	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.62	0.03	0.00	0.16	0.00	0.00	0.00	9.26	0.00	0.00	0.00	0.00
167	15.800	7.22	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.60	0.03	0.00	0.15	0.00	0.00	0.00	9.27	0.00	0.00	0.00	0.00
168	15.700	7.23	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.58	0.03	0.00	0.15	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
169	15.600	7.23	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.55	0.03	0.00	0.14	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00
170	15.500	7.23	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.33	3.33	2.53	0.03	0.00	0.14	0.00	0.00	0.00	9.29	0.00	0.00	0.00	0.00
171	15.400	7.23	0.70	0.22	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.51	0.03	0.00	0.13	0.00	0.00	0.00	9.30	0.00	0.00	0.00	0.00
172	15.300	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.49	0.03	0.00	0.13	0.00	0.00	0.00	9.31	0.00	0.00	0.00	0.00
173	15.200	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.46	0.03	0.00	0.12	0.00	0.00	0.00	9.31	0.00	0.00	0.00	0.00
174	15.100	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.44	0.03	0.00	0.12	0.00	0.00	0.00	9.32	0.00	0.00	0.00	0.00
175	15.000	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.42	0.03	0.00	0.12	0.00	0.00	0.00	9.33	0.00	0.00	0.00	0.00
176	14.900	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.40	0.03	0.00	0.11	0.00	0.00	0.00	9.34	0.00	0.00	0.00	0.00
177	14.800	7.23	0.70	0.21	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.38	0.03	0.00	0.11	0.00	0.00	0.00	9.34	0.00	0.00	0.00	0.00
178	14.700	7.23	0.70	0.20	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.37	0.03	0.00	0.11	0.00	0.00	0.00	9.35	0.00	0.00	0.00	0.00
179	14.600	7.23	0.70	0.20	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.35	0.03	0.00	0.10	0.00	0.00	0.00	9.36	0.00	0.00	0.00	0.00
180	14.500	7.23	0.70	0.20	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.34	0.03	0.00	0.10	0.00	0.00	0.00	9.36	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.56	0.16	0.00	0.00	0.00	0.00	0.00	1.50			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM

132	19.300	32.80	0.00	0.00	0.00	3.60	25.94	0.00	25.94	0.00	3.24	0.16	0.00	3.40	0.00	100.10	0.00	0.	0.00
133	19.200	32.79	0.00	0.00	0.00	3.69	26.90	0.00	26.90	0.00	3.26	0.16	0.00	3.42	0.00	100.20	0.00	0.	0.00
134	19.100	32.79	0.00	0.00	0.00	3.75	27.84	0.00	27.84	0.00	3.27	0.16	0.00	3.43	0.00	100.31	0.00	0.	0.00
135	19.000	32.78	0.00	0.00	0.00	3.78	28.75	0.00	28.75	0.00	3.29	0.16	0.00	3.45	0.00	100.41	0.00	0.	0.00
136	18.900	32.78	0.00	0.00	0.00	3.78	29.64	0.00	29.64	0.00	3.31	0.16	0.00	3.46	0.00	100.51	0.00	0.	0.00
137	18.800	32.78	0.00	0.00	0.00	3.77	30.50	0.00	30.50	0.00	3.32	0.16	0.00	3.48	0.00	100.61	0.00	0.	0.00
138	18.700	32.77	0.00	0.00	0.00	3.73	31.34	0.00	31.34	0.00	3.34	0.16	0.00	3.50	0.00	100.71	0.00	0.	0.00
139	18.600	32.77	0.00	0.00	0.00	3.68	32.16	0.00	32.16	0.00	3.35	0.16	0.00	3.51	0.00	100.82	0.00	0.	0.00
140	18.500	32.76	0.00	0.00	0.00	3.61	32.95	0.00	32.95	0.00	3.37	0.16	0.00	3.53	0.00	100.92	0.00	0.	0.00
141	18.400	32.76	0.00	0.00	0.00	3.52	33.73	0.00	33.73	0.00	3.38	0.17	0.00	3.55	0.00	101.02	0.00	0.	0.00
142	18.300	32.76	0.00	0.00	0.00	3.43	34.48	0.00	34.48	0.00	3.40	0.17	0.00	3.56	0.00	101.12	0.00	0.	0.00
143	18.200	32.75	0.00	0.00	0.00	3.32	35.21	0.00	35.21	0.00	3.41	0.17	0.00	3.58	0.00	101.22	0.00	0.	0.00
144	18.100	32.75	0.00	0.00	0.00	3.20	35.92	0.00	35.92	0.00	3.43	0.17	0.00	3.59	0.00	101.33	0.00	0.	0.00
145	18.000	32.74	0.00	0.00	0.00	3.07	36.62	0.00	36.62	0.00	3.44	0.17	0.00	3.61	0.00	101.43	0.00	0.	0.00
146	17.900	32.74	0.00	0.00	0.00	2.93	37.29	0.00	37.29	0.00	3.45	0.17	0.00	3.63	0.00	101.53	0.00	0.	0.00
147	17.800	32.73	0.00	0.00	0.00	2.79	37.95	0.00	37.95	0.00	3.47	0.17	0.00	3.64	0.00	101.63	0.00	0.	0.00
148	17.700	32.73	0.00	0.00	0.00	2.64	38.59	0.00	38.59	0.00	3.48	0.18	0.00	3.66	0.00	101.73	0.00	0.	0.00
149	17.600	32.73	0.00	0.00	0.00	2.48	39.21	0.00	39.21	0.00	3.50	0.18	0.00	3.68	0.00	101.84	0.00	0.	0.00
150	17.500	32.72	0.00	0.00	0.00	2.32	39.82	0.00	39.82	0.00	3.51	0.18	0.00	3.69	0.00	101.94	0.00	0.	0.00
151	17.400	32.72	0.00	0.00	0.00	2.16	40.41	0.00	40.41	0.00	3.53	0.18	0.00	3.71	0.00	102.04	0.00	0.	0.00
152	17.300	32.71	0.00	0.00	0.00	2.01	40.99	0.00	40.99	0.00	3.54	0.18	0.00	3.73	0.00	102.14	0.00	0.	0.00
153	17.200	32.71	0.00	0.00	0.00	1.91	41.61	0.00	41.61	0.00	3.56	0.19	0.00	3.74	0.00	102.24	0.00	0.	0.00
154	17.100	32.71	0.00	0.00	0.00	1.84	42.25	0.00	42.25	0.00	3.57	0.19	0.00	3.76	0.00	102.35	0.00	0.	0.00
155	17.000	32.70	0.00	0.00	0.00	1.80	42.90	0.00	42.90	0.00	3.59	0.19	0.00	3.78	0.00	102.45	0.00	0.	0.00
156	16.900	32.70	0.00	0.00	0.00	1.76	43.55	0.00	43.55	0.00	3.60	0.20	0.00	3.80	0.00	102.55	0.00	0.	0.00
157	16.800	32.69	0.00	0.00	0.00	1.73	44.20	0.00	44.20	0.00	3.61	0.20	0.00	3.82	0.00	102.65	0.00	0.	0.00
158	16.700	32.69	0.00	0.00	0.00	1.71	44.85	0.00	44.85	0.00	3.63	0.21	0.00	3.84	0.00	102.76	0.00	0.	0.00
159	16.600	32.69	0.00	0.00	0.00	1.69	45.50	0.00	45.50	0.00	3.64	0.21	0.00	3.86	0.00	102.86	0.00	0.	0.00
160	16.500	32.68	0.00	0.00	0.00	1.67	46.14	0.00	46.14	0.00	3.66	0.22	0.00	3.88	0.00	102.96	0.00	0.	0.00
161	16.400	32.68	0.00	0.00	0.00	1.66	46.78	0.00	46.78	0.00	3.67	0.22	0.00	3.90	0.00	103.06	0.00	0.	0.00
162	16.300	32.67	0.00	0.00	0.00	1.64	47.42	0.00	47.42	0.00	3.69	0.23	0.00	3.91	0.00	103.16	0.00	0.	0.00
163	16.200	32.67	0.00	0.00	0.00	1.62	48.05	0.00	48.05	0.00	3.70	0.23	0.00	3.93	0.00	103.27	0.00	0.	0.00
164	16.100	32.67	0.00	0.00	0.00	1.61	48.68	0.00	48.68	0.00	3.71	0.24	0.00	3.95	0.00	103.37	0.00	0.	0.00
165	16.000	32.66	0.00	0.00	0.00	1.59	49.31	0.00	49.31	0.00	3.73	0.24	0.00	3.97	0.00	103.47	0.00	0.	0.00
166	15.900	32.66	0.00	0.00	0.00	1.58	49.94	0.00	49.94	0.00	3.74	0.25	0.00	3.99	0.00	103.57	0.00	0.	0.00
167	15.800	32.65	0.00	0.00	0.00	1.56	50.56	0.00	50.56	0.00	3.76	0.26	0.00	4.01	0.00	103.67	0.00	0.	0.00
168	15.700	32.65	0.00	0.00	0.00	1.55	51.17	0.00	51.17	0.00	3.77	0.26	0.00	4.03	0.00	103.78	0.00	0.	0.00
169	15.600	32.64	0.00	0.00	0.00	1.53	51.79	0.00	51.79	0.00	3.78	0.27	0.00	4.05	0.00	103.88	0.00	0.	0.00
170	15.500	32.64	0.00	0.00	0.00	1.52	52.40	0.00	52.40	0.00	3.80	0.27	0.00	4.07	0.00	103.98	0.00	0.	0.00
171	15.400	32.64	0.00	0.00	0.00	1.51	53.01	0.00	53.01	0.00	3.81	0.28	0.00	4.09	0.00	104.08	0.00	0.	0.00
172	15.300	32.63	0.00	0.00	0.00	1.50	53.61	0.00	53.61	0.00	3.83	0.29	0.00	4.11	0.00	104.18	0.00	0.	0.00
173	15.200	32.63	0.00	0.00	0.00	1.48	54.22	0.00	54.22	0.00	3.84	0.29	0.00	4.13	0.00	104.29	0.00	0.	0.00
174	15.100	32.62	0.00	0.00	0.00	1.47	54.82	0.00	54.82	0.00	3.85	0.30	0.00	4.15	0.00	104.39	0.00	0.	0.00
175	15.000	32.62	0.00	0.00	0.00	1.46	55.41	0.00	55.41	0.00	3.87	0.30	0.00	4.17	0.00	104.49	0.00	0.	0.00
176	14.900	32.62	0.00	0.00	0.00	1.45	56.01	0.00	56.01	0.00	3.88	0.31	0.00	4.19	0.00	104.59	0.00	0.	0.00
177	14.800	32.61	0.00	0.00	0.00	1.44	56.59	0.00	56.59	0.00	3.90	0.32	0.00	4.21	0.00	104.69	0.00	0.	0.00
178	14.700	32.61	0.00	0.00	0.00	1.43	57.16	0.00	57.16	0.00	3.91	0.32	0.00	4.23	0.00	104.80	0.00	0.	0.00
179	14.600	32.60	0.00	0.00	0.00	1.42	57.62	0.00	57.62	0.00	3.92	0.33	0.00	4.25	0.00	104.90	0.00	0.	0.00
180	14.500	32.60	0.00	0.00	0.00	1.41	57.31	0.00	57.31	0.00	3.92	0.34	0.00	4.26	0.00	105.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

REACH NO. 6 Lake Verret 2 Baseline Simulation for Lake Verret and Grassy Lake 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
181	UPR RCH	30.26918	32.60	0.00	0.00	0.00	1.41	57.31	0.00	57.31	0.00	3.92	0.34	0.00	0.00	105.00	0.00	0.00
208	WSTLD	0.00156	30.00	0.00	0.00	0.00	5.00	46.00	0.00	46.00	0.00	3.30	6.67	2.00	0.00	0.00	0.00	0.00
264	WSTLD	0.01153	30.00	0.00	0.00	0.00	5.00	27.20	0.00	27.20	0.00	2.00	6.48	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW EFF m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	AREA m²	AREA m³	PRISM m/s	SURFACE VELO m²/s	X-SECT VELO m/s	TIDAL	TIDAL	DISPRSN	MEAN
181	14.50	14.40	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
182	14.40	14.30	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
183	14.30	14.20	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
184	14.20	14.10	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
185	14.10	14.00	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
186	14.00	13.90	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
187	13.90	13.80	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
188	13.80	13.70	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
189	13.70	13.60	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
190	13.60	13.50	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
191	13.50	13.40	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
192	13.40	13.30	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
193	13.30	13.20	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
194	13.20	13.10	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
195	13.10	13.00	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
196	13.00	12.90	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
197	12.90	12.80	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
198	12.80	12.70	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
199	12.70	12.60	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
200	12.60	12.50	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
201	12.50	12.40	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
202	12.40	12.30	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
203	12.30	12.20	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
204	12.20	12.10	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
205	12.10	12.00	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
206	12.00	11.90	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
207	11.90	11.80	30.26918	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
208	11.80	11.70	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
209	11.70	11.60	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
210	11.60	11.50	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
211	11.50	11.40	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
212	11.40	11.30	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
213	11.30	11.20	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
214	11.20	11.10	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
215	11.10	11.00	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
216	11.00	10.90	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
217	10.90	10.80	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
218	10.80	10.70	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			
219	10.70	10.60	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003			

220	10.60	10.50	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
221	10.50	10.40	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
222	10.40	10.30	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
223	10.30	10.20	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
224	10.20	10.10	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
225	10.10	10.00	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
226	10.00	9.90	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
227	9.90	9.80	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
228	9.80	9.70	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
229	9.70	9.60	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
230	9.60	9.50	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
231	9.50	9.40	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
232	9.40	9.30	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
233	9.30	9.20	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
234	9.20	9.10	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
235	9.10	9.00	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
236	9.00	8.90	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
237	8.90	8.80	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
238	8.80	8.70	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
239	8.70	8.60	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
240	8.60	8.50	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
241	8.50	8.40	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
242	8.40	8.30	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
243	8.30	8.20	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
244	8.20	8.10	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
245	8.10	8.00	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
246	8.00	7.90	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
247	7.90	7.80	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
248	7.80	7.70	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
249	7.70	7.60	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
250	7.60	7.50	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
251	7.50	7.40	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
252	7.40	7.30	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
253	7.30	7.20	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
254	7.20	7.10	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
255	7.10	7.00	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
256	7.00	6.90	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
257	6.90	6.80	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
258	6.80	6.70	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
259	6.70	6.60	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
260	6.60	6.50	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
261	6.50	6.40	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
262	6.40	6.30	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
263	6.30	6.20	30.27074	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
264	6.20	6.10	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
265	6.10	6.00	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
266	6.00	5.90	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
267	5.90	5.80	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
268	5.80	5.70	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
269	5.70	5.60	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003

270	5.60	5.50	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
271	5.50	5.40	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
272	5.40	5.30	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
273	5.30	5.20	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
274	5.20	5.10	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
275	5.10	5.00	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
276	5.00	4.90	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
277	4.90	4.80	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
278	4.80	4.70	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
279	4.70	4.60	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
280	4.60	4.50	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
281	4.50	4.40	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
282	4.40	4.30	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
283	4.30	4.20	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
284	4.20	4.10	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
285	4.10	4.00	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
286	4.00	3.90	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
287	3.90	3.80	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
288	3.80	3.70	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
289	3.70	3.60	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
290	3.60	3.50	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
291	3.50	3.40	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
292	3.40	3.30	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
293	3.30	3.20	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
294	3.20	3.10	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
295	3.10	3.00	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
296	3.00	2.90	30.28227	33.2	0.00347	0.33	2.13	4092.00	871596.12	409200.00	8715.96	0.00	0.000	0.200	0.003
TOT					38.65			**********47467200.00							
AVG				0.0035			2.13	4092.00			8715.95				
CUM					47.74										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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		
181	14.400	7.23	0.44	0.20	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.30	0.03	0.00	0.10	0.00	0.00	0.00	9.32	0.00	0.00	0.00	0.00	
182	14.300	7.23	0.44	0.20	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.33	0.03	0.00	0.10	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00	
183	14.200	7.23	0.44	0.21	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.39	0.03	0.00	0.11	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00	
184	14.100	7.23	0.44	0.21	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.46	0.03	0.00	0.12	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00	
185	14.000	7.23	0.44	0.22	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.53	0.03	0.00	0.14	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00	
186	13.900	7.23	0.44	0.22	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.61	0.03	0.00	0.15	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00	
187	13.800	7.23	0.44	0.23	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.69	0.03	0.00	0.17	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00	
188	13.700	7.23	0.44	0.24	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.77	0.03	0.00	0.19	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00	
189	13.600	7.23	0.44	0.25	0.00	0.00	0.00	0.00	0.00	3.32	3.32	2.85	0.03	0.00	0.22	0.00	0.00	0.00	8.98	0.00	0.00	0.00	0.00	
190	13.500	7.23	0.44	0.25	0.00	0.00	0.00	0.00	0.00	3.31	3.31	2.94	0.03	0.00	0.24	0.00	0.00	0.00	8.94	0.00	0.00	0.00	0.00	
191	13.400	7.23	0.44	0.26	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.03	0.03	0.00	0.27	0.00	0.00	0.00	8.90	0.00	0.00	0.00	0.00	
192	13.300	7.23	0.44	0.27	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.13	0.03	0.00	0.31	0.00	0.00	0.00	8.85	0.00	0.00	0.00	0.00	
193	13.200	7.23	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.24	0.03	0.00	0.35	0.00	0.00	0.00	8.81	0.00	0.00	0.00	0.00	
194	13.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.37	0.00	0.00	0.00	8.77	0.00	0.00	0.00	0.00	
195	13.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.39	0.00	0.00	0.00	8.73	0.00	0.00	0.00	0.00	
196	12.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.40	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00	

197	12.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.42	0.00	0.00	0.00	8.64	0.00	0.00	0.00	0.00
198	12.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.44	0.00	0.00	0.00	8.60	0.00	0.00	0.00	0.00
199	12.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.45	0.00	0.00	0.00	8.55	0.00	0.00	0.00	0.00
200	12.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.47	0.00	0.00	0.00	8.51	0.00	0.00	0.00	0.00
201	12.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.48	0.00	0.00	0.00	8.47	0.00	0.00	0.00	0.00
202	12.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.49	0.00	0.00	0.00	8.43	0.00	0.00	0.00	0.00
203	12.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.50	0.00	0.00	0.00	8.38	0.00	0.00	0.00	0.00
204	12.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.51	0.00	0.00	0.00	8.34	0.00	0.00	0.00	0.00
205	12.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	8.30	0.00	0.00	0.00	0.00
206	11.900	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.52	0.00	0.00	0.00	8.26	0.00	0.00	0.00	0.00
207	11.800	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	8.21	0.00	0.00	0.00	0.00
208	11.700	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.53	0.00	0.00	0.00	8.17	0.00	0.00	0.00	0.00
209	11.600	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	8.13	0.00	0.00	0.00	0.00
210	11.500	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	8.09	0.00	0.00	0.00	0.00
211	11.400	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	8.04	0.00	0.00	0.00	0.00
212	11.300	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
213	11.200	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.96	0.00	0.00	0.00	0.00
214	11.100	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
215	11.000	7.23	0.44	0.29	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.87	0.00	0.00	0.00	0.00
216	10.900	7.23	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.83	0.00	0.00	0.00	0.00
217	10.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.79	0.00	0.00	0.00	0.00
218	10.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00
219	10.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.70	0.00	0.00	0.00	0.00
220	10.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.66	0.00	0.00	0.00	0.00
221	10.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.62	0.00	0.00	0.00	0.00
222	10.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.58	0.00	0.00	0.00	0.00
223	10.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00
224	10.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.49	0.00	0.00	0.00	0.00
225	10.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00
226	9.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.41	0.00	0.00	0.00	0.00
227	9.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.36	0.00	0.00	0.00	0.00
228	9.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.32	0.00	0.00	0.00	0.00
229	9.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.28	0.00	0.00	0.00	0.00
230	9.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.24	0.00	0.00	0.00	0.00
231	9.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.19	0.00	0.00	0.00	0.00
232	9.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.15	0.00	0.00	0.00	0.00
233	9.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.11	0.00	0.00	0.00	0.00
234	9.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.07	0.00	0.00	0.00	0.00
235	9.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	7.02	0.00	0.00	0.00	0.00
236	8.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.98	0.00	0.00	0.00	0.00
237	8.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.94	0.00	0.00	0.00	0.00
238	8.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.90	0.00	0.00	0.00	0.00
239	8.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.85	0.00	0.00	0.00	0.00
240	8.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.81	0.00	0.00	0.00	0.00
241	8.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.77	0.00	0.00	0.00	0.00
242	8.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00
243	8.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.68	0.00	0.00	0.00	0.00
244	8.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.31	3.31	3.31	0.03	0.00	0.54	0.00	0.00	0.00	6.64	0.00	0.00	0.00	0.00
245	8.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00
246	7.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.56	0.00	0.00	0.00	0.00

247	7.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.51	0.00	0.00	0.00	0.00
248	7.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.47	0.00	0.00	0.00	0.00
249	7.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.43	0.00	0.00	0.00	0.00
250	7.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.39	0.00	0.00	0.00	0.00
251	7.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.34	0.00	0.00	0.00	0.00
252	7.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.30	0.00	0.00	0.00	0.00
253	7.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.26	0.00	0.00	0.00	0.00
254	7.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.22	0.00	0.00	0.00	0.00
255	7.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.17	0.00	0.00	0.00	0.00
256	6.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.13	0.00	0.00	0.00	0.00
257	6.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.09	0.00	0.00	0.00	0.00
258	6.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.05	0.00	0.00	0.00	0.00
259	6.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	6.01	0.00	0.00	0.00	0.00
260	6.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.96	0.00	0.00	0.00	0.00
261	6.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.92	0.00	0.00	0.00	0.00
262	6.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00
263	6.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.84	0.00	0.00	0.00	0.00
264	6.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.79	0.00	0.00	0.00	0.00
265	6.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.75	0.00	0.00	0.00	0.00
266	5.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.71	0.00	0.00	0.00	0.00
267	5.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.67	0.00	0.00	0.00	0.00
268	5.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.62	0.00	0.00	0.00	0.00
269	5.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.58	0.00	0.00	0.00	0.00
270	5.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.54	0.00	0.00	0.00	0.00
271	5.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.50	0.00	0.00	0.00	0.00
272	5.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.54	0.00	0.00	0.00	5.45	0.00	0.00	0.00	0.00
273	5.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.41	0.00	0.00	0.00	0.00
274	5.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.37	0.00	0.00	0.00	0.00
275	5.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.33	0.00	0.00	0.00	0.00
276	4.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.28	0.00	0.00	0.00	0.00
277	4.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.24	0.00	0.00	0.00	0.00
278	4.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.20	0.00	0.00	0.00	0.00
279	4.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00
280	4.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.53	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00
281	4.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.07	0.00	0.00	0.00	0.00
282	4.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	5.03	0.00	0.00	0.00	0.00
283	4.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.99	0.00	0.00	0.00	0.00
284	4.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00
285	4.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.90	0.00	0.00	0.00	0.00
286	3.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.52	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
287	3.800	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.82	0.00	0.00	0.00	0.00
288	3.700	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.78	0.00	0.00	0.00	0.00
289	3.600	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00
290	3.500	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.69	0.00	0.00	0.00	0.00
291	3.400	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00
292	3.300	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.51	0.00	0.00	0.00	4.61	0.00	0.00	0.00	0.00
293	3.200	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.57	0.00	0.00	0.00	0.00
294	3.100	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.52	0.00	0.00	0.00	0.00
295	3.000	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00
296	2.900	7.24	0.44	0.28	0.00	0.00	0.00	0.00	0.00	3.30	3.30	3.30	0.03	0.00	0.50	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.35 0.16 0.00 0.00 0.00 0.00 0.00 1.50 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
181	14.400	32.60	0.00	0.00	0.00	1.39	54.74	0.00	54.74	0.00	3.88	0.37	0.00	4.25	0.00	104.53	0.00	0.	0.00
182	14.300	32.60	0.00	0.00	0.00	1.41	52.57	0.00	52.57	0.00	3.85	0.39	0.00	4.23	0.00	104.05	0.00	0.	0.00
183	14.200	32.60	0.00	0.00	0.00	1.44	50.45	0.00	50.45	0.00	3.82	0.40	0.00	4.22	0.00	103.58	0.00	0.	0.00
184	14.100	32.60	0.00	0.00	0.00	1.48	48.39	0.00	48.39	0.00	3.79	0.41	0.00	4.20	0.00	103.10	0.00	0.	0.00
185	14.000	32.60	0.00	0.00	0.00	1.53	46.36	0.00	46.36	0.00	3.75	0.43	0.00	4.18	0.00	102.63	0.00	0.	0.00
186	13.900	32.59	0.00	0.00	0.00	1.57	44.39	0.00	44.39	0.00	3.72	0.43	0.00	4.16	0.00	102.16	0.00	0.	0.00
187	13.800	32.59	0.00	0.00	0.00	1.62	42.46	0.00	42.46	0.00	3.69	0.44	0.00	4.13	0.00	101.68	0.00	0.	0.00
188	13.700	32.59	0.00	0.00	0.00	1.67	40.59	0.00	40.59	0.00	3.66	0.44	0.00	4.10	0.00	101.21	0.00	0.	0.00
189	13.600	32.59	0.00	0.00	0.00	1.72	38.77	0.00	38.77	0.00	3.63	0.44	0.00	4.07	0.00	100.73	0.00	0.	0.00
190	13.500	32.59	0.00	0.00	0.00	1.77	36.99	0.00	36.99	0.00	3.60	0.43	0.00	4.03	0.00	100.26	0.00	0.	0.00
191	13.400	32.59	0.00	0.00	0.00	1.83	35.28	0.00	35.28	0.00	3.57	0.42	0.00	3.99	0.00	99.78	0.00	0.	0.00
192	13.300	32.59	0.00	0.00	0.00	1.89	33.61	0.00	33.61	0.00	3.54	0.41	0.00	3.95	0.00	99.31	0.00	0.	0.00
193	13.200	32.59	0.00	0.00	0.00	1.95	32.01	0.00	32.01	0.00	3.51	0.39	0.00	3.90	0.00	98.84	0.00	0.	0.00
194	13.100	32.59	0.00	0.00	0.00	2.06	30.50	0.00	30.50	0.00	3.48	0.37	0.00	3.85	0.00	98.36	0.00	0.	0.00
195	13.000	32.59	0.00	0.00	0.00	2.26	29.12	0.00	29.12	0.00	3.45	0.36	0.00	3.81	0.00	97.89	0.00	0.	0.00
196	12.900	32.59	0.00	0.00	0.00	2.51	27.85	0.00	27.85	0.00	3.42	0.34	0.00	3.76	0.00	97.41	0.00	0.	0.00
197	12.800	32.59	0.00	0.00	0.00	2.81	26.69	0.00	26.69	0.00	3.39	0.32	0.00	3.72	0.00	96.94	0.00	0.	0.00
198	12.700	32.58	0.00	0.00	0.00	3.14	25.63	0.00	25.63	0.00	3.36	0.31	0.00	3.67	0.00	96.47	0.00	0.	0.00
199	12.600	32.58	0.00	0.00	0.00	3.50	24.65	0.00	24.65	0.00	3.34	0.29	0.00	3.63	0.00	95.99	0.00	0.	0.00
200	12.500	32.58	0.00	0.00	0.00	3.87	23.75	0.00	23.75	0.00	3.31	0.28	0.00	3.59	0.00	95.52	0.00	0.	0.00
201	12.400	32.58	0.00	0.00	0.00	4.26	22.93	0.00	22.93	0.00	3.28	0.27	0.00	3.55	0.00	95.04	0.00	0.	0.00
202	12.300	32.58	0.00	0.00	0.00	4.64	22.18	0.00	22.18	0.00	3.25	0.25	0.00	3.50	0.00	94.57	0.00	0.	0.00
203	12.200	32.58	0.00	0.00	0.00	5.02	21.49	0.00	21.49	0.00	3.23	0.24	0.00	3.47	0.00	94.09	0.00	0.	0.00
204	12.100	32.58	0.00	0.00	0.00	5.40	20.85	0.00	20.85	0.00	3.20	0.23	0.00	3.43	0.00	93.62	0.00	0.	0.00
205	12.000	32.58	0.00	0.00	0.00	5.77	20.27	0.00	20.27	0.00	3.17	0.22	0.00	3.39	0.00	93.15	0.00	0.	0.00
206	11.900	32.58	0.00	0.00	0.00	6.12	19.74	0.00	19.74	0.00	3.14	0.21	0.00	3.36	0.00	92.67	0.00	0.	0.00
207	11.800	32.58	0.00	0.00	0.00	6.46	19.26	0.00	19.26	0.00	3.12	0.20	0.00	3.32	0.00	92.20	0.00	0.	0.00
208	11.700	32.58	0.00	0.00	0.00	6.79	18.81	0.00	18.81	0.00	3.09	0.19	0.00	3.29	0.00	91.72	0.00	0.	0.00
209	11.600	32.58	0.00	0.00	0.00	7.10	18.40	0.00	18.40	0.00	3.07	0.19	0.00	3.25	0.00	91.25	0.00	0.	0.00
210	11.500	32.57	0.00	0.00	0.00	7.39	18.02	0.00	18.02	0.00	3.04	0.18	0.00	3.22	0.00	90.78	0.00	0.	0.00
211	11.400	32.57	0.00	0.00	0.00	7.66	17.68	0.00	17.68	0.00	3.02	0.18	0.00	3.19	0.00	90.30	0.00	0.	0.00
212	11.300	32.57	0.00	0.00	0.00	7.91	17.36	0.00	17.36	0.00	2.99	0.17	0.00	3.16	0.00	89.83	0.00	0.	0.00
213	11.200	32.57	0.00	0.00	0.00	8.15	17.07	0.00	17.07	0.00	2.96	0.17	0.00	3.13	0.00	89.35	0.00	0.	0.00
214	11.100	32.57	0.00	0.00	0.00	8.37	16.81	0.00	16.81	0.00	2.94	0.16	0.00	3.10	0.00	88.88	0.00	0.	0.00
215	11.000	32.57	0.00	0.00	0.00	8.57	16.57	0.00	16.57	0.00	2.92	0.16	0.00	3.07	0.00	88.41	0.00	0.	0.00
216	10.900	32.57	0.00	0.00	0.00	8.75	16.34	0.00	16.34	0.00	2.89	0.16	0.00	3.05	0.00	87.93	0.00	0.	0.00
217	10.800	32.57	0.00	0.00	0.00	8.92	16.14	0.00	16.14	0.00	2.87	0.15	0.00	3.02	0.00	87.46	0.00	0.	0.00
218	10.700	32.57	0.00	0.00	0.00	9.07	15.95	0.00	15.95	0.00	2.84	0.15	0.00	2.99	0.00	86.98	0.00	0.	0.00
219	10.600	32.57	0.00	0.00	0.00	9.21	15.78	0.00	15.78	0.00	2.82	0.15	0.00	2.97	0.00	86.51	0.00	0.	0.00
220	10.500	32.57	0.00	0.00	0.00	9.33	15.62	0.00	15.62	0.00	2.80	0.14	0.00	2.94	0.00	86.03	0.00	0.	0.00
221	10.400	32.56	0.00	0.00	0.00	9.44	15.48	0.00	15.48	0.00	2.77	0.14	0.00	2.91	0.00	85.56	0.00	0.	0.00
222	10.300	32.56	0.00	0.00	0.00	9.53	15.35	0.00	15.35	0.00	2.75	0.14	0.00	2.89	0.00	85.09	0.00	0.	0.00
223	10.200	32.56	0.00	0.00	0.00	9.61	15.22	0.00	15.22	0.00	2.73	0.14	0.00	2.86	0.00	84.61	0.00	0.	0.00
224	10.100	32.56	0.00	0.00	0.00	9.68	15.11	0.00	15.11	0.00	2.70	0.14	0.00	2.84	0.00	84.14	0.00	0.	0.00
225	10.000	32.56	0.00	0.00	0.00	9.74	15.01	0.00	15.01	0.00	2.68	0.14	0.00	2.82	0.00	83.66	0.00	0.	0.00

226	9.900	32.56	0.00	0.00	0.00	9.79	14.92	0.00	14.92	0.00	2.66	0.13	0.00	2.79	0.00	83.19	0.00	0. 0.00
227	9.800	32.56	0.00	0.00	0.00	9.82	14.83	0.00	14.83	0.00	2.64	0.13	0.00	2.77	0.00	82.72	0.00	0. 0.00
228	9.700	32.56	0.00	0.00	0.00	9.85	14.75	0.00	14.75	0.00	2.61	0.13	0.00	2.74	0.00	82.24	0.00	0. 0.00
229	9.600	32.56	0.00	0.00	0.00	9.87	14.68	0.00	14.68	0.00	2.59	0.13	0.00	2.72	0.00	81.77	0.00	0. 0.00
230	9.500	32.56	0.00	0.00	0.00	9.88	14.62	0.00	14.62	0.00	2.57	0.13	0.00	2.70	0.00	81.29	0.00	0. 0.00
231	9.400	32.56	0.00	0.00	0.00	9.89	14.56	0.00	14.56	0.00	2.55	0.13	0.00	2.68	0.00	80.82	0.00	0. 0.00
232	9.300	32.56	0.00	0.00	0.00	9.88	14.50	0.00	14.50	0.00	2.53	0.13	0.00	2.65	0.00	80.34	0.00	0. 0.00
233	9.200	32.55	0.00	0.00	0.00	9.87	14.45	0.00	14.45	0.00	2.51	0.12	0.00	2.63	0.00	79.87	0.00	0. 0.00
234	9.100	32.55	0.00	0.00	0.00	9.86	14.40	0.00	14.40	0.00	2.48	0.12	0.00	2.61	0.00	79.40	0.00	0. 0.00
235	9.000	32.55	0.00	0.00	0.00	9.83	14.36	0.00	14.36	0.00	2.46	0.12	0.00	2.59	0.00	78.92	0.00	0. 0.00
236	8.900	32.55	0.00	0.00	0.00	9.81	14.32	0.00	14.32	0.00	2.44	0.12	0.00	2.56	0.00	78.45	0.00	0. 0.00
237	8.800	32.55	0.00	0.00	0.00	9.78	14.29	0.00	14.29	0.00	2.42	0.12	0.00	2.54	0.00	77.97	0.00	0. 0.00
238	8.700	32.55	0.00	0.00	0.00	9.74	14.25	0.00	14.25	0.00	2.40	0.12	0.00	2.52	0.00	77.50	0.00	0. 0.00
239	8.600	32.55	0.00	0.00	0.00	9.70	14.22	0.00	14.22	0.00	2.38	0.12	0.00	2.50	0.00	77.03	0.00	0. 0.00
240	8.500	32.55	0.00	0.00	0.00	9.65	14.20	0.00	14.20	0.00	2.36	0.12	0.00	2.48	0.00	76.55	0.00	0. 0.00
241	8.400	32.55	0.00	0.00	0.00	9.61	14.17	0.00	14.17	0.00	2.34	0.12	0.00	2.46	0.00	76.08	0.00	0. 0.00
242	8.300	32.55	0.00	0.00	0.00	9.55	14.15	0.00	14.15	0.00	2.32	0.12	0.00	2.44	0.00	75.60	0.00	0. 0.00
243	8.200	32.55	0.00	0.00	0.00	9.50	14.13	0.00	14.13	0.00	2.30	0.11	0.00	2.42	0.00	75.13	0.00	0. 0.00
244	8.100	32.54	0.00	0.00	0.00	9.44	14.11	0.00	14.11	0.00	2.28	0.11	0.00	2.40	0.00	74.66	0.00	0. 0.00
245	8.000	32.54	0.00	0.00	0.00	9.38	14.09	0.00	14.09	0.00	2.27	0.11	0.00	2.38	0.00	74.18	0.00	0. 0.00
246	7.900	32.54	0.00	0.00	0.00	9.32	14.08	0.00	14.08	0.00	2.25	0.11	0.00	2.36	0.00	73.71	0.00	0. 0.00
247	7.800	32.54	0.00	0.00	0.00	9.25	14.06	0.00	14.06	0.00	2.23	0.11	0.00	2.34	0.00	73.23	0.00	0. 0.00
248	7.700	32.54	0.00	0.00	0.00	9.19	14.05	0.00	14.05	0.00	2.21	0.11	0.00	2.32	0.00	72.76	0.00	0. 0.00
249	7.600	32.54	0.00	0.00	0.00	9.12	14.04	0.00	14.04	0.00	2.19	0.11	0.00	2.30	0.00	72.28	0.00	0. 0.00
250	7.500	32.54	0.00	0.00	0.00	9.05	14.02	0.00	14.02	0.00	2.17	0.11	0.00	2.28	0.00	71.81	0.00	0. 0.00
251	7.400	32.54	0.00	0.00	0.00	8.98	14.01	0.00	14.01	0.00	2.15	0.11	0.00	2.26	0.00	71.34	0.00	0. 0.00
252	7.300	32.54	0.00	0.00	0.00	8.90	14.00	0.00	14.00	0.00	2.14	0.11	0.00	2.24	0.00	70.86	0.00	0. 0.00
253	7.200	32.54	0.00	0.00	0.00	8.83	14.00	0.00	14.00	0.00	2.12	0.10	0.00	2.22	0.00	70.39	0.00	0. 0.00
254	7.100	32.54	0.00	0.00	0.00	8.75	13.99	0.00	13.99	0.00	2.10	0.10	0.00	2.20	0.00	69.91	0.00	0. 0.00
255	7.000	32.54	0.00	0.00	0.00	8.67	13.98	0.00	13.98	0.00	2.08	0.10	0.00	2.19	0.00	69.44	0.00	0. 0.00
256	6.900	32.53	0.00	0.00	0.00	8.59	13.98	0.00	13.98	0.00	2.07	0.10	0.00	2.17	0.00	68.97	0.00	0. 0.00
257	6.800	32.53	0.00	0.00	0.00	8.51	13.97	0.00	13.97	0.00	2.05	0.10	0.00	2.15	0.00	68.49	0.00	0. 0.00
258	6.700	32.53	0.00	0.00	0.00	8.43	13.96	0.00	13.96	0.00	2.03	0.10	0.00	2.13	0.00	68.02	0.00	0. 0.00
259	6.600	32.53	0.00	0.00	0.00	8.35	13.96	0.00	13.96	0.00	2.01	0.10	0.00	2.11	0.00	67.54	0.00	0. 0.00
260	6.500	32.53	0.00	0.00	0.00	8.27	13.96	0.00	13.96	0.00	2.00	0.10	0.00	2.10	0.00	67.07	0.00	0. 0.00
261	6.400	32.53	0.00	0.00	0.00	8.19	13.95	0.00	13.95	0.00	1.98	0.10	0.00	2.08	0.00	66.59	0.00	0. 0.00
262	6.300	32.53	0.00	0.00	0.00	8.10	13.95	0.00	13.95	0.00	1.96	0.10	0.00	2.06	0.00	66.12	0.00	0. 0.00
263	6.200	32.53	0.00	0.00	0.00	8.02	13.95	0.00	13.95	0.00	1.95	0.10	0.00	2.05	0.00	65.65	0.00	0. 0.00
264	6.100	32.53	0.00	0.00	0.00	7.93	13.95	0.00	13.95	0.00	1.93	0.10	0.00	2.03	0.00	65.17	0.00	0. 0.00
265	6.000	32.53	0.00	0.00	0.00	7.84	13.94	0.00	13.94	0.00	1.92	0.10	0.00	2.01	0.00	64.70	0.00	0. 0.00
266	5.900	32.53	0.00	0.00	0.00	7.76	13.94	0.00	13.94	0.00	1.90	0.10	0.00	2.00	0.00	64.22	0.00	0. 0.00
267	5.800	32.53	0.00	0.00	0.00	7.67	13.94	0.00	13.94	0.00	1.88	0.09	0.00	1.98	0.00	63.75	0.00	0. 0.00
268	5.700	32.52	0.00	0.00	0.00	7.58	13.94	0.00	13.94	0.00	1.87	0.09	0.00	1.96	0.00	63.28	0.00	0. 0.00
269	5.600	32.52	0.00	0.00	0.00	7.50	13.93	0.00	13.93	0.00	1.85	0.09	0.00	1.95	0.00	62.80	0.00	0. 0.00
270	5.500	32.52	0.00	0.00	0.00	7.41	13.93	0.00	13.93	0.00	1.84	0.09	0.00	1.93	0.00	62.33	0.00	0. 0.00
271	5.400	32.52	0.00	0.00	0.00	7.32	13.93	0.00	13.93	0.00	1.82	0.09	0.00	1.91	0.00	61.85	0.00	0. 0.00
272	5.300	32.52	0.00	0.00	0.00	7.23	13.93	0.00	13.93	0.00	1.81	0.09	0.00	1.90	0.00	61.38	0.00	0. 0.00
273	5.200	32.52	0.00	0.00	0.00	7.15	13.93	0.00	13.93	0.00	1.79	0.09	0.00	1.88	0.00	60.91	0.00	0. 0.00
274	5.100	32.52	0.00	0.00	0.00	7.06	13.93	0.00	13.93	0.00	1.78	0.09	0.00	1.87	0.00	60.43	0.00	0. 0.00
275	5.000	32.52	0.00	0.00	0.00	6.97	13.93	0.00	13.93	0.00	1.76	0.09	0.00	1.85	0.00	59.96	0.00	0. 0.00

276	4.900	32.52	0.00	0.00	0.00	6.88	13.92	0.00	13.92	0.00	1.75	0.09	0.00	1.84	0.00	59.48	0.00	0.	0.00
277	4.800	32.52	0.00	0.00	0.00	6.79	13.92	0.00	13.92	0.00	1.73	0.09	0.00	1.82	0.00	59.01	0.00	0.	0.00
278	4.700	32.52	0.00	0.00	0.00	6.70	13.92	0.00	13.92	0.00	1.72	0.09	0.00	1.80	0.00	58.53	0.00	0.	0.00
279	4.600	32.51	0.00	0.00	0.00	6.61	13.92	0.00	13.92	0.00	1.70	0.09	0.00	1.79	0.00	58.06	0.00	0.	0.00
280	4.500	32.51	0.00	0.00	0.00	6.52	13.92	0.00	13.92	0.00	1.69	0.09	0.00	1.78	0.00	57.59	0.00	0.	0.00
281	4.400	32.51	0.00	0.00	0.00	6.43	13.92	0.00	13.92	0.00	1.68	0.09	0.00	1.76	0.00	57.11	0.00	0.	0.00
282	4.300	32.51	0.00	0.00	0.00	6.34	13.92	0.00	13.92	0.00	1.66	0.08	0.00	1.75	0.00	56.64	0.00	0.	0.00
283	4.200	32.51	0.00	0.00	0.00	6.25	13.92	0.00	13.92	0.00	1.65	0.08	0.00	1.73	0.00	56.16	0.00	0.	0.00
284	4.100	32.51	0.00	0.00	0.00	6.16	13.92	0.00	13.92	0.00	1.63	0.08	0.00	1.72	0.00	55.69	0.00	0.	0.00
285	4.000	32.51	0.00	0.00	0.00	6.07	13.92	0.00	13.92	0.00	1.62	0.08	0.00	1.70	0.00	55.22	0.00	0.	0.00
286	3.900	32.51	0.00	0.00	0.00	5.98	13.92	0.00	13.92	0.00	1.61	0.08	0.00	1.69	0.00	54.74	0.00	0.	0.00
287	3.800	32.51	0.00	0.00	0.00	5.89	13.92	0.00	13.92	0.00	1.59	0.08	0.00	1.68	0.00	54.27	0.00	0.	0.00
288	3.700	32.51	0.00	0.00	0.00	5.80	13.92	0.00	13.92	0.00	1.58	0.08	0.00	1.66	0.00	53.79	0.00	0.	0.00
289	3.600	32.51	0.00	0.00	0.00	5.71	13.92	0.00	13.92	0.00	1.57	0.08	0.00	1.65	0.00	53.32	0.00	0.	0.00
290	3.500	32.51	0.00	0.00	0.00	5.62	13.92	0.00	13.92	0.00	1.55	0.08	0.00	1.64	0.00	52.84	0.00	0.	0.00
291	3.400	32.50	0.00	0.00	0.00	5.53	13.92	0.00	13.92	0.00	1.54	0.08	0.00	1.62	0.00	52.37	0.00	0.	0.00
292	3.300	32.50	0.00	0.00	0.00	5.44	13.92	0.00	13.92	0.00	1.53	0.08	0.00	1.61	0.00	51.90	0.00	0.	0.00
293	3.200	32.50	0.00	0.00	0.00	5.35	13.92	0.00	13.92	0.00	1.52	0.08	0.00	1.60	0.00	51.42	0.00	0.	0.00
294	3.100	32.50	0.00	0.00	0.00	5.26	13.92	0.00	13.92	0.00	1.50	0.08	0.00	1.58	0.00	50.95	0.00	0.	0.00
295	3.000	32.50	0.00	0.00	0.00	5.18	13.91	0.00	13.91	0.00	1.49	0.08	0.00	1.57	0.00	50.47	0.00	0.	0.00
296	2.900	32.50	0.00	0.00	0.00	5.11	13.89	0.00	13.89	0.00	1.48	0.08	0.00	1.56	0.00	50.00	0.00	0.	0.00

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 7 Lake Verret 3 Baseline Simulation for Lake Verret and Grassy Lake 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
297	UPR RCH	30.28227	32.50	0.00	0.00	0.00	5.11	13.89	0.00	13.89	0.00	1.48	0.08	0.00	0.00	50.00	0.00	0.00
319	WSTLD	0.00010	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
297	2.90	2.80	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
298	2.80	2.70	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
299	2.70	2.60	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
300	2.60	2.50	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
301	2.50	2.40	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
302	2.40	2.30	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
303	2.30	2.20	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
304	2.20	2.10	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
305	2.10	2.00	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
306	2.00	1.90	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
307	1.90	1.80	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
308	1.80	1.70	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
309	1.70	1.60	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
310	1.60	1.50	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
311	1.50	1.40	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
312	1.40	1.30	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
313	1.30	1.20	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
314	1.20	1.10	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020

315	1.10	1.00	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
316	1.00	0.90	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
317	0.90	0.80	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
318	0.80	0.70	30.28227	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
319	0.70	0.60	30.28237	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
320	0.60	0.50	30.28237	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
321	0.50	0.40	30.28237	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
322	0.40	0.30	30.28237	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
323	0.30	0.20	30.28237	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
324	0.20	0.10	30.28237	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
325	0.10	0.00	30.28237	33.2	0.02025	0.06	1.95	767.00	149565.00	76700.00	1495.65	0.00	0.000	0.100	0.020
TOT					1.66			4337385.00	2224300.00						
AVG				0.0202			1.95	767.00			1495.65				
CUM					49.40										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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		
297	2.800	7.25	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.03	0.00	0.50	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00	
298	2.700	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.03	0.00	0.49	0.00	0.00	0.00	4.12	0.00	0.00	0.00	0.00	
299	2.600	7.26	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00	
300	2.500	7.27	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.52	1.52	1.52	0.03	0.00	0.49	0.00	0.00	0.00	3.81	0.00	0.00	0.00	0.00	
301	2.400	7.28	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.51	1.51	1.51	0.03	0.00	0.48	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00	
302	2.300	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.50	0.00	0.00	0.00	0.00	
303	2.200	7.29	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.50	1.50	1.50	0.03	0.00	0.48	0.00	0.00	0.00	3.35	0.00	0.00	0.00	0.00	
304	2.100	7.30	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.47	0.00	0.00	0.00	3.19	0.00	0.00	0.00	0.00	
305	2.000	7.31	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.47	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	
306	1.900	7.32	0.48	0.35	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.46	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00	
307	1.800	7.32	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.48	1.48	1.48	0.03	0.00	0.46	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00	
308	1.700	7.33	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	1.47	0.03	0.00	0.46	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00	
309	1.600	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.47	1.47	1.47	0.03	0.00	0.45	0.00	0.00	0.00	2.44	0.00	0.00	0.00	0.00	
310	1.500	7.34	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	1.46	0.03	0.00	0.45	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00	
311	1.400	7.35	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.46	1.46	1.46	0.03	0.00	0.44	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00	
312	1.300	7.36	0.48	0.34	0.00	0.00	0.00	0.00	0.00	1.45	1.45	1.45	0.03	0.00	0.44	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	
313	1.200	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	1.44	0.03	0.00	0.44	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00	
314	1.100	7.37	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.44	1.44	1.44	0.03	0.00	0.43	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00	
315	1.000	7.38	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.03	0.00	0.43	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00	
316	0.900	7.39	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.03	0.00	0.42	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00	
317	0.800	7.40	0.47	0.34	0.00	0.00	0.00	0.00	0.00	1.42	1.42	1.42	0.03	0.00	0.42	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	
318	0.700	7.40	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.42	1.42	1.42	0.02	0.00	0.41	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	
319	0.600	7.41	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.02	0.00	0.40	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	
320	0.500	7.42	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.41	1.41	1.41	0.02	0.00	0.40	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00	
321	0.400	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.02	0.00	0.39	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	
322	0.300	7.43	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.02	0.00	0.39	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	
323	0.200	7.44	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.02	0.00	0.38	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	
324	0.100	7.45	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.02	0.00	0.37	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	
325	0.000	7.46	0.47	0.33	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.02	0.00	0.37	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	
AVG 20 DEG C RATE			0.38	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/m²/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/m³	PHOS #/100mL	CHL A	MACRO	COLI	NCM
297	2.800	32.44	0.00	0.00	0.00	5.09	13.77	0.00	13.77	0.00	1.48	0.08	0.00	1.56	0.00	48.34	0.00	0.	0.00	
298	2.700	32.38	0.00	0.00	0.00	5.06	13.63	0.00	13.63	0.00	1.48	0.08	0.00	1.56	0.00	46.69	0.00	0.	0.00	
299	2.600	32.32	0.00	0.00	0.00	5.02	13.49	0.00	13.49	0.00	1.48	0.08	0.00	1.56	0.00	45.03	0.00	0.	0.00	
300	2.500	32.27	0.00	0.00	0.00	4.98	13.35	0.00	13.35	0.00	1.48	0.08	0.00	1.56	0.00	43.38	0.00	0.	0.00	
301	2.400	32.21	0.00	0.00	0.00	4.93	13.22	0.00	13.22	0.00	1.47	0.08	0.00	1.55	0.00	41.72	0.00	0.	0.00	
302	2.300	32.15	0.00	0.00	0.00	4.88	13.09	0.00	13.09	0.00	1.47	0.08	0.00	1.55	0.00	40.07	0.00	0.	0.00	
303	2.200	32.09	0.00	0.00	0.00	4.83	12.97	0.00	12.97	0.00	1.47	0.08	0.00	1.55	0.00	38.41	0.00	0.	0.00	
304	2.100	32.03	0.00	0.00	0.00	4.78	12.84	0.00	12.84	0.00	1.47	0.08	0.00	1.55	0.00	36.76	0.00	0.	0.00	
305	2.000	31.97	0.00	0.00	0.00	4.72	12.72	0.00	12.72	0.00	1.47	0.08	0.00	1.54	0.00	35.10	0.00	0.	0.00	
306	1.900	31.91	0.00	0.00	0.00	4.65	12.61	0.00	12.61	0.00	1.46	0.08	0.00	1.54	0.00	33.45	0.00	0.	0.00	
307	1.800	31.86	0.00	0.00	0.00	4.58	12.49	0.00	12.49	0.00	1.46	0.08	0.00	1.54	0.00	31.79	0.00	0.	0.00	
308	1.700	31.80	0.00	0.00	0.00	4.51	12.38	0.00	12.38	0.00	1.46	0.08	0.00	1.54	0.00	30.14	0.00	0.	0.00	
309	1.600	31.74	0.00	0.00	0.00	4.44	12.27	0.00	12.27	0.00	1.46	0.08	0.00	1.54	0.00	28.48	0.00	0.	0.00	
310	1.500	31.68	0.00	0.00	0.00	4.36	12.16	0.00	12.16	0.00	1.46	0.08	0.00	1.53	0.00	26.83	0.00	0.	0.00	
311	1.400	31.62	0.00	0.00	0.00	4.28	12.06	0.00	12.06	0.00	1.45	0.08	0.00	1.53	0.00	25.17	0.00	0.	0.00	
312	1.300	31.56	0.00	0.00	0.00	4.20	11.96	0.00	11.96	0.00	1.45	0.08	0.00	1.53	0.00	23.52	0.00	0.	0.00	
313	1.200	31.50	0.00	0.00	0.00	4.11	11.86	0.00	11.86	0.00	1.45	0.08	0.00	1.53	0.00	21.86	0.00	0.	0.00	
314	1.100	31.44	0.00	0.00	0.00	4.02	11.77	0.00	11.77	0.00	1.45	0.08	0.00	1.53	0.00	20.21	0.00	0.	0.00	
315	1.000	31.39	0.00	0.00	0.00	3.93	11.67	0.00	11.67	0.00	1.44	0.08	0.00	1.52	0.00	18.55	0.00	0.	0.00	
316	0.900	31.33	0.00	0.00	0.00	3.83	11.58	0.00	11.58	0.00	1.44	0.08	0.00	1.52	0.00	16.90	0.00	0.	0.00	
317	0.800	31.27	0.00	0.00	0.00	3.73	11.49	0.00	11.49	0.00	1.44	0.08	0.00	1.52	0.00	15.24	0.00	0.	0.00	
318	0.700	31.21	0.00	0.00	0.00	3.63	11.41	0.00	11.41	0.00	1.44	0.08	0.00	1.52	0.00	13.59	0.00	0.	0.00	
319	0.600	31.15	0.00	0.00	0.00	3.53	11.32	0.00	11.32	0.00	1.44	0.08	0.00	1.52	0.00	11.93	0.00	0.	0.00	
320	0.500	31.09	0.00	0.00	0.00	3.42	11.24	0.00	11.24	0.00	1.43	0.08	0.00	1.51	0.00	10.28	0.00	0.	0.00	
321	0.400	31.03	0.00	0.00	0.00	3.31	11.16	0.00	11.16	0.00	1.43	0.08	0.00	1.51	0.00	8.62	0.00	0.	0.00	
322	0.300	30.98	0.00	0.00	0.00	3.20	11.08	0.00	11.08	0.00	1.43	0.08	0.00	1.51	0.00	6.97	0.00	0.	0.00	
323	0.200	30.92	0.00	0.00	0.00	3.09	11.01	0.00	11.01	0.00	1.43	0.08	0.00	1.51	0.00	5.31	0.00	0.	0.00	
324	0.100	30.86	0.00	0.00	0.00	2.98	10.90	0.00	10.90	0.00	1.42	0.08	0.00	1.50	0.00	3.66	0.00	0.	0.00	
325	0.000	30.80	0.00	0.00	0.00	3.00	10.15	0.00	10.15	0.00	1.30	0.08	0.00	1.38	0.00	2.00	0.00	0.	0.00	

STREAM SUMMARY LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

Grassy Lake Baseline Simulation for Lake Verret and Grassy Lake model

TRAVEL TIME = 49.40 DAYS
MAXIMUM EFFLUENT = 33.18 PERCENT
FLOW = 17.30000 TO 30.28237 m³/s
DISPERSION = 0.1000 TO 0.5000 m²/s
VELOCITY = 0.00347 TO 0.05298 m/s
DEPTH = 1.01 TO 5.24 m
WIDTH = 87.00 TO ****** m
BOD DECAY = 0.20 TO 0.40 per day
NH3 DECAY = 0.05 TO 0.58 per day
SOD = 1.38 TO 7.18 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.17 TO 0.95 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 = 30.80 TO 33.90 deg C
DISSOLVED OXYGEN = 1.18 TO 9.89 mg/L

FINAL REPORT Fourmile Bayou Oxbow LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 3 Fourmile Bayou Oxbow Baseline Simulation for Lake Verret and Grassy Lake 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
56	HDWTR	2.93333	30.00	0.00	0.00	0.00	6.80	25.50	0.00	25.50	0.00	1.70	0.10	0.04	0.00	95.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL AREA m³	TIDAL PRISM m/s	DISPRSN m²/s	MEAN VELO m/s	TIDAL VELO
56	4.20	4.10	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
57	4.10	4.00	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
58	4.00	3.90	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
59	3.90	3.80	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
60	3.80	3.70	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
61	3.70	3.60	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
62	3.60	3.50	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
63	3.50	3.40	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
64	3.40	3.30	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
65	3.30	3.20	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
66	3.20	3.10	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
67	3.10	3.00	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
68	3.00	2.90	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
69	2.90	2.80	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
70	2.80	2.70	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
71	2.70	2.60	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
72	2.60	2.50	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
73	2.50	2.40	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
74	2.40	2.30	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
75	2.30	2.20	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
76	2.20	2.10	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
77	2.10	2.00	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
78	2.00	1.90	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
79	1.90	1.80	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
80	1.80	1.70	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
81	1.70	1.60	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
82	1.60	1.50	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
83	1.50	1.40	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
84	1.40	1.30	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
85	1.30	1.20	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
86	1.20	1.10	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
87	1.10	1.00	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
88	1.00	0.90	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
89	0.90	0.80	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
90	0.80	0.70	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
91	0.70	0.60	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
92	0.60	0.50	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
93	0.50	0.40	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
94	0.40	0.30	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	
95	0.30	0.20	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013	

96	0.20	0.10	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013										
97	0.10	0.00	2.93333	0.0	0.01349	0.09	2.50	87.00	21750.00	8700.00	217.50	0.00	0.000	0.400	0.013										
TOT					3.60			913500.00	365400.00																
AVG				0.0135			2.50	87.00			217.50														
CUM					3.60																				

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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			
56	4.100	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.19	7.19	7.19	0.03	0.00	0.58	0.00	0.00	0.00	8.84	0.00	0.00	0.00	0.00	
57	4.000	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.18	7.18	7.18	0.03	0.00	0.57	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00	
58	3.900	7.08	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.17	7.17	7.17	0.03	0.00	0.57	0.00	0.00	0.00	8.53	0.00	0.00	0.00	0.00	
59	3.800	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.16	7.16	7.16	0.03	0.00	0.56	0.00	0.00	0.00	8.37	0.00	0.00	0.00	0.00	
60	3.700	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.15	7.15	7.15	0.03	0.00	0.55	0.00	0.00	0.00	8.22	0.00	0.00	0.00	0.00	
61	3.600	7.09	0.36	0.40	0.00	0.00	0.00	0.00	0.00	7.13	7.13	7.13	0.03	0.00	0.53	0.00	0.00	0.00	8.06	0.00	0.00	0.00	0.00	
62	3.500	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.12	7.12	7.12	0.03	0.00	0.52	0.00	0.00	0.00	7.91	0.00	0.00	0.00	0.00	
63	3.400	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.11	7.11	7.11	0.03	0.00	0.51	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00	
64	3.300	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.10	7.10	7.10	0.03	0.00	0.49	0.00	0.00	0.00	7.60	0.00	0.00	0.00	0.00	
65	3.200	7.10	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.09	7.09	7.09	0.03	0.00	0.47	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00	
66	3.100	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.08	7.08	7.08	0.03	0.00	0.45	0.00	0.00	0.00	7.29	0.00	0.00	0.00	0.00	
67	3.000	7.11	0.36	0.39	0.00	0.00	0.00	0.00	0.00	7.07	7.07	7.07	0.03	0.00	0.42	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00	
68	2.900	7.11	0.36	0.38	0.00	0.00	0.00	0.00	0.00	7.06	7.06	6.83	0.03	0.00	0.37	0.00	0.00	0.00	6.99	0.00	0.00	0.00	0.00	
69	2.800	7.12	0.36	0.34	0.00	0.00	0.00	0.00	0.00	7.05	7.05	6.06	0.03	0.00	0.23	0.00	0.00	0.00	6.84	0.00	0.00	0.00	0.00	
70	2.700	7.12	0.36	0.31	0.00	0.00	0.00	0.00	0.00	7.04	7.04	5.53	0.03	0.00	0.17	0.00	0.00	0.00	6.69	0.00	0.00	0.00	0.00	
71	2.600	7.12	0.36	0.29	0.00	0.00	0.00	0.00	0.00	7.03	7.03	5.15	0.03	0.00	0.13	0.00	0.00	0.00	6.53	0.00	0.00	0.00	0.00	
72	2.500	7.12	0.36	0.27	0.00	0.00	0.00	0.00	0.00	7.02	7.02	4.87	0.03	0.00	0.10	0.00	0.00	0.00	6.38	0.00	0.00	0.00	0.00	
73	2.400	7.13	0.36	0.26	0.00	0.00	0.00	0.00	0.00	7.01	7.01	4.64	0.03	0.00	0.09	0.00	0.00	0.00	6.23	0.00	0.00	0.00	0.00	
74	2.300	7.13	0.36	0.25	0.00	0.00	0.00	0.00	0.00	7.00	7.00	4.46	0.03	0.00	0.07	0.00	0.00	0.00	6.08	0.00	0.00	0.00	0.00	
75	2.200	7.13	0.36	0.24	0.00	0.00	0.00	0.00	0.00	6.99	6.99	4.30	0.03	0.00	0.06	0.00	0.00	0.00	5.93	0.00	0.00	0.00	0.00	
76	2.100	7.14	0.36	0.23	0.00	0.00	0.00	0.00	0.00	6.98	6.98	4.16	0.03	0.00	0.06	0.00	0.00	0.00	5.78	0.00	0.00	0.00	0.00	
77	2.000	7.14	0.36	0.22	0.00	0.00	0.00	0.00	0.00	6.97	6.97	4.03	0.03	0.00	0.05	0.00	0.00	0.00	5.63	0.00	0.00	0.00	0.00	
78	1.900	7.14	0.36	0.22	0.00	0.00	0.00	0.00	0.00	6.96	6.96	3.90	0.03	0.00	0.05	0.00	0.00	0.00	5.48	0.00	0.00	0.00	0.00	
79	1.800	7.14	0.36	0.21	0.00	0.00	0.00	0.00	0.00	6.94	6.94	3.79	0.03	0.00	0.04	0.00	0.00	0.00	5.34	0.00	0.00	0.00	0.00	
80	1.700	7.15	0.36	0.20	0.00	0.00	0.00	0.00	0.00	6.93	6.93	3.67	0.03	0.00	0.04	0.00	0.00	0.00	5.19	0.00	0.00	0.00	0.00	
81	1.600	7.15	0.36	0.20	0.00	0.00	0.00	0.00	0.00	6.92	6.92	3.56	0.03	0.00	0.03	0.00	0.00	0.00	5.04	0.00	0.00	0.00	0.00	
82	1.500	7.15	0.36	0.19	0.00	0.00	0.00	0.00	0.00	6.91	6.91	3.45	0.03	0.00	0.03	0.00	0.00	0.00	4.89	0.00	0.00	0.00	0.00	
83	1.400	7.15	0.36	0.19	0.00	0.00	0.00	0.00	0.00	6.90	6.90	3.35	0.03	0.00	0.03	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00	
84	1.300	7.16	0.36	0.18	0.00	0.00	0.00	0.00	0.00	6.89	6.89	3.25	0.03	0.00	0.02	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00	
85	1.200	7.16	0.36	0.18	0.00	0.00	0.00	0.00	0.00	6.88	6.88	3.14	0.03	0.00	0.02	0.00	0.00	0.00	4.45	0.00	0.00	0.00	0.00	
86	1.100	7.16	0.36	0.17	0.00	0.00	0.00	0.00	0.00	6.87	6.87	3.05	0.03	0.00	0.02	0.00	0.00	0.00	4.30	0.00	0.00	0.00	0.00	
87	1.000	7.17	0.36	0.16	0.00	0.00	0.00	0.00	0.00	6.86	6.86	2.95	0.03	0.00	0.02	0.00	0.00	0.00	4.16	0.00	0.00	0.00	0.00	
88	0.900	7.17	0.36	0.16	0.00	0.00	0.00	0.00	0.00	6.85	6.85	2.85	0.03	0.00	0.01	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00	
89	0.800	7.17	0.35	0.15	0.00	0.00	0.00	0.00	0.00	6.84	6.84	2.76	0.03	0.00	0.01	0.00	0.00	0.00	3.87	0.00	0.00	0.00	0.00	
90	0.700	7.18	0.35	0.15	0.00	0.00	0.00	0.00	0.00	6.83	6.83	2.66	0.03	0.00	0.01	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00	
91	0.600	7.18	0.35	0.14	0.00	0.00	0.00	0.00	0.00	6.82	6.82	2.57	0.03	0.00	0.01	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00	
92	0.500	7.18	0.35	0.14	0.00	0.00	0.00	0.00	0.00	6.81	6.81	2.48	0.03	0.00	0.01	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00	
93	0.400	7.18	0.35	0.13	0.00	0.00	0.00	0.00	0.00	6.80	6.80	2.40	0.03	0.00	0.01	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00	
94	0.300	7.19	0.35	0.13	0.00	0.00	0.00	0.00	0.00	6.79	6.79	2.32	0.03	0.00	0.01	0.00	0.00	0.00	3.14	0.00	0.00	0.00	0.00	
95	0.200	7.19	0.35	0.13	0.00	0.00	0.00	0.00	0.00	6.78	6.78	2.25	0.03	0.00	0.01	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	
96	0.100	7.19	0.35	0.13	0.00	0.00	0.00	0.00	0.00	6.77	6.77	2.31	0.03	0.00	0.01	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00	

97 0.000 7.20 0.35 0.18 0.00 0.00 0.00 0.00 0.00 6.76 6.76 3.17 0.03 0.00 0.02 0.00 0.00 0.00 2.71 0.00 0.00 0.00 0.00
AVG 20 DEG C RATE 0.28 0.21 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/m²/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/m³	PHOS #/100mL	CHL A	MACRO	COLI	NCM
56	4.100	33.88	0.00	0.00	0.00	6.33	25.59	0.00	25.59	0.00	1.79	0.10	0.01	1.90	0.00	93.45	0.00	0.	0.00
57	4.000	33.85	0.00	0.00	0.00	5.97	25.65	0.00	25.65	0.00	1.86	0.10	0.00	1.96	0.00	91.90	0.00	0.	0.00
58	3.900	33.83	0.00	0.00	0.00	5.61	25.72	0.00	25.72	0.00	1.93	0.10	0.00	2.03	0.00	90.36	0.00	0.	0.00
59	3.800	33.80	0.00	0.00	0.00	5.24	25.78	0.00	25.78	0.00	2.00	0.10	0.00	2.10	0.00	88.81	0.00	0.	0.00
60	3.700	33.78	0.00	0.00	0.00	4.87	25.84	0.00	25.84	0.00	2.07	0.10	0.00	2.17	0.00	87.26	0.00	0.	0.00
61	3.600	33.76	0.00	0.00	0.00	4.50	25.90	0.00	25.90	0.00	2.15	0.10	0.00	2.24	0.00	85.71	0.00	0.	0.00
62	3.500	33.73	0.00	0.00	0.00	4.13	25.96	0.00	25.96	0.00	2.22	0.10	0.00	2.31	0.00	84.17	0.00	0.	0.00
63	3.400	33.71	0.00	0.00	0.00	3.75	26.02	0.00	26.02	0.00	2.29	0.10	0.00	2.39	0.00	82.62	0.00	0.	0.00
64	3.300	33.69	0.00	0.00	0.00	3.37	26.08	0.00	26.08	0.00	2.35	0.10	0.00	2.46	0.00	81.07	0.00	0.	0.00
65	3.200	33.66	0.00	0.00	0.00	3.00	26.14	0.00	26.14	0.00	2.42	0.10	0.00	2.53	0.00	79.52	0.00	0.	0.00
66	3.100	33.64	0.00	0.00	0.00	2.62	26.20	0.00	26.20	0.00	2.49	0.10	0.00	2.60	0.00	77.98	0.00	0.	0.00
67	3.000	33.61	0.00	0.00	0.00	2.25	26.26	0.00	26.26	0.00	2.56	0.11	0.00	2.67	0.00	76.43	0.00	0.	0.00
68	2.900	33.59	0.00	0.00	0.00	1.93	26.37	0.00	26.37	0.00	2.63	0.11	0.00	2.74	0.00	74.88	0.00	0.	0.00
69	2.800	33.57	0.00	0.00	0.00	1.72	26.56	0.00	26.56	0.00	2.70	0.11	0.00	2.82	0.00	73.33	0.00	0.	0.00
70	2.700	33.54	0.00	0.00	0.00	1.57	26.80	0.00	26.80	0.00	2.77	0.12	0.00	2.89	0.00	71.79	0.00	0.	0.00
71	2.600	33.52	0.00	0.00	0.00	1.47	27.08	0.00	27.08	0.00	2.84	0.12	0.00	2.96	0.00	70.24	0.00	0.	0.00
72	2.500	33.50	0.00	0.00	0.00	1.39	27.39	0.00	27.39	0.00	2.91	0.13	0.00	3.04	0.00	68.69	0.00	0.	0.00
73	2.400	33.47	0.00	0.00	0.00	1.32	27.72	0.00	27.72	0.00	2.98	0.13	0.00	3.11	0.00	67.14	0.00	0.	0.00
74	2.300	33.45	0.00	0.00	0.00	1.27	28.07	0.00	28.07	0.00	3.04	0.14	0.00	3.18	0.00	65.60	0.00	0.	0.00
75	2.200	33.42	0.00	0.00	0.00	1.23	28.43	0.00	28.43	0.00	3.11	0.15	0.00	3.26	0.00	64.05	0.00	0.	0.00
76	2.100	33.40	0.00	0.00	0.00	1.19	28.80	0.00	28.80	0.00	3.18	0.15	0.00	3.33	0.00	62.50	0.00	0.	0.00
77	2.000	33.38	0.00	0.00	0.00	1.16	29.18	0.00	29.18	0.00	3.25	0.16	0.00	3.41	0.00	60.95	0.00	0.	0.00
78	1.900	33.35	0.00	0.00	0.00	1.12	29.57	0.00	29.57	0.00	3.32	0.17	0.00	3.48	0.00	59.40	0.00	0.	0.00
79	1.800	33.33	0.00	0.00	0.00	1.09	29.97	0.00	29.97	0.00	3.38	0.17	0.00	3.56	0.00	57.86	0.00	0.	0.00
80	1.700	33.30	0.00	0.00	0.00	1.06	30.37	0.00	30.37	0.00	3.45	0.18	0.00	3.63	0.00	56.31	0.00	0.	0.00
81	1.600	33.28	0.00	0.00	0.00	1.03	30.79	0.00	30.79	0.00	3.52	0.19	0.00	3.71	0.00	54.76	0.00	0.	0.00
82	1.500	33.26	0.00	0.00	0.00	1.00	31.22	0.00	31.22	0.00	3.59	0.20	0.00	3.78	0.00	53.21	0.00	0.	0.00
83	1.400	33.23	0.00	0.00	0.00	0.97	31.65	0.00	31.65	0.00	3.65	0.20	0.00	3.86	0.00	51.67	0.00	0.	0.00
84	1.300	33.21	0.00	0.00	0.00	0.94	32.09	0.00	32.09	0.00	3.72	0.21	0.00	3.93	0.00	50.12	0.00	0.	0.00
85	1.200	33.19	0.00	0.00	0.00	0.91	32.54	0.00	32.54	0.00	3.79	0.22	0.00	4.01	0.00	48.57	0.00	0.	0.00
86	1.100	33.16	0.00	0.00	0.00	0.89	33.00	0.00	33.00	0.00	3.85	0.23	0.00	4.08	0.00	47.02	0.00	0.	0.00
87	1.000	33.14	0.00	0.00	0.00	0.86	33.47	0.00	33.47	0.00	3.92	0.24	0.00	4.16	0.00	45.48	0.00	0.	0.00
88	0.900	33.11	0.00	0.00	0.00	0.83	33.95	0.00	33.95	0.00	3.99	0.24	0.00	4.23	0.00	43.93	0.00	0.	0.00
89	0.800	33.09	0.00	0.00	0.00	0.81	34.43	0.00	34.43	0.00	4.05	0.25	0.00	4.30	0.00	42.38	0.00	0.	0.00
90	0.700	33.07	0.00	0.00	0.00	0.78	34.93	0.00	34.93	0.00	4.12	0.26	0.00	4.38	0.00	40.83	0.00	0.	0.00
91	0.600	33.04	0.00	0.00	0.00	0.75	35.43	0.00	35.43	0.00	4.18	0.27	0.00	4.45	0.00	39.29	0.00	0.	0.00
92	0.500	33.02	0.00	0.00	0.00	0.73	35.94	0.00	35.94	0.00	4.25	0.28	0.00	4.53	0.00	37.74	0.00	0.	0.00
93	0.400	33.00	0.00	0.00	0.00	0.71	36.45	0.00	36.45	0.00	4.31	0.29	0.00	4.60	0.00	36.19	0.00	0.	0.00
94	0.300	32.97	0.00	0.00	0.00	0.68	36.95	0.00	36.95	0.00	4.37	0.30	0.00	4.67	0.00	34.64	0.00	0.	0.00
95	0.200	32.95	0.00	0.00	0.00	0.67	37.32	0.00	37.32	0.00	4.42	0.31	0.00	4.72	0.00	33.10	0.00	0.	0.00
96	0.100	32.92	0.00	0.00	0.00	0.68	37.14	0.00	37.14	0.00	4.38	0.30	0.00	4.69	0.00	31.55	0.00	0.	0.00
97	0.000	32.90	0.00	0.00	0.00	0.94	34.59	0.00	34.59	0.00	4.02	0.26	0.00	4.28	0.00	30.00	0.00	0.	0.00

STREAM SUMMARY — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Fourmile Bayou Oxbow — Baseline Simulation for Lake Verret and Grassy Lake model

```
TRAVEL TIME      =        3.60 DAYS
MAXIMUM EFFLUENT =        0.00 PERCENT
FLOW          =  2.93333 TO   2.93333   m³/s
DISPERSION      =  0.4000  TO   0.4000   m²/s
VELOCITY        =  0.01349 TO   0.01349  m/s
DEPTH          =  2.50   TO   2.50     m
WIDTH          =  87.00   TO   87.00     m
BOD DECAY       =   0.13   TO   0.40     per day
NH3 DECAY       =   0.01   TO   0.58     per day
SOD           =   2.25   TO   7.19     g/m²/d
NH3 SOURCE      =   0.00   TO   0.00     g/m²/d
REAERATION      =   0.35   TO   0.36     per day
BOD SETTLING    =   0.00   TO   0.00     per day
ORG-N DECAY     =   0.03   TO   0.03     per day
ORG-N SETTLING  =   0.00   TO   0.00     per day
TEMPERATURE     =  32.90   TO   33.88     deg C
DISSOLVED OXYGEN =   0.67   TO   6.33     mg/L
LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Baseline Simulation for Lake Verret and Grassy Lake model
REACH SUMMARY REPORT FOR Grassy Lake
RCH REACH NAME                    BEGIN   ENDING   REACH   TRAVEL   FLOW AT   AVERAGE    AVG    AVG  FLOW AT   AVERAGE    AVG    AVG
NO.                          DIST     DIST  LENGTH    TIME     EOR      VELO  DEPTH  WIDTH     EOR     VELO  DEPTH  WIDTH
                            km       km     km     days     m3/s      m/s      m      m      cfs      fps     ft     ft
  1 Grassy Lake              28.30    24.80   3.50    2.85  17.30000   0.01423   1.010 1343.00  610.863   0.047   3.314 4406.38
  2 Fourmile Bayou 1          24.80    22.80   2.00    0.75  17.30000   0.03086   5.240  107.00  610.863   0.101  17.192  351.07
  4 Fourmile Bayou 2          22.80    19.40   3.40    0.74  20.23333   0.05298   4.390   87.00  714.439   0.174  14.404  285.45
  5 Lake Verret 1            19.40    14.50   4.90    4.75  30.26918   0.01194   1.340 1892.00 1068.805   0.039   4.397 6207.65
  6 Lake Verret 2            14.50     2.90  11.60   38.65  30.28227   0.00347   2.130 4092.00 1069.267   0.011   6.98913425.85
  7 Lake Verret 3             2.90     0.00   2.90    1.66  30.28237   0.02025   1.950  767.00 1069.270   0.066   6.398 2516.53
LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Baseline Simulation for Lake Verret and Grassy Lake model
REACH SUMMARY REPORT FOR Fourmile Bayou Oxbow
RCH REACH NAME                    BEGIN   ENDING   REACH   TRAVEL   FLOW AT   AVERAGE    AVG    AVG  FLOW AT   AVERAGE    AVG    AVG
NO.                          DIST     DIST  LENGTH    TIME     EOR      VELO  DEPTH  WIDTH     EOR     VELO  DEPTH  WIDTH
                            km       km     km     days     m3/s      m/s      m      m      cfs      fps     ft     ft
  3 Fourmile Bayou Oxbow      4.20     0.00   4.20    3.60   2.93333   0.01349   2.500   87.00  103.576   0.044   8.202  285.45
DISSOLVED OXYGEN LOADING FOR REACH   1: Grassy Lake
IOR  UPMN   UPTR   LOWR  UPMN  UPTR  LOWR  INCR  INCR  NONP  WSLD  WITH  REAE  BOD1 NH3-N ORG-N  NCM   SOD   SOD   SOD   SOD  ALG  ALG  MAC   TOT   TOT
     ADV    ADV    ADV  DISP  DISP  DISP   IN   OUT   IN    IN   OUT   IN   DECA  DECA  DECA  DECA  BKGD  BOD1  ALG  NCM  PHOT  RESP  PHOT   OUT   IN
  1 11713.   0. -11712.  0.   0.  -1.   0.   0.   0.   0.   0. 60.-1050. -32.   0.   0. -215.   0.   0.   0. 1237.   0.   0. -13009.9 13009.9  0.00
  2 11712.   0. -11710.  1.   0.  -2.   0.   0.   0.   0.   0. 60.-1051. -32.   0.   0. -215.   0.   0.   0. 1237.   0.   0. -13010.0 13010.0  0.00
  3 11710.   0. -11705.  2.   0.  -2.   0.   0.   0.   0.   0. 60.-1053. -32.   0.   0. -215.   0.   0.   0. 1236.   0.   0. -13007.7 13007.7  0.00
  4 11705.   0. -11697.  2.   0.  -3.   0.   0.   0.   0.   0. 60.-1055. -31.   0.   0. -216.   0.   0.   0. 1236.   0.   0. -13003.1 13003.1  0.00
  5 11697.   0. -11688.  3.   0.  -4.   0.   0.   0.   0.   0. 60.-1057. -31.   0.   0. -216.   0.   0.   0. 1235.   0.   0. -12996.4 12996.4  0.00
  6 11688.   0. -11677.  4.   0.  -4.   0.   0.   0.   0.   0. 61.-1059. -31.   0.   0. -216.   0.   0.   0. 1235.   0.   0. -12987.7 12987.7  0.00
  7 11677.   0. -11664.  4.   0.  -5.   0.   0.   0.   0.   0. 61.-1061. -31.   0.   0. -217.   0.   0.   0. 1235.   0.   0. -12977.3 12977.3  0.00
  8 11664.   0. -11650.  5.   0.  -5.   0.   0.   0.   0.   0. 62.-1062. -31.   0.   0. -217.   0.   0.   0. 1234.   0.   0. -12965.2 12965.2  0.00
  9 11650.   0. -11634.  5.   0.  -6.   0.   0.   0.   0.   0. 63.-1064. -31.   0.   0. -217.   0.   0.   0. 1234.   0.   0. -12951.6 12951.6  0.00
 10 11634.   0. -11617.  6.   0.  -6.   0.   0.   0.   0.   0. 64.-1066. -31.   0.   0. -218.   0.   0.   0. 1233.   0.   0. -12936.6 12936.6  0.00
 11 11617.   0. -11598.  6.   0.  -7.   0.   0.   0.   0.   0. 65.-1067. -30.   0.   0. -218.   0.   0.   0. 1233.   0.   0. -12920.4 12920.4  0.00
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12	11598.	0.	-11579.	7.	0.	-7.	0.	0.	0.	0.	0.	66.	-1069.	-30.	0.	0.	-218.	0.	0.	0.	1232.	0.	0.	-12903.0	12903.0	0.00
13	11579.	0.	-11558.	7.	0.	-7.	0.	0.	0.	0.	0.	67.	-1070.	-30.	0.	0.	-219.	0.	0.	0.	1232.	0.	0.	-12884.4	12884.4	0.00
14	11558.	0.	-11537.	7.	0.	-7.	0.	0.	0.	0.	0.	68.	-1072.	-30.	0.	0.	-219.	0.	0.	0.	1231.	0.	0.	-12864.9	12864.9	0.00
15	11537.	0.	-11514.	7.	0.	-8.	0.	0.	0.	0.	0.	70.	-1073.	-30.	0.	0.	-219.	0.	0.	0.	1231.	0.	0.	-12844.6	12844.6	0.00
16	11514.	0.	-11491.	8.	0.	-8.	0.	0.	0.	0.	0.	71.	-1075.	-30.	0.	0.	-220.	0.	0.	0.	1230.	0.	0.	-12823.3	12823.3	0.00
17	11491.	0.	-11467.	8.	0.	-8.	0.	0.	0.	0.	0.	73.	-1076.	-30.	0.	0.	-220.	0.	0.	0.	1230.	0.	0.	-12801.4	12801.4	0.00
18	11467.	0.	-11443.	8.	0.	-8.	0.	0.	0.	0.	0.	74.	-1077.	-30.	0.	0.	-220.	0.	0.	0.	1229.	0.	0.	-12778.8	12778.8	0.00
19	11443.	0.	-11418.	8.	0.	-9.	0.	0.	0.	0.	0.	76.	-1079.	-30.	0.	0.	-220.	0.	0.	0.	1229.	0.	0.	-12755.5	12755.5	0.00
20	11418.	0.	-11392.	9.	0.	-9.	0.	0.	0.	0.	0.	77.	-1080.	-30.	0.	0.	-221.	0.	0.	0.	1228.	0.	0.	-12731.7	12731.7	0.00
21	11392.	0.	-11366.	9.	0.	-9.	0.	0.	0.	0.	0.	79.	-1081.	-30.	0.	0.	-221.	0.	0.	0.	1227.	0.	0.	-12707.4	12707.4	0.00
22	11366.	0.	-11340.	9.	0.	-9.	0.	0.	0.	0.	0.	80.	-1082.	-30.	0.	0.	-221.	0.	0.	0.	1227.	0.	0.	-12682.7	12682.7	0.00
23	11340.	0.	-11313.	9.	0.	-9.	0.	0.	0.	0.	0.	82.	-1084.	-30.	0.	0.	-222.	0.	0.	0.	1226.	0.	0.	-12657.5	12657.5	0.00
24	11313.	0.	-11286.	9.	0.	-9.	0.	0.	0.	0.	0.	84.	-1085.	-30.	0.	0.	-222.	0.	0.	0.	1226.	0.	0.	-12632.0	12632.0	0.00
25	11286.	0.	-11259.	9.	0.	-10.	0.	0.	0.	0.	0.	85.	-1086.	-30.	0.	0.	-222.	0.	0.	0.	1225.	0.	0.	-12606.2	12606.2	0.00
26	11259.	0.	-9602.	10.	0.	-11.	0.	0.	0.	0.	-1628.	87.	-1087.	-30.	0.	0.	-223.	0.	0.	0.	1225.	0.	0.	-12580.2	12580.2	0.00
27	9602.	0.	-9574.	11.	0.	-11.	0.	0.	0.	0.	0.	89.	-1088.	-30.	0.	0.	-223.	0.	0.	0.	1224.	0.	0.	-10926.2	10926.2	0.00
28	9574.	0.	-9547.	11.	0.	-11.	0.	0.	0.	0.	0.	91.	-1089.	-30.	0.	0.	-223.	0.	0.	0.	1224.	0.	0.	-10900.3	10900.3	0.00
29	9547.	0.	-9520.	11.	0.	-11.	0.	0.	0.	0.	0.	93.	-1090.	-30.	0.	0.	-224.	0.	0.	0.	1223.	0.	0.	-10874.5	10874.5	0.00
30	9520.	0.	-9493.	11.	0.	-11.	0.	0.	0.	0.	0.	95.	-1091.	-30.	0.	0.	-224.	0.	0.	0.	1223.	0.	0.	-10848.8	10848.8	0.00
31	9493.	0.	-9466.	11.	0.	-11.	0.	0.	0.	0.	0.	97.	-1092.	-30.	0.	0.	-224.	0.	0.	0.	1222.	0.	0.	-10823.3	10823.3	0.00
32	9466.	0.	-9439.	11.	0.	-11.	0.	0.	0.	0.	0.	99.	-1093.	-30.	0.	0.	-225.	0.	0.	0.	1222.	0.	0.	-10797.8	10797.8	0.00
33	9439.	0.	-9412.	11.	0.	-12.	0.	0.	0.	0.	0.	102.	-1094.	-30.	0.	0.	-225.	0.	0.	0.	1221.	0.	0.	-10772.5	10772.5	0.00
34	9412.	0.	-9382.	12.	0.	-15.	0.	0.	0.	0.	0.	104.	-1095.	-31.	0.	0.	-225.	0.	0.	0.	1221.	0.	0.	-10747.7	10747.7	0.00
35	9382.	0.	-9342.	15.	0.	-29.	0.	0.	0.	0.	0.	107.	-1096.	-31.	0.	0.	-226.	0.	0.	0.	1220.	0.	0.	-10724.0	10723.9	0.00
36	9342.	0.	-9230.	29.	0.	-18.	0.	0.	0.	0.	0.	9.	-528.	-13.	0.	0.	-77.	0.	0.	0.	486.	0.	0.	-9866.3	9866.3	0.00
37	9230.	0.	-9088.	18.	0.	-21.	0.	0.	0.	0.	0.	10.	-528.	-13.	0.	0.	-77.	0.	0.	0.	468.	0.	0.	-9725.9	9725.9	0.00
38	9088.	0.	-8929.	21.	0.	-23.	0.	0.	0.	0.	0.	11.	-528.	-12.	0.	0.	-76.	0.	0.	0.	449.	0.	0.	-9568.8	9568.8	0.00
39	8929.	0.	-8754.	23.	0.	-25.	0.	0.	0.	0.	0.	12.	-528.	-12.	0.	0.	-76.	0.	0.	0.	431.	0.	0.	-9395.2	9395.2	0.00
40	8754.	0.	-8563.	25.	0.	-27.	0.	0.	0.	0.	0.	13.	-528.	-12.	0.	0.	-76.	0.	0.	0.	413.	0.	0.	-9205.4	9205.4	0.00
41	8563.	0.	-8355.	27.	0.	-29.	0.	0.	0.	0.	0.	15.	-528.	-12.	0.	0.	-76.	0.	0.	0.	395.	0.	0.	-8999.3	8999.3	0.00
42	8355.	0.	-8131.	29.	0.	-31.	0.	0.	0.	0.	0.	16.	-527.	-12.	0.	0.	-75.	0.	0.	0.	377.	0.	0.	-8777.4	8777.4	0.00
43	8131.	0.	-7892.	31.	0.	-33.	0.	0.	0.	0.	0.	18.	-527.	-12.	0.	0.	-75.	0.	0.	0.	360.	0.	0.	-8539.7	8539.7	0.00
44	7892.	0.	-7637.	33.	0.	-35.	0.	0.	0.	0.	0.	19.	-527.	-12.	0.	0.	-75.	0.	0.	0.	342.	0.	0.	-8286.3	8286.3	0.00
45	7637.	0.	-7367.	35.	0.	-37.	0.	0.	0.	0.	0.	21.	-527.	-12.	0.	0.	-75.	0.	0.	0.	324.	0.	0.	-8017.6	8017.6	0.00
46	7367.	0.	-7082.	37.	0.	-39.	0.	0.	0.	0.	0.	23.	-527.	-12.	0.	0.	-74.	0.	0.	0.	307.	0.	0.	-7733.6	7733.6	0.00
47	7082.	0.	-6781.	39.	0.	-41.	0.	0.	0.	0.	0.	25.	-527.	-12.	0.	0.	-74.	0.	0.	0.	289.	0.	0.	-7434.6	7434.6	0.00
48	6781.	0.	-6466.	41.	0.	-43.	0.	0.	0.	0.	0.	27.	-527.	-12.	0.	0.	-74.	0.	0.	0.	272.	0.	0.	-7120.8	7120.8	0.00
49	6466.	0.	-6136.	43.	0.	-45.	0.	0.	0.	0.	0.	29.	-526.	-11.	0.	0.	-74.	0.	0.	0.	254.	0.	0.	-6792.2	6792.2	0.00
50	6136.	0.	-5792.	45.	0.	-47.	0.	0.	0.	0.	0.	31.	-526.	-11.	0.	0.	-73.	0.	0.	0.	237.	0.	0.	-6449.1	6449.1	0.00
51	5792.	0.	-5433.	47.	0.	-48.	0.	0.	0.	0.	0.	34.	-526.	-11.	0.	0.	-73.	0.	0.	0.	220.	0.	0.	-6091.7	6091.7	0.00
52	5433.	0.	-5060.	48.	0.	-50.	0.	0.	0.	0.	0.	36.	-526.	-11.	0.	0.	-73.	0.	0.	0.	203.	0.	0.	-5720.1	5720.1	0.00
53	5060.	0.	-4673.	50.	0.	-52.	0.	0.	0.	0.	0.	38.	-526.	-11.	0.	0.	-73.	0.	0.	0.	186.	0.	0.	-5334.5	5334.5	0.00
54	4673.	0.	-4272.	52.	0.	-55.	0.	0.	0.	0.	0.	41.	-526.	-10.	0.	0.	-73.	0.	0.	0.	169.	0.	0.	-4935.2	4935.2	0.00
55	4272.	0.	-3851.	55.	0.	-60.	0.	0.	0.	0.	0.	44.	-529.	-10.	0.	0.	-72.	0.	0.	0.	152.	0.	0.	-4522.0	4522.0	0.00
98	3851.	238.	-3695.	60.	-139.	-11.	0.	0.	0.	0.	0.	39.	-386.	-8.	0.	0.	-59.	0.	0.	0.	111.	0.	0.	-4298.5	4298.5	-0.09
99	3695.	0.	-3412.	11.	0.	-9.	0.	0.	0.	0.	0.	40.	-377.	-8.	0.	0.	-57.	0.	0.	0.	118.	0.	0.	-3864.0	3864.0	0.00
100	3412.	0.	-3170.	9.	0.	-8.	0.	0.	0.	0.	0.	41.	-351.	-6.	0.	0.	-53.	0.	0.	0.	125.	0.	0.	-3587.9	3587.9	0.04
101	3170.	0.	-2963.	8.	0.	-7.	0.	0.	0.	0.	0.	42.	-328.	-5.	0.	0.	-50.	0.	0.	0.	132.	0.	0.	-3352.2	3352.2	0.05

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

IOR	UPMN	UPTR	LOWR	UPMN	UPTR	LOWR	INCR	INCR	NONP	WSLD	WITH	REAE	BOD1	NH3-N	ORG-N	NCM	SOD	SOD	SOD	SOD	ALG	ALG	MAC	TOT	TOT

	ADV	ADV	ADV	DISP	DISP	DISP	IN	OUT	IN	IN	OUT	IN	DECA	DECA	DECA	DECA	BKGD	BOD1	ALG	NCM	PHOT	RESP	PHOT	OUT	IN
102	2963.	0.	-2787.	7.	0.	-6.	0.	0.	0.	0.	0.	43.	-309.	-4.	0.	0.	-47.	0.	0.	0.	139.	0.	0.	-3151.8	3151.8	0.04
103	2787.	0.	-2637.	6.	0.	-5.	0.	0.	0.	0.	0.	44.	-293.	-3.	0.	0.	-44.	0.	0.	0.	146.	0.	0.	-2982.1	2982.1	0.03
104	2637.	0.	-2511.	5.	0.	-4.	0.	0.	0.	0.	0.	44.	-280.	-3.	0.	0.	-42.	0.	0.	0.	153.	0.	0.	-2839.3	2839.3	0.02
105	2511.	0.	-2406.	4.	0.	-3.	0.	0.	0.	0.	0.	45.	-268.	-2.	0.	0.	-40.	0.	0.	0.	160.	0.	0.	-2720.2	2720.2	0.01
106	2406.	0.	-2319.	3.	0.	-3.	0.	0.	0.	0.	0.	45.	-259.	-2.	0.	0.	-39.	0.	0.	0.	167.	0.	0.	-2621.7	2621.7	-0.01
107	2319.	0.	-2248.	3.	0.	-2.	0.	0.	0.	0.	0.	45.	-252.	-2.	0.	0.	-38.	0.	0.	0.	174.	0.	0.	-2541.5	2541.5	-0.02
108	2248.	0.	-2191.	2.	0.	-2.	0.	0.	0.	0.	0.	46.	-246.	-2.	0.	0.	-37.	0.	0.	0.	182.	0.	0.	-2477.4	2477.3	-0.03
109	2191.	0.	-2147.	2.	0.	-1.	0.	0.	0.	0.	0.	46.	-242.	-1.	0.	0.	-36.	0.	0.	0.	189.	0.	0.	-2427.3	2427.3	-0.03
110	2147.	0.	-2113.	1.	0.	-1.	0.	0.	0.	0.	0.	46.	-239.	-1.	0.	0.	-35.	0.	0.	0.	196.	0.	0.	-2389.6	2389.6	-0.04
111	2113.	0.	-2089.	1.	0.	-1.	0.	0.	0.	0.	0.	46.	-237.	-1.	0.	0.	-35.	0.	0.	0.	203.	0.	0.	-2362.9	2362.9	-0.04
112	2089.	0.	-2074.	1.	0.	0.	0.	0.	0.	0.	0.	46.	-236.	-1.	0.	0.	-35.	0.	0.	0.	210.	0.	0.	-2345.8	2345.7	-0.03
113	2074.	0.	-2066.	0.	0.	0.	0.	0.	0.	0.	0.	46.	-236.	-1.	0.	0.	-35.	0.	0.	0.	217.	0.	0.	-2337.1	2337.1	-0.03
114	2066.	0.	-2064.	0.	0.	0.	0.	0.	0.	0.	0.	46.	-236.	-1.	0.	0.	-35.	0.	0.	0.	224.	0.	0.	-2336.0	2336.0	-0.02
115	2064.	0.	-2068.	0.	0.	0.	0.	0.	0.	0.	0.	46.	-237.	-1.	0.	0.	-35.	0.	0.	0.	231.	0.	0.	-2341.6	2341.6	-0.01
116	2068.	0.	-2077.	0.	0.	1.	0.	0.	0.	0.	0.	46.	-239.	-1.	0.	0.	-35.	0.	0.	0.	238.	0.	0.	-2353.0	2353.0	-0.01
117	2077.	0.	-2091.	-1.	0.	1.	0.	0.	0.	0.	0.	46.	-241.	-1.	0.	0.	-35.	0.	0.	0.	245.	0.	0.	-2369.4	2369.5	0.00
118	2091.	0.	-2109.	-1.	0.	1.	0.	0.	0.	0.	0.	46.	-244.	-2.	0.	0.	-35.	0.	0.	0.	252.	0.	0.	-2390.3	2390.3	0.01
119	2109.	0.	-2130.	-1.	0.	1.	0.	0.	0.	0.	0.	46.	-247.	-2.	0.	0.	-36.	0.	0.	0.	259.	0.	0.	-2414.9	2415.0	0.02
120	2130.	0.	-2154.	-1.	0.	1.	0.	0.	0.	0.	0.	46.	-250.	-2.	0.	0.	-36.	0.	0.	0.	266.	0.	0.	-2443.0	2443.0	0.02
121	2154.	0.	-2181.	-1.	0.	1.	0.	0.	0.	0.	0.	46.	-254.	-2.	0.	0.	-37.	0.	0.	0.	273.	0.	0.	-2474.1	2474.1	0.03
122	2181.	0.	-2210.	-1.	0.	1.	0.	0.	0.	0.	0.	46.	-258.	-2.	0.	0.	-37.	0.	0.	0.	280.	0.	0.	-2507.7	2507.8	0.03
123	2210.	0.	-2241.	-1.	0.	1.	0.	0.	0.	0.	0.	46.	-262.	-2.	0.	0.	-38.	0.	0.	0.	287.	0.	0.	-2543.7	2543.8	0.03
124	2241.	0.	-2273.	-1.	0.	1.	0.	0.	0.	0.	0.	45.	-267.	-2.	0.	0.	-38.	0.	0.	0.	295.	0.	0.	-2581.7	2581.8	0.03
125	2273.	0.	-2308.	-1.	0.	1.	0.	0.	0.	0.	0.	45.	-271.	-2.	0.	0.	-39.	0.	0.	0.	302.	0.	0.	-2621.5	2621.5	0.03
126	2308.	0.	-2344.	-1.	0.	1.	0.	0.	0.	0.	0.	45.	-276.	-2.	0.	0.	-39.	0.	0.	0.	309.	0.	0.	-2662.8	2662.9	0.03
127	2344.	0.	-2381.	-1.	0.	1.	0.	0.	0.	0.	0.	45.	-281.	-3.	0.	0.	-40.	0.	0.	0.	316.	0.	0.	-2705.5	2705.5	0.03
128	2381.	0.	-2419.	-1.	0.	1.	0.	0.	0.	0.	0.	45.	-286.	-3.	0.	0.	-40.	0.	0.	0.	323.	0.	0.	-2749.4	2749.4	0.02
129	2419.	0.	-2458.	-1.	0.	2.	0.	0.	0.	0.	0.	45.	-291.	-3.	0.	0.	-41.	0.	0.	0.	330.	0.	0.	-2794.8	2794.9	0.02
130	2458.	0.	-2511.	-2.	0.	17.	0.	0.	0.	0.	0.	44.	-298.	-3.	0.	0.	-42.	0.	0.	0.	337.	0.	0.	-2856.0	2856.0	0.01
131	2511.	0.	-2959.	-17.	0.	482.	0.	0.	0.	0.	0.	42.	-347.	-6.	0.	0.	-49.	0.	0.	0.	344.	0.	0.	-3378.7	3378.7	-0.01
132	2959.	0.	-9424.	-482.	0.	37.	0.	0.	0.	6588.	0.	645.	-1894.	-80.	0.	0.	-635.	0.	0.	0.	2284.	0.	0.	-12514.1	12513.9	-0.22
133	9424.	0.	-9647.	-37.	0.	25.	0.	0.	0.	0.	0.	630.	-1964.	-81.	0.	0.	-635.	0.	0.	0.	2286.	0.	0.	-12364.3	12364.2	-0.09
134	9647.	0.	-9795.	-25.	0.	13.	0.	0.	0.	0.	0.	620.	-2032.	-81.	0.	0.	-635.	0.	0.	0.	2288.	0.	0.	-12568.0	12568.0	0.00
135	9795.	0.	-9874.	-13.	0.	3.	0.	0.	0.	0.	0.	614.	-2098.	-82.	0.	0.	-635.	0.	0.	0.	2290.	0.	0.	-12701.7	12701.7	0.00
136	9874.	0.	-9890.	-3.	0.	-7.	0.	0.	0.	0.	0.	613.	-2162.	-83.	0.	0.	-635.	0.	0.	0.	2291.	0.	0.	-12778.5	12778.5	0.00
137	9890.	0.	-9848.	7.	0.	-16.	0.	0.	0.	0.	0.	616.	-2225.	-83.	0.	0.	-634.	0.	0.	0.	2293.	0.	0.	-12806.1	12806.1	0.00
138	9848.	0.	-9756.	16.	0.	-23.	0.	0.	0.	0.	0.	623.	-2285.	-83.	0.	0.	-634.	0.	0.	0.	2295.	0.	0.	-12781.9	12781.9	0.00
139	9756.	0.	-9616.	23.	0.	-31.	0.	0.	0.	0.	0.	632.	-2345.	-83.	0.	0.	-634.	0.	0.	0.	2297.	0.	0.	-12708.3	12708.4	0.00
140	9616.	0.	-9434.	31.	0.	-37.	0.	0.	0.	1.	0.	645.	-2402.	-84.	0.	0.	-634.	0.	0.	0.	2299.	0.	0.	-12590.9	12590.9	0.00
141	9434.	0.	-9214.	37.	0.	-43.	0.	0.	0.	0.	0.	660.	-2458.	-84.	0.	0.	-634.	0.	0.	0.	2301.	0.	0.	-12431.9	12431.9	0.00
142	9214.	0.	-8959.	43.	0.	-48.	0.	0.	0.	0.	0.	677.	-2513.	-83.	0.	0.	-634.	0.	0.	0.	2303.	0.	0.	-12236.5	12236.5	0.00
143	8959.	0.	-8674.	48.	0.	-52.	0.	0.	0.	0.	0.	697.	-2565.	-83.	0.	0.	-634.	0.	0.	0.	2305.	0.	0.	-12008.5	12008.5	0.00
144	8674.	0.	-8362.	52.	0.	-56.	0.	0.	0.	0.	0.	718.	-2617.	-83.	0.	0.	-633.	0.	0.	0.	2307.	0.	0.	-11751.3	11751.3	0.00
145	8362.	0.	-8026.	56.	0.	-60.	0.	0.	0.	0.	0.	741.	-2667.	-82.	0.	0.	-633.	0.	0.	0.	2309.	0.	0.	-11468.2	11468.2	0.00
146	8026.	0.	-7669.	60.	0.	-63.	0.	0.	0.	0.	0.	766.	-2716.	-82.	0.	0.	-633.	0.	0.	0.	2310.	0.	0.	-11162.0	11162.0	0.00
147	7669.	0.	-7293.	63.	0.	-66.	0.	0.	0.	0.	0.	791.	-2763.	-81.	0.	0.	-633.	0.	0.	0.	2312.	0.	0.	-10835.5	10835.5	0.00
148	7293.	0.	-6902.	66.	0.	-68.	0.	0.	0.	0.	0.	818.	-2809.	-80.	0.	0.	-633.	0.	0.	0.	2314.	0.	0.	-10491.3	10491.3	0.00
149	6902.	0.	-6497.	68.	0.	-70.	0.	0.	0.	0.	0.	846.	-2854.	-79.	0.	0.	-633.	0.	0.	0.	2316.	0.	0.	-10131.9	10131.9	0.00
150	6497.	0.	-6080.	70.	0.	-71.	0.	0.	0.	0.	0.	874.	-2897.	-78.	0.	0.	-632.	0.	0.	0.	2318.	0.	0.	-9758.9	9758.9	0.01

151	6080.	0.	-5657.	71.	0.	-69.	0.	0.	0.	0.	0.	903.	-2940.	-76.	0.	0.	-632.	0.	0.	0.	2320.	0.	0.	-9374.6	9374.6	0.01
152	5657.	0.	-5247.	69.	0.	-44.	0.	0.	0.	0.	0.	932.	-2982.	-75.	0.	0.	-632.	0.	0.	0.	2322.	0.	0.	-8979.4	8979.3	-0.05
153	5247.	0.	-4984.	44.	0.	-29.	0.	0.	0.	0.	0.	950.	-2883.	-66.	0.	0.	-602.	0.	0.	0.	2324.	0.	0.	-8563.9	8563.9	0.05
154	4984.	0.	-4813.	29.	0.	-20.	0.	0.	0.	0.	0.	961.	-2827.	-59.	0.	0.	-581.	0.	0.	0.	2325.	0.	0.	-8299.2	8299.2	-0.01
155	4813.	0.	-4694.	20.	0.	-15.	0.	0.	0.	0.	0.	969.	-2799.	-55.	0.	0.	-567.	0.	0.	0.	2327.	0.	0.	-8129.4	8129.4	-0.01
156	4694.	0.	-4607.	15.	0.	-12.	0.	0.	0.	0.	0.	975.	-2787.	-52.	0.	0.	-556.	0.	0.	0.	2329.	0.	0.	-8013.8	8013.8	0.00
157	4607.	0.	-4536.	12.	0.	-10.	0.	0.	0.	0.	0.	980.	-2786.	-50.	0.	0.	-547.	0.	0.	0.	2331.	0.	0.	-7929.6	7929.6	0.00
158	4536.	0.	-4477.	10.	0.	-9.	0.	0.	0.	0.	0.	984.	-2789.	-49.	0.	0.	-540.	0.	0.	0.	2333.	0.	0.	-7863.7	7863.7	0.00
159	4477.	0.	-4424.	9.	0.	-8.	0.	0.	0.	0.	0.	988.	-2795.	-48.	0.	0.	-534.	0.	0.	0.	2335.	0.	0.	-7808.6	7808.6	0.00
160	4424.	0.	-4375.	8.	0.	-8.	0.	0.	0.	0.	0.	991.	-2803.	-47.	0.	0.	-528.	0.	0.	0.	2337.	0.	0.	-7760.2	7760.2	-0.01

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

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
161	4375.	0.	-4329.	8.	0.	-7.	0.	0.	0.	0.	0.	994.	-2811.	-46.	0.	0.	-522.	0.	0.	0.	2339.	0.	0.	-7715.9	7715.9	-0.01
162	4329.	0.	-4285.	7.	0.	-7.	0.	0.	0.	0.	0.	997.	-2820.	-45.	0.	0.	-516.	0.	0.	0.	2341.	0.	0.	-7674.5	7674.5	-0.02
163	4285.	0.	-4243.	7.	0.	-7.	0.	0.	0.	0.	0.	1000.	-2829.	-45.	0.	0.	-511.	0.	0.	0.	2342.	0.	0.	-7635.1	7635.1	-0.02
164	4243.	0.	-4202.	7.	0.	-7.	0.	0.	0.	0.	0.	1003.	-2838.	-44.	0.	0.	-506.	0.	0.	0.	2344.	0.	0.	-7597.3	7597.3	-0.02
165	4202.	0.	-4162.	7.	0.	-6.	0.	0.	0.	0.	0.	1006.	-2847.	-43.	0.	0.	-501.	0.	0.	0.	2346.	0.	0.	-7560.8	7560.8	-0.02
166	4162.	0.	-4124.	6.	0.	-6.	0.	0.	0.	0.	0.	1009.	-2856.	-43.	0.	0.	-497.	0.	0.	0.	2348.	0.	0.	-7525.4	7525.4	-0.02
167	4124.	0.	-4086.	6.	0.	-6.	0.	0.	0.	0.	0.	1011.	-2865.	-42.	0.	0.	-492.	0.	0.	0.	2350.	0.	0.	-7491.1	7491.1	-0.02
168	4086.	0.	-4050.	6.	0.	-6.	0.	0.	0.	0.	0.	1014.	-2873.	-42.	0.	0.	-487.	0.	0.	0.	2352.	0.	0.	-7457.8	7457.8	-0.02
169	4050.	0.	-4014.	6.	0.	-6.	0.	0.	0.	0.	0.	1016.	-2881.	-41.	0.	0.	-483.	0.	0.	0.	2354.	0.	0.	-7425.4	7425.3	-0.02
170	4014.	0.	-3979.	6.	0.	-6.	0.	0.	0.	0.	0.	1019.	-2890.	-41.	0.	0.	-479.	0.	0.	0.	2356.	0.	0.	-7393.8	7393.8	-0.03
171	3979.	0.	-3945.	6.	0.	-6.	0.	0.	0.	0.	0.	1021.	-2898.	-40.	0.	0.	-474.	0.	0.	0.	2357.	0.	0.	-7363.0	7363.0	-0.03
172	3945.	0.	-3912.	6.	0.	-5.	0.	0.	0.	0.	0.	1023.	-2906.	-40.	0.	0.	-470.	0.	0.	0.	2359.	0.	0.	-7333.1	7333.0	-0.03
173	3912.	0.	-3880.	5.	0.	-5.	0.	0.	0.	0.	0.	1025.	-2913.	-39.	0.	0.	-466.	0.	0.	0.	2361.	0.	0.	-7303.9	7303.8	-0.03
174	3880.	0.	-3848.	5.	0.	-5.	0.	0.	0.	0.	0.	1028.	-2921.	-39.	0.	0.	-462.	0.	0.	0.	2363.	0.	0.	-7275.4	7275.4	-0.03
175	3848.	0.	-3817.	5.	0.	-5.	0.	0.	0.	0.	0.	1030.	-2928.	-39.	0.	0.	-459.	0.	0.	0.	2365.	0.	0.	-7247.6	7247.6	-0.03
176	3817.	0.	-3787.	5.	0.	-5.	0.	0.	0.	0.	0.	1032.	-2936.	-38.	0.	0.	-455.	0.	0.	0.	2367.	0.	0.	-7220.5	7220.5	-0.03
177	3787.	0.	-3757.	5.	0.	-5.	0.	0.	0.	0.	0.	1034.	-2943.	-38.	0.	0.	-451.	0.	0.	0.	2369.	0.	0.	-7194.1	7194.0	-0.04
178	3757.	0.	-3729.	5.	0.	-4.	0.	0.	0.	0.	0.	1036.	-2950.	-38.	0.	0.	-448.	0.	0.	0.	2370.	0.	0.	-7168.2	7168.2	-0.04
179	3729.	0.	-3705.	4.	0.	-3.	0.	0.	0.	0.	0.	1037.	-2954.	-38.	0.	0.	-445.	0.	0.	0.	2372.	0.	0.	-7142.9	7142.9	-0.04
180	3705.	0.	-3689.	3.	0.	-24.	0.	0.	0.	0.	0.	1038.	-2925.	-38.	0.	0.	-443.	0.	0.	0.	2374.	0.	0.	-7120.0	7120.0	-0.05
181	3689.	0.	-3624.	24.	0.	32.	0.	0.	0.	0.	0.	2256.	-9432.	-132.	0.	0.	-940.	0.	0.	0.	8125.	0.	0.	-14127.2	14127.1	-0.14
182	3624.	0.	-3680.	-32.	0.	54.	0.	0.	0.	0.	0.	2247.	-9199.	-147.	0.	0.	-955.	0.	0.	0.	8088.	0.	0.	-14012.7	14012.6	-0.16
183	3680.	0.	-3773.	-54.	0.	62.	0.	0.	0.	0.	0.	2234.	-9052.	-168.	0.	0.	-979.	0.	0.	0.	8051.	0.	0.	-14026.4	14026.2	-0.18
184	3773.	0.	-3881.	-62.	0.	66.	0.	0.	0.	0.	0.	2218.	-8928.	-194.	0.	0.	-1007.	0.	0.	0.	8013.	0.	0.	-14070.9	14070.7	-0.20
185	3881.	0.	-3996.	-66.	0.	69.	0.	0.	0.	0.	0.	2201.	-8807.	-222.	0.	0.	-1036.	0.	0.	0.	7976.	0.	0.	-14127.3	14127.1	-0.22
186	3996.	0.	-4116.	-69.	0.	72.	0.	0.	0.	0.	0.	2183.	-8685.	-253.	0.	0.	-1068.	0.	0.	0.	7939.	0.	0.	-14189.9	14189.7	-0.22
187	4116.	0.	-4240.	-72.	0.	74.	0.	0.	0.	0.	0.	2165.	-8559.	-286.	0.	0.	-1100.	0.	0.	0.	7902.	0.	0.	-14257.0	14256.7	-0.23
188	4240.	0.	-4369.	-74.	0.	77.	0.	0.	0.	0.	0.	2146.	-8430.	-321.	0.	0.	-1133.	0.	0.	0.	7865.	0.	0.	-14328.0	14327.8	-0.21
189	4369.	0.	-4503.	-77.	0.	80.	0.	0.	0.	0.	0.	2126.	-8298.	-357.	0.	0.	-1168.	0.	0.	0.	7828.	0.	0.	-14403.0	14402.8	-0.19
190	4503.	0.	-4642.	-80.	0.	83.	0.	0.	0.	0.	0.	2106.	-8162.	-395.	0.	0.	-1204.	0.	0.	0.	7790.	0.	0.	-14482.1	14481.9	-0.14
191	4642.	0.	-4785.	-83.	0.	87.	0.	0.	0.	0.	0.	2084.	-8024.	-433.	0.	0.	-1241.	0.	0.	0.	7753.	0.	0.	-14566.3	14566.2	-0.06
192	4785.	0.	-4936.	-87.	0.	99.	0.	0.	0.	0.	0.	2062.	-7887.	-472.	0.	0.	-1280.	0.	0.	0.	7716.	0.	0.	-14662.3	14662.3	0.06
193	4936.	0.	-5108.	-99.	0.	167.	0.	0.	0.	0.	0.	2037.	-7773.	-516.	0.	0.	-1324.	0.	0.	0.	7679.	0.	0.	-14819.0	14819.2	0.19
194	5108.	0.	-5398.	-167.	0.	288.	0.	0.	0.	0.	0.	1994.	-7584.	-527.	0.	0.	-1356.	0.	0.	0.	7642.	0.	0.	-15031.5	15031.4	-0.06
195	5398.	0.	-5898.	-288.	0.	381.	0.	0.	0.	0.	0.	1920.	-7240.	-523.	0.	0.	-1356.	0.	0.	0.	7605.	0.	0.	-15303.7	15303.8	0.11
196	5898.	0.	-6559.	-381.	0.	451.	0.	0.	0.	0.	0.	1823.	-6924.	-520.	0.	0.	-1356.	0.	0.	0.	7568.	0.	0.	-15739.5	15739.3	-0.19
197	6559.	0.	-7343.	-451.	0.	503.	0.	0.	0.	0.	0.	1707.	-6634.	-516.	0.	0.	-1356.	0.	0.	0.	7530.	0.	0.	-16300.2	16299.8	-0.34

198	7343.	0.	-8216.	-503.	0.	540.	0.	0.	0.	0.	0.	1578.	-6369.	-510.	0.	0.	-1356.	0.	0.	0.	7493.	0.	0.	-16954.4	16954.0	-0.36
199	8216.	0.	-9153.	-540.	0.	563.	0.	0.	0.	0.	0.	1440.	-6126.	-502.	0.	0.	-1356.	0.	0.	0.	7456.	0.	0.	-17676.2	17675.9	-0.29
200	9153.	0.	-10131.	-563.	0.	576.	0.	0.	0.	0.	0.	1296.	-5903.	-491.	0.	0.	-1356.	0.	0.	0.	7419.	0.	0.	-18444.5	18444.4	-0.14
201	10131.	0.	-11131.	-576.	0.	580.	0.	0.	0.	0.	0.	1148.	-5699.	-479.	0.	0.	-1356.	0.	0.	0.	7382.	0.	0.	-19241.7	19241.7	0.04
202	11131.	0.	-12139.	-580.	0.	577.	0.	0.	0.	0.	0.	1000.	-5512.	-466.	0.	0.	-1356.	0.	0.	0.	7345.	0.	0.	-20052.9	20053.0	0.02
203	12139.	0.	-13141.	-577.	0.	567.	0.	0.	0.	0.	0.	852.	-5340.	-453.	0.	0.	-1355.	0.	0.	0.	7308.	0.	0.	-20866.1	20866.2	0.02
204	13141.	0.	-14126.	-567.	0.	553.	0.	0.	0.	0.	0.	707.	-5183.	-440.	0.	0.	-1355.	0.	0.	0.	7271.	0.	0.	-21671.0	21671.0	0.01
205	14126.	0.	-15086.	-553.	0.	535.	0.	0.	0.	0.	0.	565.	-5038.	-426.	0.	0.	-1355.	0.	0.	0.	7234.	0.	0.	-22459.2	22459.2	0.00
206	15086.	0.	-16014.	-535.	0.	513.	0.	0.	0.	0.	0.	428.	-4906.	-414.	0.	0.	-1355.	0.	0.	0.	7196.	0.	0.	-23224.0	23224.0	-0.01
207	16014.	0.	-16905.	-513.	0.	489.	0.	0.	0.	0.	0.	297.	-4785.	-402.	0.	0.	-1355.	0.	0.	0.	7159.	0.	0.	-23959.8	23959.8	-0.01
208	16905.	0.	-17755.	-489.	0.	464.	0.	0.	0.	1.	0.	172.	-4674.	-390.	0.	0.	-1355.	0.	0.	0.	7122.	0.	0.	-24663.8	24663.7	-0.01
209	17755.	0.	-18561.	-464.	0.	437.	0.	0.	0.	0.	0.	53.	-4572.	-380.	0.	0.	-1355.	0.	0.	0.	7085.	0.	0.	-25331.0	25331.0	-0.01
210	18561.	0.	-19320.	-437.	0.	410.	0.	0.	0.	0.	0.	-59.	-4478.	-369.	0.	0.	-1355.	0.	0.	0.	7048.	0.	0.	-26019.3	26019.3	-0.01
211	19320.	0.	-20033.	-410.	0.	383.	0.	0.	0.	0.	0.	-164.	-4392.	-360.	0.	0.	-1355.	0.	0.	0.	7011.	0.	0.	-26714.7	26714.6	-0.01
212	20033.	0.	-20699.	-383.	0.	356.	0.	0.	0.	0.	0.	-262.	-4314.	-351.	0.	0.	-1355.	0.	0.	0.	6974.	0.	0.	-27363.2	27363.2	-0.01
213	20699.	0.	-21317.	-356.	0.	330.	0.	0.	0.	0.	0.	-353.	-4242.	-341.	0.	0.	-1355.	0.	0.	0.	6937.	0.	0.	-27964.9	27964.9	-0.01
214	21317.	0.	-21890.	-330.	0.	303.	0.	0.	0.	0.	0.	-438.	-4176.	-333.	0.	0.	-1355.	0.	0.	0.	6900.	0.	0.	-28520.3	28520.3	-0.01
215	21890.	0.	-22416.	-303.	0.	277.	0.	0.	0.	0.	0.	-515.	-4115.	-326.	0.	0.	-1355.	0.	0.	0.	6863.	0.	0.	-29029.6	29029.6	-0.01
216	22416.	0.	-22898.	-277.	0.	252.	0.	0.	0.	0.	0.	-586.	-4059.	-319.	0.	0.	-1355.	0.	0.	0.	6826.	0.	0.	-29493.8	29493.8	0.00
217	22898.	0.	-23335.	-252.	0.	228.	0.	0.	0.	0.	0.	-651.	-4008.	-313.	0.	0.	-1354.	0.	0.	0.	6788.	0.	0.	-29913.9	29913.9	-0.01
218	23335.	0.	-23731.	-228.	0.	205.	0.	0.	0.	0.	0.	-709.	-3962.	-307.	0.	0.	-1354.	0.	0.	0.	6751.	0.	0.	-30291.4	30291.4	-0.01
219	23731.	0.	-24086.	-205.	0.	182.	0.	0.	0.	0.	0.	-761.	-3919.	-302.	0.	0.	-1354.	0.	0.	0.	6714.	0.	0.	-30627.8	30627.8	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE IN	BOD1 DECA	NH3-N DECA	ORG-N DECA	NCM DECA	SOD BKGD	SOD BOD1	SOD ALG	SOD NCM	ALG PHOT	ALG RESP	MAC PHOT	TOT OUT	TOT IN
220	24086.	0.	-24403.	-182.	0.	161.	0.	0.	0.	0.	0.	-808.	-3880.	-297.	0.	0.	-1354.	0.	0.	0.	6677.	0.	0.	-30924.9	30924.9	0.00
221	24403.	0.	-24683.	-161.	0.	141.	0.	0.	0.	0.	0.	-849.	-3844.	-293.	0.	0.	-1354.	0.	0.	0.	6640.	0.	0.	-31184.4	31184.4	-0.01
222	24683.	0.	-24928.	-141.	0.	122.	0.	0.	0.	0.	0.	-885.	-3811.	-289.	0.	0.	-1354.	0.	0.	0.	6603.	0.	0.	-31408.2	31408.2	-0.01
223	24928.	0.	-25140.	-122.	0.	104.	0.	0.	0.	0.	0.	-916.	-3781.	-285.	0.	0.	-1354.	0.	0.	0.	6566.	0.	0.	-31598.1	31598.1	-0.01
224	25140.	0.	-25321.	-104.	0.	87.	0.	0.	0.	0.	0.	-943.	-3753.	-282.	0.	0.	-1354.	0.	0.	0.	6529.	0.	0.	-31756.0	31756.0	0.00
225	25321.	0.	-25472.	-87.	0.	71.	0.	0.	0.	0.	0.	-965.	-3727.	-278.	0.	0.	-1354.	0.	0.	0.	6492.	0.	0.	-31883.6	31883.6	-0.01
226	25472.	0.	-25595.	-71.	0.	56.	0.	0.	0.	0.	0.	-983.	-3704.	-275.	0.	0.	-1354.	0.	0.	0.	6455.	0.	0.	-31982.9	31982.9	-0.02
227	25595.	0.	-25693.	-56.	0.	42.	0.	0.	0.	0.	0.	-998.	-3683.	-272.	0.	0.	-1354.	0.	0.	0.	6418.	0.	0.	-32055.4	32055.4	0.00
228	25693.	0.	-25766.	-42.	0.	29.	0.	0.	0.	0.	0.	-1009.	-3663.	-269.	0.	0.	-1354.	0.	0.	0.	6381.	0.	0.	-32102.9	32102.9	0.00
229	25766.	0.	-25817.	-29.	0.	17.	0.	0.	0.	0.	0.	-1016.	-3645.	-266.	0.	0.	-1354.	0.	0.	0.	6344.	0.	0.	-32126.9	32126.9	-0.01
230	25817.	0.	-25846.	-17.	0.	5.	0.	0.	0.	0.	0.	-1020.	-3629.	-264.	0.	0.	-1353.	0.	0.	0.	6307.	0.	0.	-32129.0	32129.0	0.00
231	25846.	0.	-25856.	-5.	0.	-5.	0.	0.	0.	0.	0.	-1022.	-3614.	-261.	0.	0.	-1353.	0.	0.	0.	6270.	0.	0.	-32115.9	32115.9	-0.01
232	25856.	0.	-25847.	5.	0.	-15.	0.	0.	0.	0.	0.	-1020.	-3600.	-259.	0.	0.	-1353.	0.	0.	0.	6233.	0.	0.	-32093.5	32093.5	0.00
233	25847.	0.	-25820.	15.	0.	-24.	0.	0.	0.	0.	0.	-1016.	-3587.	-256.	0.	0.	-1353.	0.	0.	0.	6196.	0.	0.	-32057.4	32057.4	0.00
234	25820.	0.	-25778.	24.	0.	-33.	0.	0.	0.	0.	0.	-1010.	-3575.	-254.	0.	0.	-1353.	0.	0.	0.	6159.	0.	0.	-32003.4	32003.4	-0.01
235	25778.	0.	-25721.	33.	0.	-41.	0.	0.	0.	0.	0.	-1002.	-3565.	-251.	0.	0.	-1353.	0.	0.	0.	6122.	0.	0.	-31932.7	31932.7	-0.01
236	25721.	0.	-25650.	41.	0.	-48.	0.	0.	0.	0.	0.	-991.	-3555.	-249.	0.	0.	-1353.	0.	0.	0.	6085.	0.	0.	-31846.7	31846.7	-0.01
237	25650.	0.	-25567.	48.	0.	-55.	0.	0.	0.	0.	0.	-979.	-3546.	-247.	0.	0.	-1353.	0.	0.	0.	6048.	0.	0.	-31746.3	31746.2	0.00
238	25567.	0.	-25471.	55.	0.	-61.	0.	0.	0.	0.	0.	-965.	-3538.	-245.	0.	0.	-1353.	0.	0.	0.	6011.	0.	0.	-31632.4	31632.4	-0.01
239	25471.	0.	-25365.	61.	0.	-67.	0.	0.	0.	0.	0.	-949.	-3530.	-243.	0.	0.	-1353.	0.	0.	0.	5974.	0.	0.	-31506.2	31506.2	0.00
240	25365.	0.	-25248.	67.	0.	-73.	0.	0.	0.	0.	0.	-931.	-3523.	-240.	0.	0.	-1353.	0.	0.	0.	5937.	0.	0.	-31368.5	31368.5	-0.01
241	25248.	0.	-25122.	73.	0.	-78.	0.	0.	0.	0.	0.	-913.	-3517.	-238.	0.	0.	-1353.	0.	0.	0.	5900.	0.	0.	-31220.3	31220.3	-0.01
242	25122.	0.	-24987.	78.	0.	-82.	0.	0.	0.	0.	0.	-893.	-3511.	-236.	0.	0.	-1353.	0.	0.	0.	5863.	0.	0.	-31062.2	31062.2	-0.01
243	24987.	0.	-24844.	82.	0.	-87.	0.	0.	0.	0.	0.	-872.	-3506.	-234.	0.	0.	-1353.	0.	0.	0.	5826.	0.	0.	-30895.0	30895.0	0.00
244	24844.	0.	-24694.	87.	0.	-91.	0.	0.	0.	0.	0.	-850.	-3501.	-232.	0.	0.	-1352.	0.	0.	0.	5789.	0.	0.	-30719.4	30719.4	-0.01

245	24694.	0.	-24536.	91.	0.	-94.	0.	0.	0.	0.	0.	-826.	-3496.	-230.	0.	0.	-1352.	0.	0.	0.	5752.	0.	0.	-30535.9	30535.9	0.00
246	24536.	0.	-24373.	94.	0.	-98.	0.	0.	0.	0.	0.	-802.	-3492.	-228.	0.	0.	-1352.	0.	0.	0.	5715.	0.	0.	-30345.3	30345.3	-0.01
247	24373.	0.	-24203.	98.	0.	-101.	0.	0.	0.	0.	0.	-777.	-3488.	-226.	0.	0.	-1352.	0.	0.	0.	5678.	0.	0.	-30148.0	30148.0	0.00
248	24203.	0.	-24028.	101.	0.	-104.	0.	0.	0.	0.	0.	-751.	-3485.	-224.	0.	0.	-1352.	0.	0.	0.	5641.	0.	0.	-29944.6	29944.6	0.00
249	24028.	0.	-23848.	104.	0.	-106.	0.	0.	0.	0.	0.	-725.	-3482.	-222.	0.	0.	-1352.	0.	0.	0.	5604.	0.	0.	-29735.5	29735.5	0.00
250	23848.	0.	-23663.	106.	0.	-109.	0.	0.	0.	0.	0.	-697.	-3479.	-221.	0.	0.	-1352.	0.	0.	0.	5567.	0.	0.	-29521.2	29521.2	0.00
251	23663.	0.	-23474.	109.	0.	-111.	0.	0.	0.	0.	0.	-670.	-3476.	-219.	0.	0.	-1352.	0.	0.	0.	5530.	0.	0.	-29302.0	29302.0	0.00
252	23474.	0.	-23282.	111.	0.	-113.	0.	0.	0.	0.	0.	-641.	-3474.	-217.	0.	0.	-1352.	0.	0.	0.	5493.	0.	0.	-29078.3	29078.3	-0.01
253	23282.	0.	-23085.	113.	0.	-115.	0.	0.	0.	0.	0.	-612.	-3472.	-215.	0.	0.	-1352.	0.	0.	0.	5456.	0.	0.	-28850.5	28850.5	0.00
254	23085.	0.	-22885.	115.	0.	-117.	0.	0.	0.	0.	0.	-582.	-3470.	-213.	0.	0.	-1352.	0.	0.	0.	5419.	0.	0.	-28618.9	28618.9	0.00
255	22885.	0.	-22682.	117.	0.	-119.	0.	0.	0.	0.	0.	-552.	-3468.	-211.	0.	0.	-1352.	0.	0.	0.	5382.	0.	0.	-28383.8	28383.8	-0.01
256	22682.	0.	-22476.	119.	0.	-120.	0.	0.	0.	0.	0.	-522.	-3466.	-210.	0.	0.	-1352.	0.	0.	0.	5345.	0.	0.	-28145.5	28145.5	-0.01
257	22476.	0.	-22268.	120.	0.	-122.	0.	0.	0.	0.	0.	-491.	-3464.	-208.	0.	0.	-1352.	0.	0.	0.	5308.	0.	0.	-27904.2	27904.2	0.00
258	22268.	0.	-22057.	122.	0.	-123.	0.	0.	0.	0.	0.	-460.	-3463.	-206.	0.	0.	-1351.	0.	0.	0.	5271.	0.	0.	-27660.1	27660.1	0.00
259	22057.	0.	-21843.	123.	0.	-124.	0.	0.	0.	0.	0.	-429.	-3462.	-204.	0.	0.	-1351.	0.	0.	0.	5234.	0.	0.	-27413.5	27413.5	0.00
260	21843.	0.	-21628.	124.	0.	-125.	0.	0.	0.	0.	0.	-397.	-3460.	-203.	0.	0.	-1351.	0.	0.	0.	5197.	0.	0.	-27164.5	27164.5	0.00
261	21628.	0.	-21410.	125.	0.	-127.	0.	0.	0.	0.	0.	-365.	-3459.	-201.	0.	0.	-1351.	0.	0.	0.	5160.	0.	0.	-26913.4	26913.4	-0.01
262	21410.	0.	-21190.	127.	0.	-128.	0.	0.	0.	0.	0.	-332.	-3458.	-200.	0.	0.	-1351.	0.	0.	0.	5123.	0.	0.	-26660.2	26660.2	0.00
263	21190.	0.	-20967.	128.	0.	-131.	0.	0.	0.	0.	0.	-300.	-3458.	-199.	0.	0.	-1351.	0.	0.	0.	5086.	0.	0.	-26405.1	26405.1	0.00
264	20967.	0.	-20748.	131.	0.	-130.	0.	0.	0.	5.	0.	-266.	-3457.	-200.	0.	0.	-1351.	0.	0.	0.	5049.	0.	0.	-26152.4	26152.4	0.00
265	20748.	0.	-20523.	130.	0.	-130.	0.	0.	0.	0.	0.	-233.	-3457.	-198.	0.	0.	-1351.	0.	0.	0.	5012.	0.	0.	-25890.7	25890.7	0.00
266	20523.	0.	-20297.	130.	0.	-130.	0.	0.	0.	0.	0.	-199.	-3456.	-195.	0.	0.	-1351.	0.	0.	0.	4975.	0.	0.	-25628.4	25628.4	0.00
267	20297.	0.	-20070.	130.	0.	-131.	0.	0.	0.	0.	0.	-166.	-3455.	-193.	0.	0.	-1351.	0.	0.	0.	4939.	0.	0.	-25365.7	25365.7	0.00
268	20070.	0.	-19843.	131.	0.	-131.	0.	0.	0.	0.	0.	-132.	-3454.	-191.	0.	0.	-1351.	0.	0.	0.	4902.	0.	0.	-25102.6	25102.6	0.00
269	19843.	0.	-19615.	131.	0.	-131.	0.	0.	0.	0.	0.	-99.	-3454.	-189.	0.	0.	-1351.	0.	0.	0.	4865.	0.	0.	-24838.9	24838.9	0.00
270	19615.	0.	-19387.	131.	0.	-132.	0.	0.	0.	0.	0.	-65.	-3453.	-187.	0.	0.	-1351.	0.	0.	0.	4828.	0.	0.	-24574.6	24574.6	0.00
271	19387.	0.	-19158.	132.	0.	-132.	0.	0.	0.	0.	0.	-31.	-3453.	-185.	0.	0.	-1350.	0.	0.	0.	4791.	0.	0.	-24309.8	24309.8	0.00
272	19158.	0.	-18929.	132.	0.	-133.	0.	0.	0.	0.	0.	2.	-3452.	-183.	0.	0.	-1350.	0.	0.	0.	4754.	0.	0.	-24046.7	24046.7	0.00
273	18929.	0.	-18698.	133.	0.	-133.	0.	0.	0.	0.	0.	36.	-3452.	-181.	0.	0.	-1350.	0.	0.	0.	4717.	0.	0.	-23814.5	23814.5	0.00
274	18698.	0.	-18468.	133.	0.	-133.	0.	0.	0.	0.	0.	70.	-3451.	-180.	0.	0.	-1350.	0.	0.	0.	4680.	0.	0.	-23581.8	23581.8	0.00
275	18468.	0.	-18236.	133.	0.	-134.	0.	0.	0.	0.	0.	104.	-3451.	-178.	0.	0.	-1350.	0.	0.	0.	4643.	0.	0.	-23348.5	23348.5	0.00
276	18236.	0.	-18004.	134.	0.	-134.	0.	0.	0.	0.	0.	139.	-3451.	-176.	0.	0.	-1350.	0.	0.	0.	4606.	0.	0.	-23114.7	23114.7	0.00
277	18004.	0.	-17771.	134.	0.	-134.	0.	0.	0.	0.	0.	173.	-3450.	-174.	0.	0.	-1350.	0.	0.	0.	4569.	0.	0.	-22880.3	22880.3	0.00
278	17771.	0.	-17538.	134.	0.	-135.	0.	0.	0.	0.	0.	207.	-3450.	-173.	0.	0.	-1350.	0.	0.	0.	4533.	0.	0.	-22645.5	22645.5	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

IOR	UPMN	UPTR	LOWR	UPMN	UPTR	LOWR	INCR	INCR	NONP	WSLD	WITH	REAE	BOD1	NH3-N	ORG-N	NCM	SOD	SOD	SOD	SOD	ALG	ALG	MAC	TOT	TOT
	ADV	ADV	ADV	DISP	DISP	DISP	IN	OUT	IN	IN	OUT	IN	DECA	DECA	DECA	DECA	BKGD	BOD1	ALG	NCM	PHOT	RESP	PHOT	OUT	IN
279	17538.	0.	-17304.	135.	0.	-135.	0.	0.	0.	0.	0.	242.	-3450.	-171.	0.	0.	-1350.	0.	0.	0.	4496.	0.	0.	-22410.2	22410.2	0.00
280	17304.	0.	-17070.	135.	0.	-135.	0.	0.	0.	0.	0.	276.	-3449.	-170.	0.	0.	-1350.	0.	0.	0.	4459.	0.	0.	-22174.4	22174.4	0.00
281	17070.	0.	-16836.	135.	0.	-135.	0.	0.	0.	0.	0.	311.	-3449.	-168.	0.	0.	-1350.	0.	0.	0.	4422.	0.	0.	-21938.2	21938.2	0.00
282	16836.	0.	-16601.	135.	0.	-136.	0.	0.	0.	0.	0.	346.	-3449.	-167.	0.	0.	-1350.	0.	0.	0.	4385.	0.	0.	-21701.6	21701.6	0.00
283	16601.	0.	-16365.	136.	0.	-136.	0.	0.	0.	0.	0.	380.	-3449.	-165.	0.	0.	-1350.	0.	0.	0.	4348.	0.	0.	-21464.6	21464.6	0.00
284	16365.	0.	-16129.	136.	0.	-136.	0.	0.	0.	0.	0.	415.	-3449.	-164.	0.	0.	-1350.	0.	0.	0.	4311.	0.	0.	-21227.2	21227.2	0.00
285	16129.	0.	-15893.	136.	0.	-136.	0.	0.	0.	0.	0.	450.	-3449.	-162.	0.	0.	-1349.	0.	0.	0.	4274.	0.	0.	-20989.6	20989.6	0.00
286	15893.	0.	-15657.	136.	0.	-136.	0.	0.	0.	0.	0.	485.	-3448.	-161.	0.	0.	-1349.	0.	0.	0.	4237.	0.	0.	-20751.5	20751.5	0.00
287	15657.	0.	-15420.	136.	0.	-137.	0.	0.	0.	0.	0.	520.	-3448.	-159.	0.	0.	-1349.	0.	0.	0.	4201.	0.	0.	-20513.2	20513.2	0.00
288	15420.	0.	-15183.	137.	0.	-137.	0.	0.	0.	0.	0.	555.	-3448.	-158.	0.	0.	-1349.	0.	0.	0.	4164.	0.	0.	-20274.6	20274.6	0.00
289	15183.	0.	-14945.	137.	0.	-137.	0.	0.	0.	0.	0.	590.	-3448.	-157.	0.	0.	-1349.	0.	0.	0.	4127.	0.	0.	-20035.7	20035.7	0.00
290	14945.	0.	-14708.	137.	0.	-137.	0.	0.	0.	0.	0.	625.	-3448.	-155.	0.	0.	-1349.	0.	0.	0.	4090.	0.	0.	-19796.6	19796.6	0.00
291	14708.	0.	-14470.	137.	0.	-137.	0.	0.	0.	0.	0.	660.	-3448.	-154.	0.	0.	-1349.	0.	0.	0.	4053.	0.	0.	-19557.2	19557.2	0.00

292	14470.	0.	-14233.	137.	0.	-136.	0.	0.	0.	0.	0.	695.	-3448.	-153.	0.	0.	-1349.	0.	0.	0.	4016.	0.	0.	-19317.4	19317.4	0.00
293	14233.	0.	-13997.	136.	0.	-133.	0.	0.	0.	0.	0.	729.	-3447.	-151.	0.	0.	-1349.	0.	0.	0.	3979.	0.	0.	-19077.1	19077.1	0.00
294	13997.	0.	-13766.	133.	0.	-124.	0.	0.	0.	0.	0.	763.	-3447.	-150.	0.	0.	-1349.	0.	0.	0.	3943.	0.	0.	-18835.7	18835.7	0.00
295	13766.	0.	-13551.	124.	0.	-97.	0.	0.	0.	0.	0.	795.	-3445.	-149.	0.	0.	-1349.	0.	0.	0.	3906.	0.	0.	-18591.1	18591.1	0.00
296	13551.	0.	-13382.	97.	0.	-19.	0.	0.	0.	0.	0.	820.	-3439.	-148.	0.	0.	-1349.	0.	0.	0.	3869.	0.	0.	-18337.6	18337.6	0.00
297	13382.	0.	-13321.	19.	0.	-4.	0.	0.	0.	0.	0.	156.	-730.	-25.	0.	0.	-118.	0.	0.	0.	640.	0.	0.	-14197.6	14197.6	0.00
298	13321.	0.	-13233.	4.	0.	-5.	0.	0.	0.	0.	0.	159.	-720.	-25.	0.	0.	-117.	0.	0.	0.	617.	0.	0.	-14100.5	14100.5	0.00
299	13233.	0.	-13135.	5.	0.	-5.	0.	0.	0.	0.	0.	162.	-711.	-25.	0.	0.	-117.	0.	0.	0.	593.	0.	0.	-13993.0	13993.0	0.00
300	13135.	0.	-13027.	5.	0.	-6.	0.	0.	0.	0.	0.	165.	-702.	-25.	0.	0.	-116.	0.	0.	0.	570.	0.	0.	-13875.5	13875.5	0.00
301	13027.	0.	-12909.	6.	0.	-6.	0.	0.	0.	0.	0.	169.	-693.	-25.	0.	0.	-116.	0.	0.	0.	547.	0.	0.	-13748.0	13748.0	0.00
302	12909.	0.	-12780.	6.	0.	-7.	0.	0.	0.	0.	0.	172.	-684.	-24.	0.	0.	-115.	0.	0.	0.	524.	0.	0.	-13610.8	13610.8	0.00
303	12780.	0.	-12642.	7.	0.	-7.	0.	0.	0.	0.	0.	177.	-676.	-24.	0.	0.	-115.	0.	0.	0.	501.	0.	0.	-13464.0	13464.0	0.00
304	12642.	0.	-12494.	7.	0.	-8.	0.	0.	0.	0.	0.	181.	-668.	-24.	0.	0.	-115.	0.	0.	0.	478.	0.	0.	-13307.7	13307.7	0.00
305	12494.	0.	-12336.	8.	0.	-8.	0.	0.	0.	0.	0.	186.	-660.	-24.	0.	0.	-114.	0.	0.	0.	455.	0.	0.	-13142.1	13142.1	0.00
306	12336.	0.	-12170.	8.	0.	-9.	0.	0.	0.	0.	0.	190.	-652.	-24.	0.	0.	-114.	0.	0.	0.	432.	0.	0.	-12967.5	12967.5	0.00
307	12170.	0.	-11994.	9.	0.	-9.	0.	0.	0.	0.	0.	196.	-644.	-23.	0.	0.	-113.	0.	0.	0.	410.	0.	0.	-12783.9	12783.9	0.00
308	11994.	0.	-11809.	9.	0.	-10.	0.	0.	0.	0.	0.	201.	-637.	-23.	0.	0.	-113.	0.	0.	0.	387.	0.	0.	-12591.5	12591.5	0.00
309	11809.	0.	-11616.	10.	0.	-10.	0.	0.	0.	0.	0.	207.	-629.	-23.	0.	0.	-112.	0.	0.	0.	365.	0.	0.	-12390.5	12390.5	0.00
310	11616.	0.	-11414.	10.	0.	-10.	0.	0.	0.	0.	0.	212.	-622.	-23.	0.	0.	-112.	0.	0.	0.	343.	0.	0.	-12181.1	12181.1	0.00
311	11414.	0.	-11203.	10.	0.	-11.	0.	0.	0.	0.	0.	218.	-615.	-23.	0.	0.	-112.	0.	0.	0.	321.	0.	0.	-11963.4	11963.4	0.00
312	11203.	0.	-10984.	11.	0.	-11.	0.	0.	0.	0.	0.	225.	-608.	-22.	0.	0.	-111.	0.	0.	0.	299.	0.	0.	-11737.6	11737.6	0.00
313	10984.	0.	-10757.	11.	0.	-12.	0.	0.	0.	0.	0.	231.	-602.	-22.	0.	0.	-111.	0.	0.	0.	277.	0.	0.	-11503.8	11503.8	0.00
314	10757.	0.	-10522.	12.	0.	-12.	0.	0.	0.	0.	0.	238.	-595.	-22.	0.	0.	-110.	0.	0.	0.	256.	0.	0.	-11262.2	11262.2	0.00
315	10522.	0.	-10280.	12.	0.	-12.	0.	0.	0.	0.	0.	245.	-589.	-22.	0.	0.	-110.	0.	0.	0.	234.	0.	0.	-11013.0	11013.0	0.00
316	10280.	0.	-10029.	12.	0.	-13.	0.	0.	0.	0.	0.	252.	-583.	-22.	0.	0.	-110.	0.	0.	0.	213.	0.	0.	-10756.3	10756.3	0.00
317	10029.	0.	-9772.	13.	0.	-13.	0.	0.	0.	0.	0.	259.	-577.	-21.	0.	0.	-109.	0.	0.	0.	191.	0.	0.	-10492.2	10492.2	0.00
318	9772.	0.	-9507.	13.	0.	-13.	0.	0.	0.	0.	0.	266.	-571.	-21.	0.	0.	-109.	0.	0.	0.	170.	0.	0.	-10221.0	10221.0	0.00
319	9507.	0.	-9234.	13.	0.	-14.	0.	0.	0.	0.	0.	274.	-565.	-21.	0.	0.	-108.	0.	0.	0.	149.	0.	0.	-9942.8	9942.8	0.00
320	9234.	0.	-8955.	14.	0.	-14.	0.	0.	0.	0.	0.	282.	-560.	-21.	0.	0.	-108.	0.	0.	0.	128.	0.	0.	-9657.7	9657.7	0.00
321	8955.	0.	-8669.	14.	0.	-14.	0.	0.	0.	0.	0.	290.	-554.	-21.	0.	0.	-108.	0.	0.	0.	107.	0.	0.	-9365.9	9365.9	0.00
322	8669.	0.	-8377.	14.	0.	-15.	0.	0.	0.	0.	0.	298.	-549.	-20.	0.	0.	-107.	0.	0.	0.	86.	0.	0.	-9067.6	9067.6	0.00
323	8377.	0.	-8078.	15.	0.	-14.	0.	0.	0.	0.	0.	306.	-544.	-20.	0.	0.	-107.	0.	0.	0.	66.	0.	0.	-8762.8	8762.8	0.00
324	8078.	0.	-7792.	14.	0.	3.	0.	0.	0.	0.	0.	314.	-537.	-20.	0.	0.	-106.	0.	0.	0.	45.	0.	0.	-8454.7	8454.7	0.00
325	7792.	0.	-7861.	-3.	0.	361.	0.	0.	0.	0.	0.	312.	-499.	-20.	0.	0.	-106.	0.	0.	0.	25.	0.	0.	-8489.1	8489.1	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Fourmile Bayou Oxbow

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD 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	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
56	1723.	0.	-1605.	0.	0.	-27.	0.	0.	0.	0.	0.	6.	-221.	-5.	0.	0.	-63.	0.	0.	0.	192.	0.	0.	-1921.4	1921.4	0.00	
57	1605.	0.	-1513.	27.	0.	-27.	0.	0.	0.	0.	0.	9.	-221.	-5.	0.	0.	-62.	0.	0.	0.	189.	0.	0.	-1829.9	1829.9	0.00	
58	1513.	0.	-1421.	27.	0.	-28.	0.	0.	0.	0.	0.	12.	-222.	-5.	0.	0.	-62.	0.	0.	0.	185.	0.	0.	-1737.8	1737.8	0.00	
59	1421.	0.	-1328.	28.	0.	-28.	0.	0.	0.	0.	0.	14.	-222.	-5.	0.	0.	-62.	0.	0.	0.	182.	0.	0.	-1645.1	1645.1	0.00	
60	1328.	0.	-1234.	28.	0.	-28.	0.	0.	0.	0.	0.	17.	-222.	-5.	0.	0.	-62.	0.	0.	0.	179.	0.	0.	-1551.7	1551.7	0.00	
61	1234.	0.	-1140.	28.	0.	-28.	0.	0.	0.	0.	0.	20.	-223.	-5.	0.	0.	-62.	0.	0.	0.	175.	0.	0.	-1457.9	1457.9	0.00	
62	1140.	0.	-1046.	28.	0.	-28.	0.	0.	0.	0.	0.	23.	-223.	-5.	0.	0.	-62.	0.	0.	0.	172.	0.	0.	-1363.4	1363.4	0.00	
63	1046.	0.	-950.	28.	0.	-28.	0.	0.	0.	0.	0.	26.	-223.	-5.	0.	0.	-62.	0.	0.	0.	169.	0.	0.	-1268.5	1268.5	0.00	
64	950.	0.	-855.	28.	0.	-28.	0.	0.	0.	0.	0.	29.	-223.	-5.	0.	0.	-62.	0.	0.	0.	165.	0.	0.	-1173.2	1173.2	0.00	
65	855.	0.	-759.	28.	0.	-28.	0.	0.	0.	0.	0.	32.	-224.	-5.	0.	0.	-62.	0.	0.	0.	162.	0.	0.	-1077.4	1077.4	0.00	
66	759.	0.	-664.	28.	0.	-28.	0.	0.	0.	0.	0.	35.	-224.	-4.	0.	0.	-62.	0.	0.	0.	159.	0.	0.	-981.2	981.2	0.00	
67	664.	0.	-571.	28.	0.	-24.	0.	0.	0.	0.	0.	38.	-224.	-4.	0.	0.	-62.	0.	0.	0.	155.	0.	0.	-884.5	884.5	0.00	
68	571.	0.	-490.	24.	0.	-16.	0.	0.	0.	0.	0.	40.	-217.	-4.	0.	0.	-59.	0.	0.	0.	152.	0.	0.	-786.9	786.9	0.00	

69	490.	0.	-436.	16.	0.	-11.	0.	0.	0.	0.	0.	42.	-195.	-2.	0.	0.	-53.	0.	0.	0.	149.	0.	0.	-697.0	697.0	0.00
70	436.	0.	-399.	11.	0.	-8.	0.	0.	0.	0.	0.	43.	-179.	-2.	0.	0.	-48.	0.	0.	0.	145.	0.	0.	-635.7	635.7	0.00
71	399.	0.	-372.	8.	0.	-6.	0.	0.	0.	0.	0.	44.	-169.	-1.	0.	0.	-45.	0.	0.	0.	142.	0.	0.	-592.6	592.6	0.00
72	372.	0.	-351.	6.	0.	-5.	0.	0.	0.	0.	0.	45.	-161.	-1.	0.	0.	-42.	0.	0.	0.	139.	0.	0.	-561.0	561.0	0.00
73	351.	0.	-336.	5.	0.	-4.	0.	0.	0.	0.	0.	45.	-156.	-1.	0.	0.	-40.	0.	0.	0.	136.	0.	0.	-536.8	536.8	0.00
74	336.	0.	-323.	4.	0.	-3.	0.	0.	0.	0.	0.	45.	-151.	-1.	0.	0.	-39.	0.	0.	0.	132.	0.	0.	-517.4	517.4	0.00
75	323.	0.	-312.	3.	0.	-3.	0.	0.	0.	0.	0.	46.	-148.	-1.	0.	0.	-37.	0.	0.	0.	129.	0.	0.	-501.0	501.0	0.00
76	312.	0.	-302.	3.	0.	-3.	0.	0.	0.	0.	0.	46.	-145.	-1.	0.	0.	-36.	0.	0.	0.	126.	0.	0.	-486.7	486.7	0.00
77	302.	0.	-293.	3.	0.	-3.	0.	0.	0.	0.	0.	46.	-142.	-1.	0.	0.	-35.	0.	0.	0.	123.	0.	0.	-473.6	473.6	0.00
78	293.	0.	-284.	3.	0.	-2.	0.	0.	0.	0.	0.	47.	-140.	-1.	0.	0.	-34.	0.	0.	0.	119.	0.	0.	-461.4	461.4	0.00
79	284.	0.	-276.	2.	0.	-2.	0.	0.	0.	0.	0.	47.	-138.	-1.	0.	0.	-33.	0.	0.	0.	116.	0.	0.	-449.8	449.8	0.00
80	276.	0.	-268.	2.	0.	-2.	0.	0.	0.	0.	0.	47.	-135.	-1.	0.	0.	-32.	0.	0.	0.	113.	0.	0.	-438.6	438.6	0.00
81	268.	0.	-261.	2.	0.	-2.	0.	0.	0.	0.	0.	47.	-133.	-1.	0.	0.	-31.	0.	0.	0.	110.	0.	0.	-427.7	427.7	0.00
82	261.	0.	-253.	2.	0.	-2.	0.	0.	0.	0.	0.	48.	-131.	-1.	0.	0.	-30.	0.	0.	0.	106.	0.	0.	-417.0	417.0	0.00
83	253.	0.	-246.	2.	0.	-2.	0.	0.	0.	0.	0.	48.	-129.	0.	0.	0.	-29.	0.	0.	0.	103.	0.	0.	-406.5	406.5	0.00
84	246.	0.	-239.	2.	0.	-2.	0.	0.	0.	0.	0.	48.	-127.	0.	0.	0.	-28.	0.	0.	0.	100.	0.	0.	-396.1	396.1	0.00
85	239.	0.	-232.	2.	0.	-2.	0.	0.	0.	0.	0.	48.	-124.	0.	0.	0.	-27.	0.	0.	0.	97.	0.	0.	-385.9	385.9	0.00
86	232.	0.	-225.	2.	0.	-2.	0.	0.	0.	0.	0.	49.	-122.	0.	0.	0.	-26.	0.	0.	0.	94.	0.	0.	-375.8	375.8	0.00
87	225.	0.	-218.	2.	0.	-2.	0.	0.	0.	0.	0.	49.	-120.	0.	0.	0.	-26.	0.	0.	0.	90.	0.	0.	-365.8	365.8	0.00
88	218.	0.	-211.	2.	0.	-2.	0.	0.	0.	0.	0.	49.	-118.	0.	0.	0.	-25.	0.	0.	0.	87.	0.	0.	-355.9	355.9	0.00
89	211.	0.	-204.	2.	0.	-2.	0.	0.	0.	0.	0.	49.	-116.	0.	0.	0.	-24.	0.	0.	0.	84.	0.	0.	-346.2	346.2	0.00
90	204.	0.	-198.	2.	0.	-2.	0.	0.	0.	0.	0.	49.	-113.	0.	0.	0.	-23.	0.	0.	0.	81.	0.	0.	-336.5	336.5	0.00
91	198.	0.	-191.	2.	0.	-2.	0.	0.	0.	0.	0.	50.	-111.	0.	0.	0.	-22.	0.	0.	0.	78.	0.	0.	-327.0	327.0	0.00
92	191.	0.	-185.	2.	0.	-2.	0.	0.	0.	0.	0.	50.	-109.	0.	0.	0.	-22.	0.	0.	0.	75.	0.	0.	-317.5	317.5	0.00
93	185.	0.	-179.	2.	0.	-2.	0.	0.	0.	0.	0.	50.	-107.	0.	0.	0.	-21.	0.	0.	0.	71.	0.	0.	-308.2	308.2	0.00
94	179.	0.	-173.	2.	0.	-1.	0.	0.	0.	0.	0.	50.	-104.	0.	0.	0.	-20.	0.	0.	0.	68.	0.	0.	-299.0	299.0	0.00
95	173.	0.	-169.	1.	0.	1.	0.	0.	0.	0.	0.	50.	-103.	0.	0.	0.	-20.	0.	0.	0.	65.	0.	0.	-291.1	291.1	0.00
96	169.	0.	-173.	-1.	0.	19.	0.	0.	0.	0.	0.	50.	-105.	0.	0.	0.	-20.	0.	0.	0.	62.	0.	0.	-300.0	300.0	0.00
97	173.	0.	-238.	-19.	0.	139.	0.	0.	0.	0.	0.	48.	-134.	-1.	0.	0.	-28.	0.	0.	0.	59.	0.	0.	-419.6	419.6	0.00

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Baseline Simulation for Lake Verret and Grassy Lake model
INPUT/OUTPUT LOADING SUMMARY

	FLOW	DO	BOD#1	BOD#2	ORG-N	NH3-N	NO3-N	PHOS	CHL A	NCM
	m^3/s	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d		
HEADWATER FLOW	23.167	13436.1	47544.5	0.0	3227.9	200.2	80.1	0.0	0.0	0.0
INCREMENTAL INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	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	10.049	6595.1	14612.8	0.0	2084.1	96.3	176.1	0.0	0.0	0.0
WITHDRAWLS	-2.933	-1628.1	-6014.9	0.0	-490.7	-22.5	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	-30.282	-7861.0	-26554.0	0.0	-3392.8	-217.2	0.0	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		360.7	-1912.3	0.0	-335.1	4.4	284.3	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	702998.5	0.0	7150.0					0.0
NATURAL REAERATION		71146.0								
DAM REAERATION		0.0								
BACKGROUND SOD		-196563.0								
BOD#1 DECAY		-730682.4	-730682.4							
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			-8243.3	8243.3				

ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-35952.0				-8303.0	8303.0			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		881144.9				0.0	-44057.3	0.0	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	33.216	972682.7	765155.8	0.0	12462.0	8544.2	8843.5	0.0	0.0	0.0
TOTAL OUTPUTS	-33.216	-972686.5	-765163.6	0.0	-12462.0	-8542.7	-44057.3	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-3.8	-7.8	0.0	0.0	1.5	-35213.8	0.0	0.0	0.0

.....EXECUTION COMPLETED

TMDL output file for subsegment 120604

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\0608 MT\0608 MT - Blue\baseline\Blue_BASE_0608.txt
Output produced at 09:52 on 06/22/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL baseline for Bayou Blue
TITLE02
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                    <Warning: legacy control - line ignored>
ENDATA01
$$$ DATA TYPE 2 (MODEL OPTIONS) $$$
CARD TYPE      MODEL OPTION
MODOPT01   NO   TEMP
MODOPT02   NO   SALI
MODOPT03   NO   CONSERVATIVE MATERIAL
MODOPT04   NO   CONSERVATIVE MATERIAL II
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07  YES   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12   NO   NONC
ENDATA02
$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        MAXIMUM ITERATION LIMIT           =      500.00000
PROGRAM        ALGAE OXYGEN PROD                 =        0.02600 mg O/ug chl a/day
PROGRAM        WIND                              =        1.30000 meters/sec
PROGRAM        TIDE  HEIGHT                      =        0.80000 meters
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
ENDATA03
$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
 CARD TYPE    RATE CODE     THETA VALUE
THETA       NH3 DECA       1.07000
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
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$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA07
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                        BEGIN      END    ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                        REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                          km        km      km     km            NUM    NUM
REACH ID     1  BB  BayouBlue#1                    20.20  TO   3.70  0.1000   16.50    165      1   165
REACH ID     2  IC  ICWWtoBlue                     1.40  TO   0.00  0.1000    1.40     14    166   179
REACH ID     3  BB  BayouBlue#2                    3.70  TO   0.00  0.1000    3.70     37    180   216
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID      WIDTH      WIDTH      WIDTH      DEPTH      DEPTH      DEPTH     SLOPE   MANNINGS
                  "A"       "B"       "C"       "D"       "E"       "F"              "N"
HYDR-1       1  BB      0.000      0.000     10.000      0.000      0.000      0.500    0.00000   0.000
HYDR-1       2  IC      0.000      0.000     44.000      0.000      0.000      1.400    0.00000   0.000
HYDR-1       3  BB      0.000      0.000     65.500      0.000      0.000      0.900    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"
HYDR         1  BB     0.00       0.500        0.000        0.000        0.000
HYDR         2  IC     0.00       0.500        0.000        0.000        0.000
HYDR         3  BB     0.00       0.500        0.000        0.000        0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE     REACH  ID       TEMP    SALIN       DO      NH3    NO3+2     PHOS    CHL A    MACRO
INITIAL         1  BB      31.20     0.00     3.00     0.10     0.00     0.00    20.00     0.00
INITIAL         2  IC      32.00     0.00     3.00     0.11     0.00     0.00    20.00     0.00
INITIAL         3  BB      32.00     0.00     3.00     0.11     0.00     0.00    20.00     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/m²/d   per day     m/d          per day  per day     m/d          per day
COEFF-1   1  BB   3 OCONNER-DOBB   0.000    0.000    0.000    0.500    0.150    0.000    1.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   2  IC   3 OCONNER-DOBB   0.000    0.000    0.000    0.700    0.150    0.000    1.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3  BB   3 OCONNER-DOBB   0.000    0.000    0.000    0.500    0.150    0.000    1.000    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  BB     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2         2  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2         3  BB     0.020    0.000    1.000    0.130    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
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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   BB      0.00000    0.05000    30.00     0.00     0.00     0.00   0.00303   0.00000
INCR-1          2   IC      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1          3   BB      0.00000    0.00000    30.00     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   BB       3.50     5.54     1.16      0.11      0.00      0.00
INCR-2          2   IC       3.50     5.54     1.16      0.11      0.00      0.00
INCR-2          3   BB       3.50     5.54     1.16      0.11      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   BB     240.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        2   IC     240.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        3   BB     700.00      0.00      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
                                          m³/s      cfs   deg C      ppt
HDWTR-1        1     BayouBlue#1           0   1.72700   60.982   31.30     0.00     0.000     0.000   0.00
HDWTR-1      166     ICWWtoBlue            0   1.41600   50.000   31.30     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     BayouBlue#1             3.50      5.54      1.16      0.11      0.00      0.00
HDWTR-2      166     ICWWtoBlue              4.53      3.83      0.49      0.04      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   UPSTRM    RIVER     NAME
          ELEMENT  ELEMENT    KILOM
JUNCTION      180     165      3.70     ICWWtoBlue
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT    RKILO  NAME                 FLOW      FLOW     FLOW    TEMP    SALIN      CM-I     CM-II
                                             m³/s       cfs      MGD   deg C      ppt
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WSTLD-1      63     14.00  toICWW            -0.15091   -5.32874   -3.445   30.00    0.00    0.000    0.000
WSTLD-1     119      8.40  LAG541539           0.00020    0.00706    0.005   30.00    0.00    0.000    0.000
WSTLD-1     119      8.40  LA0084077           0.00017    0.00600    0.004   30.00    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       63    toICWW                0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
WSTLD-2      119    LAG541539             5.00    69.00     0.00     5.00    10.00     0.00     0.00     0.00
WSTLD-2      119    LA0084077             5.00   103.50     0.00     7.50    15.00     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
                                        mg/L     mg/L     mg/L     mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                  CONCENTRATION
LOWER BC     TEMPERATURE                      31.400     deg C
LOWER BC     SALINITY                      0.000     ppt
LOWER BC     CONSERVATIVE MATERIAL I              0.000
LOWER BC     CONSERVATIVE MATERIAL II             0.000
LOWER BC     DISSOLVED OXYGEN                  4.850     mg/L
LOWER BC     BIOCHEMICAL OXYGEN DEMAND             4.030     mg/L
LOWER BC     ORGANIC NITROGEN                  0.000     mg/L
LOWER BC     AMMONIA NITROGEN                  0.100     mg/L
LOWER BC     NITRATE + NITRITE                 0.320     mg/L
LOWER BC     PHOSPHORUS                        0.000     mg/L
LOWER BC     CHLOROPHYLL A                    20.000     µg/L
LOWER BC     COLIFORM                      0.000     #/100 mL
LOWER BC     NONCONSERVATIVE MATERIAL             0.000
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 =  2
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH  1  3
NUMBER OF REACHES IN PLOT 2 =   1
PLOT RCH  2
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 Blue.ovl                    :BayouBlue (120604)
OVERLAY 2 ICWWtoBlue.ovl              :ICWWtoBlue
ENDATA31
    .....NO ERRORS DETECTED IN INPUT DATA
```

.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 8 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

INTERMEDIATE REPORT
Dissolved Oxygen LA-QUAL baseline for Bayou Blue
mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	3.59	3.69	3.77	3.86	3.94	4.03	4.11	4.18	4.26	4.33
BB	1	11	4.40	4.47	4.54	4.61	4.67	4.73	4.79	4.85	4.91	4.97
BB	1	21	5.02	5.07	5.12	5.18	5.22	5.27	5.32	5.36	5.41	5.45
BB	1	31	5.49	5.53	5.57	5.61	5.65	5.68	5.72	5.75	5.78	5.82
BB	1	41	5.85	5.88	5.91	5.94	5.97	5.99	6.02	6.05	6.07	6.10
BB	1	51	6.12	6.14	6.17	6.19	6.21	6.23	6.25	6.27	6.29	6.31
BB	1	61	6.33	6.35	6.36	6.38	6.40	6.41	6.43	6.44	6.46	6.47
BB	1	71	6.49	6.50	6.51	6.52	6.54	6.55	6.56	6.57	6.58	6.59
BB	1	81	6.60	6.61	6.62	6.63	6.64	6.65	6.66	6.67	6.68	6.68
BB	1	91	6.69	6.70	6.71	6.71	6.72	6.73	6.73	6.74	6.74	6.75
BB	1	101	6.76	6.76	6.77	6.77	6.78	6.78	6.78	6.79	6.79	6.80
BB	1	111	6.80	6.81	6.81	6.81	6.82	6.82	6.82	6.83	6.83	6.83
BB	1	121	6.83	6.84	6.84	6.84	6.85	6.85	6.85	6.85	6.85	6.86
BB	1	131	6.86	6.86	6.86	6.86	6.86	6.87	6.87	6.87	6.87	6.87
BB	1	141	6.87	6.87	6.88	6.88	6.88	6.88	6.88	6.88	6.88	6.88
BB	1	151	6.88	6.88	6.88	6.89	6.89	6.89	6.89	6.89	6.89	6.89
BB	1	161	6.89	6.89	6.89	6.89	6.80					
BB	3	180	5.88	5.88	5.88	5.88	5.87	5.87	5.87	5.87	5.87	5.87
BB	3	190	5.87	5.87	5.87	5.86	5.86	5.86	5.86	5.86	5.86	5.85
BB	3	200	5.85	5.85	5.85	5.85	5.84	5.84	5.84	5.84	5.84	5.83
BB	3	210	5.83	5.83	5.83	5.82	5.82	5.81	5.67			
IC	2	166	4.56	4.58	4.60	4.62	4.64	4.65	4.66	4.68	4.69	4.70
IC	2	176	4.71	4.72	4.76	4.99						

INTERMEDIATE REPORT
Effective BOD LA-QUAL baseline for Bayou Blue
mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	5.55	5.55	5.56	5.56	5.57	5.57	5.58	5.58	5.59	5.59
BB	1	11	5.60	5.60	5.61	5.61	5.62	5.62	5.63	5.63	5.64	5.64
BB	1	21	5.65	5.65	5.66	5.66	5.67	5.67	5.67	5.68	5.68	5.69
BB	1	31	5.69	5.70	5.70	5.71	5.71	5.72	5.72	5.73	5.73	5.74
BB	1	41	5.74	5.75	5.75	5.76	5.76	5.77	5.77	5.78	5.78	5.79
BB	1	51	5.79	5.80	5.80	5.80	5.81	5.81	5.82	5.82	5.83	5.83
BB	1	61	5.84	5.84	5.85	5.85	5.86	5.86	5.87	5.87	5.88	5.88
BB	1	71	5.89	5.89	5.90	5.90	5.91	5.91	5.92	5.92	5.93	5.93
BB	1	81	5.94	5.94	5.95	5.95	5.96	5.96	5.97	5.97	5.98	5.98
BB	1	91	5.99	5.99	6.00	6.00	6.01	6.01	6.02	6.02	6.03	6.03
BB	1	101	6.03	6.04	6.04	6.05	6.05	6.06	6.06	6.07	6.07	6.08
BB	1	111	6.08	6.09	6.09	6.10	6.10	6.11	6.11	6.12	6.14	6.14

BB	1	121	6.15	6.15	6.16	6.16	6.17	6.17	6.18	6.18	6.18	6.19
BB	1	131	6.19	6.20	6.20	6.21	6.21	6.22	6.22	6.23	6.23	6.23
BB	1	141	6.24	6.24	6.25	6.25	6.26	6.26	6.27	6.27	6.27	6.28
BB	1	151	6.28	6.29	6.29	6.30	6.30	6.31	6.31	6.31	6.32	6.32
BB	1	161	6.33	6.33	6.34	6.34	6.29					
BB	3	180	5.75	5.78	5.82	5.86	5.90	5.94	5.97	6.01	6.05	6.08
BB	3	190	6.12	6.16	6.19	6.23	6.26	6.30	6.34	6.37	6.41	6.44
BB	3	200	6.48	6.51	6.54	6.58	6.61	6.65	6.68	6.71	6.75	6.78
BB	3	210	6.81	6.85	6.88	6.91	6.94	6.93	6.53			
IC	2	166	3.94	4.02	4.11	4.20	4.28	4.36	4.44	4.52	4.60	4.68
IC	2	176	4.76	4.84	4.94	5.15						

INTERMEDIATE REPORT

Biochemical Oxygen Demand LA-QUAL baseline for Bayou Blue

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	5.55	5.55	5.56	5.56	5.57	5.57	5.58	5.58	5.59	5.59
BB	1	11	5.60	5.60	5.61	5.61	5.62	5.62	5.63	5.63	5.64	5.64
BB	1	21	5.65	5.65	5.66	5.66	5.67	5.67	5.67	5.68	5.68	5.69
BB	1	31	5.69	5.70	5.70	5.71	5.71	5.72	5.72	5.73	5.73	5.74
BB	1	41	5.74	5.75	5.75	5.76	5.76	5.77	5.77	5.78	5.78	5.79
BB	1	51	5.79	5.80	5.80	5.80	5.81	5.81	5.82	5.82	5.83	5.83
BB	1	61	5.84	5.84	5.85	5.85	5.86	5.86	5.87	5.87	5.88	5.88
BB	1	71	5.89	5.89	5.90	5.90	5.91	5.91	5.92	5.92	5.93	5.93
BB	1	81	5.94	5.94	5.95	5.95	5.96	5.96	5.97	5.97	5.98	5.98
BB	1	91	5.99	5.99	6.00	6.00	6.01	6.01	6.02	6.02	6.03	6.03
BB	1	101	6.03	6.04	6.04	6.05	6.05	6.06	6.06	6.07	6.07	6.08
BB	1	111	6.08	6.09	6.09	6.10	6.10	6.11	6.11	6.12	6.14	6.14
BB	1	121	6.15	6.15	6.16	6.16	6.17	6.17	6.18	6.18	6.18	6.19
BB	1	131	6.19	6.20	6.20	6.21	6.21	6.22	6.22	6.23	6.23	6.23
BB	1	141	6.24	6.24	6.25	6.25	6.26	6.26	6.27	6.27	6.27	6.28
BB	1	151	6.28	6.29	6.29	6.30	6.30	6.31	6.31	6.31	6.32	6.32
BB	1	161	6.33	6.33	6.34	6.34	6.29					
BB	3	180	5.75	5.78	5.82	5.86	5.90	5.94	5.97	6.01	6.05	6.08
BB	3	190	6.12	6.16	6.19	6.23	6.26	6.30	6.34	6.37	6.41	6.44
BB	3	200	6.48	6.51	6.54	6.58	6.61	6.65	6.68	6.71	6.75	6.78
BB	3	210	6.81	6.85	6.88	6.91	6.94	6.93	6.53			
IC	2	166	3.94	4.02	4.11	4.20	4.28	4.36	4.44	4.52	4.60	4.68
IC	2	176	4.76	4.84	4.94	5.15						

INTERMEDIATE REPORT

Organic Nitrogen LA-QUAL baseline for Bayou Blue

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
BB	1	11	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
BB	1	21	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
BB	1	31	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
BB	1	41	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
BB	1	51	1.16	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	61	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	71	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15

BB	1	81	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	91	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	101	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	111	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	121	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	131	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	141	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	151	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
BB	1	161	1.15	1.14	1.14	1.14	1.12					
BB	3	180	0.84	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
BB	3	190	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
BB	3	200	0.83	0.83	0.83	0.82	0.82	0.82	0.82	0.82	0.82	0.82
BB	3	210	0.82	0.82	0.82	0.82	0.82	0.81	0.69			
IC	2	166	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48
IC	2	176	0.48	0.49	0.50	0.57						

INTERMEDIATE REPORT

Ammonia Nitrogen LA-QUAL baseline for Bayou Blue

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	21	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	31	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	41	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	51	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	61	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	71	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	81	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	91	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	101	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	111	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	121	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	131	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	141	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	151	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BB	1	161	0.11	0.11	0.11	0.11	0.11					
BB	3	180	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
BB	3	190	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
BB	3	200	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
BB	3	210	0.08	0.08	0.08	0.08	0.08	0.08	0.08			
IC	2	166	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
IC	2	176	0.04	0.04	0.04	0.05						

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen LA-QUAL baseline for Bayou Blue

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

BB	1	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	161	0.00	0.00	0.00	0.00	0.00					
BB	3	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	210	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IC	2	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	176	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Total Nitrogen LA-QUAL baseline for Bayou Blue

mg/L

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
BB	1	11	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
BB	1	21	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
BB	1	31	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
BB	1	41	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
BB	1	51	1.27	1.27	1.27	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	61	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	71	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	81	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	91	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	101	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	111	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	121	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	131	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	141	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	151	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
BB	1	161	1.26	1.26	1.26	1.26	1.23					
BB	3	180	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
BB	3	190	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
BB	3	200	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
BB	3	210	0.90	0.90	0.90	0.90	0.90	0.89	0.77			
IC	2	166	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.52
IC	2	176	0.52	0.53	0.54	0.62						

INTERMEDIATE REPORT

Chlorophyll a LA-QUAL baseline for Bayou Blue

µg/L

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

BB	1	1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	11	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	21	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	31	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	41	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	51	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	61	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	71	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	81	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	91	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	101	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	111	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	121	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	131	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	141	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	151	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	1	161	20.00	20.00	20.00	20.00	20.00					
BB	3	180	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	3	190	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	3	200	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
BB	3	210	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
IC	2	166	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
IC	2	176	20.00	20.00	20.00	20.00						

INTERMEDIATE REPORT

Temperature LA-QUAL baseline for Bayou Blue

deg C

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	31.20	31.21	31.21	31.22	31.22	31.23	31.23	31.24	31.24	31.25
BB	1	11	31.25	31.26	31.26	31.27	31.27	31.28	31.28	31.29	31.29	31.30
BB	1	21	31.30	31.31	31.31	31.32	31.32	31.33	31.33	31.34	31.34	31.35
BB	1	31	31.35	31.36	31.36	31.36	31.37	31.37	31.38	31.38	31.39	31.39
BB	1	41	31.40	31.40	31.41	31.41	31.42	31.42	31.43	31.43	31.44	31.44
BB	1	51	31.45	31.45	31.46	31.46	31.47	31.47	31.48	31.48	31.49	31.49
BB	1	61	31.50	31.50	31.51	31.51	31.52	31.52	31.52	31.53	31.53	31.54
BB	1	71	31.54	31.55	31.55	31.56	31.56	31.57	31.57	31.58	31.58	31.59
BB	1	81	31.59	31.60	31.60	31.61	31.61	31.62	31.62	31.63	31.63	31.64
BB	1	91	31.64	31.65	31.65	31.66	31.66	31.67	31.67	31.68	31.68	31.68
BB	1	101	31.69	31.69	31.70	31.70	31.71	31.71	31.72	31.72	31.73	31.73
BB	1	111	31.74	31.74	31.75	31.75	31.76	31.76	31.77	31.77	31.78	31.78
BB	1	121	31.79	31.79	31.80	31.80	31.81	31.81	31.82	31.82	31.83	31.83
BB	1	131	31.84	31.84	31.84	31.85	31.85	31.86	31.86	31.87	31.87	31.88
BB	1	141	31.88	31.89	31.89	31.90	31.90	31.91	31.91	31.92	31.92	31.93
BB	1	151	31.93	31.94	31.94	31.95	31.95	31.96	31.96	31.97	31.97	31.98
BB	1	161	31.98	31.99	31.99	32.00	32.00					
BB	3	180	31.98	31.97	31.95	31.94	31.92	31.90	31.89	31.87	31.85	31.84
BB	3	190	31.82	31.81	31.79	31.77	31.76	31.74	31.72	31.71	31.69	31.68
BB	3	200	31.66	31.64	31.63	31.61	31.59	31.58	31.56	31.55	31.53	31.51
BB	3	210	31.50	31.48	31.46	31.45	31.43	31.42	31.40			
IC	2	166	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
IC	2	176	32.00	32.00	32.00	32.00						

INTERMEDIATE REPORT

Salinity LA-QUAL baseline for Bayou Blue

ppt

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	161	0.00	0.00	0.00	0.00	0.00					
BB	3	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	210	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IC	2	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	176	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Reaeration Rate LA-QUAL baseline for Bayou Blue

per day

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	8.027	8.028	8.030	8.031	8.033	8.034	8.035	8.037	8.038	8.039
BB	1	11	8.041	8.042	8.043	8.045	8.046	8.048	8.049	8.050	8.052	8.053
BB	1	21	8.054	8.056	8.057	8.058	8.060	8.061	8.063	8.064	8.065	8.067
BB	1	31	8.068	8.069	8.071	8.072	8.074	8.075	8.076	8.078	8.079	8.080
BB	1	41	8.082	8.083	8.085	8.086	8.087	8.089	8.090	8.091	8.093	8.094
BB	1	51	8.095	8.097	8.098	8.100	8.101	8.102	8.104	8.105	8.106	8.108
BB	1	61	8.109	8.111	7.754	7.755	7.756	7.758	7.759	7.760	7.762	7.763
BB	1	71	7.764	7.766	7.767	7.769	7.770	7.772	7.773	7.774	7.776	7.777
BB	1	81	7.778	7.780	7.781	7.782	7.784	7.785	7.787	7.788	7.789	7.791
BB	1	91	7.792	7.793	7.795	7.796	7.798	7.799	7.800	7.802	7.803	7.804
BB	1	101	7.806	7.807	7.809	7.810	7.811	7.813	7.814	7.815	7.817	7.818
BB	1	111	7.820	7.821	7.822	7.824	7.825	7.827	7.828	7.829	7.832	7.833
BB	1	121	7.834	7.836	7.837	7.838	7.840	7.841	7.843	7.844	7.845	7.847
BB	1	131	7.848	7.849	7.851	7.852	7.854	7.855	7.856	7.858	7.859	7.860
BB	1	141	7.862	7.863	7.865	7.866	7.867	7.869	7.870	7.872	7.873	7.874
BB	1	151	7.876	7.877	7.878	7.880	7.881	7.883	7.884	7.885	7.887	7.888
BB	1	161	7.889	7.891	7.892	7.894	7.895					
BB	3	180	1.302	1.301	1.301	1.301	1.300	1.300	1.300	1.299	1.299	1.299
BB	3	190	1.298	1.298	1.298	1.297	1.297	1.296	1.296	1.296	1.295	1.295

BB	3	200	1.295	1.294	1.294	1.294	1.293	1.293	1.293	1.292	1.292	1.292
BB	3	210	1.291	1.291	1.290	1.290	1.290	1.289	1.289			
IC	2	166	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622
IC	2	176	0.622	0.622	0.622	0.622						

INTERMEDIATE REPORT

BOD Decay Rate per day — LA-QUAL baseline for Bayou Blue

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	11	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	21	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	31	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	41	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	51	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	61	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	71	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	81	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	91	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	101	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	111	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	121	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	131	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	141	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	151	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	161	0.26	0.26	0.26	0.26	0.26					
BB	3	180	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	3	190	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	3	200	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25
BB	3	210	0.25	0.25	0.25	0.25	0.25	0.25	0.25			
IC	2	166	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	176	0.26	0.26	0.26	0.26						

INTERMEDIATE REPORT

BOD Settling Rate per day — LA-QUAL baseline for Bayou Blue

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

BB	1	151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	1	161	0.00	0.00	0.00	0.00	0.00					
BB	3	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BB	3	210	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
IC	2	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC	2	176	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Ammonia Decay Rate LA-QUAL baseline for Bayou Blue
per day

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24
BB	1	11	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BB	1	21	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	31	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
BB	1	41	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27
BB	1	51	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	1	61	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	1	71	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	1	81	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	1	91	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28
BB	1	101	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
BB	1	111	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
BB	1	121	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
BB	1	131	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
BB	1	141	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
BB	1	151	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
BB	1	161	0.28	0.28	0.28	0.28	0.28					
BB	3	180	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	3	190	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	3	200	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
BB	3	210	0.27	0.27	0.27	0.27	0.27	0.27	0.26			
IC	2	166	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
IC	2	176	0.26	0.26	0.26	0.27						

INTERMEDIATE REPORT

Sediment Oxygen Demand LA-QUAL baseline for Bayou Blue
$g/m^2/d$

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
BB	1	1	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.02
BB	1	11	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
BB	1	21	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
BB	1	31	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
BB	1	41	1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
BB	1	51	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
BB	1	61	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
BB	1	71	1.03	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	1	81	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	1	91	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
BB	1	101	1.04	1.04	1.04	1.04	1.05	1.05	1.05	1.05	1.05	1.05

BB	1	111	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
BB	1	121	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
BB	1	131	1.05	1.05	1.05	1.05	1.05	1.06	1.06	1.06	1.06	1.06
BB	1	141	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
BB	1	151	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
BB	1	161	1.06	1.06	1.06	1.06	1.06					
BB	3	180	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.05	1.05
BB	3	190	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.04	1.04
BB	3	200	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.03	1.03	1.03
BB	3	210	1.03	1.03	1.03	1.03	1.03	1.03	1.03			
IC	2	166	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
IC	2	176	1.49	1.49	1.49	1.49						

EXPANDED CAPSULE SUMMARY FOR BayouBlue#1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	VELO	VELO	SAT	RATE	DECA	SETT	DECA	SETT	DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
	HDWTR		1.727	31.3	0.0	3.5	5.5	0.0	1.2	0.1	20.0													
1	BB 1	20.10	1.727	31.2	0.0	3.6	5.5	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.345	0.345	7.4	8.027	0.25	0.00	0.00	0.00	0.23	1.01
2	BB 1	20.00	1.728	31.2	0.0	3.7	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.028	0.25	0.00	0.00	0.00	0.23	1.01
3	BB 1	19.90	1.728	31.2	0.0	3.8	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.030	0.25	0.00	0.00	0.00	0.23	1.01
4	BB 1	19.80	1.728	31.2	0.0	3.9	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.031	0.25	0.00	0.00	0.00	0.24	1.01
5	BB 1	19.70	1.729	31.2	0.0	3.9	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.033	0.25	0.00	0.00	0.00	0.24	1.01
6	BB 1	19.60	1.729	31.2	0.0	4.0	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.034	0.25	0.00	0.00	0.00	0.24	1.01
7	BB 1	19.50	1.729	31.2	0.0	4.1	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.035	0.25	0.00	0.00	0.00	0.24	1.01
8	BB 1	19.40	1.729	31.2	0.0	4.2	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.037	0.25	0.00	0.00	0.00	0.24	1.01
9	BB 1	19.30	1.730	31.2	0.0	4.3	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.038	0.25	0.00	0.00	0.00	0.24	1.02
10	BB 1	19.20	1.730	31.2	0.0	4.3	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.039	0.25	0.00	0.00	0.00	0.24	1.02
11	BB 1	19.10	1.730	31.3	0.0	4.4	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.041	0.25	0.00	0.00	0.00	0.24	1.02
12	BB 1	19.00	1.731	31.3	0.0	4.5	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.042	0.25	0.00	0.00	0.00	0.25	1.02
13	BB 1	18.90	1.731	31.3	0.0	4.5	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.043	0.25	0.00	0.00	0.00	0.25	1.02
14	BB 1	18.80	1.731	31.3	0.0	4.6	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.045	0.25	0.00	0.00	0.00	0.25	1.02
15	BB 1	18.70	1.732	31.3	0.0	4.7	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.046	0.25	0.00	0.00	0.00	0.25	1.02
16	BB 1	18.60	1.732	31.3	0.0	4.7	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.048	0.25	0.00	0.00	0.00	0.25	1.02
17	BB 1	18.50	1.732	31.3	0.0	4.8	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.049	0.25	0.00	0.00	0.00	0.25	1.02
18	BB 1	18.40	1.732	31.3	0.0	4.9	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.346	0.346	7.4	8.050	0.25	0.00	0.00	0.00	0.25	1.02
19	BB 1	18.30	1.733	31.3	0.0	4.9	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.052	0.25	0.00	0.00	0.00	0.25	1.02
20	BB 1	18.20	1.733	31.3	0.0	5.0	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.053	0.25	0.00	0.00	0.00	0.25	1.02
21	BB 1	18.10	1.733	31.3	0.0	5.0	5.6	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.054	0.25	0.00	0.00	0.00	0.25	1.02
22	BB 1	18.00	1.734	31.3	0.0	5.1	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.056	0.25	0.00	0.00	0.00	0.25	1.02
23	BB 1	17.90	1.734	31.3	0.0	5.1	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.057	0.25	0.00	0.00	0.00	0.25	1.02
24	BB 1	17.80	1.734	31.3	0.0	5.2	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.058	0.25	0.00	0.00	0.00	0.26	1.02
25	BB 1	17.70	1.735	31.3	0.0	5.2	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.060	0.25	0.00	0.00	0.00	0.26	1.02
26	BB 1	17.60	1.735	31.3	0.0	5.3	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.061	0.25	0.00	0.00	0.00	0.26	1.02
27	BB 1	17.50	1.735	31.3	0.0	5.3	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.063	0.25	0.00	0.00	0.00	0.26	1.02
28	BB 1	17.40	1.735	31.3	0.0	5.4	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.064	0.25	0.00	0.00	0.00	0.26	1.02
29	BB 1	17.30	1.736	31.3	0.0	5.4	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.065	0.25	0.00	0.00	0.00	0.26	1.02
30	BB 1	17.20	1.736	31.3	0.0	5.4	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.067	0.25	0.00	0.00	0.00	0.26	1.02
31	BB 1	17.10	1.736	31.4	0.0	5.5	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.068	0.25	0.00	0.00	0.00	0.26	1.02
32	BB 1	17.00	1.737	31.4	0.0	5.5	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.069	0.25	0.00	0.00	0.00	0.26	1.02
33	BB 1	16.90	1.737	31.4	0.0	5.6	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.071	0.25	0.00	0.00	0.00	0.26	1.02

34 BB	1	16.80	1.737	31.4	0.0	5.6	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.347	0.347	7.4	8.072	0.25	0.00	0.00	0.00	0.26	1.02
35 BB	1	16.70	1.738	31.4	0.0	5.6	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.074	0.25	0.00	0.00	0.00	0.26	1.02
36 BB	1	16.60	1.738	31.4	0.0	5.7	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.075	0.25	0.00	0.00	0.00	0.26	1.02
37 BB	1	16.50	1.738	31.4	0.0	5.7	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.076	0.25	0.00	0.00	0.00	0.26	1.02
38 BB	1	16.40	1.739	31.4	0.0	5.8	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.078	0.25	0.00	0.00	0.00	0.26	1.02
39 BB	1	16.30	1.739	31.4	0.0	5.8	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.079	0.25	0.00	0.00	0.00	0.26	1.02
40 BB	1	16.20	1.739	31.4	0.0	5.8	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.080	0.25	0.00	0.00	0.00	0.26	1.02
41 BB	1	16.10	1.739	31.4	0.0	5.8	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.082	0.25	0.00	0.00	0.00	0.26	1.02
42 BB	1	16.00	1.740	31.4	0.0	5.9	5.7	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.083	0.25	0.00	0.00	0.00	0.26	1.03
43 BB	1	15.90	1.740	31.4	0.0	5.9	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.085	0.25	0.00	0.00	0.00	0.26	1.03
44 BB	1	15.80	1.740	31.4	0.0	5.9	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.086	0.25	0.00	0.00	0.00	0.26	1.03
45 BB	1	15.70	1.741	31.4	0.0	6.0	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.087	0.25	0.00	0.00	0.00	0.26	1.03
46 BB	1	15.60	1.741	31.4	0.0	6.0	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.089	0.25	0.00	0.00	0.00	0.27	1.03
47 BB	1	15.50	1.741	31.4	0.0	6.0	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.090	0.25	0.00	0.00	0.00	0.27	1.03
48 BB	1	15.40	1.742	31.4	0.0	6.0	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.091	0.25	0.00	0.00	0.00	0.27	1.03
49 BB	1	15.30	1.742	31.4	0.0	6.1	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.093	0.25	0.00	0.00	0.00	0.27	1.03
50 BB	1	15.20	1.742	31.4	0.0	6.1	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.094	0.25	0.00	0.00	0.00	0.27	1.03
51 BB	1	15.10	1.742	31.4	0.0	6.1	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.348	0.348	7.4	8.095	0.25	0.00	0.00	0.00	0.27	1.03
52 BB	1	15.00	1.743	31.5	0.0	6.1	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.097	0.25	0.00	0.00	0.00	0.27	1.03
53 BB	1	14.90	1.743	31.5	0.0	6.2	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.098	0.25	0.00	0.00	0.00	0.27	1.03
54 BB	1	14.80	1.743	31.5	0.0	6.2	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.100	0.25	0.00	0.00	0.00	0.27	1.03
55 BB	1	14.70	1.744	31.5	0.0	6.2	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.101	0.25	0.00	0.00	0.00	0.27	1.03
56 BB	1	14.60	1.744	31.5	0.0	6.2	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.102	0.25	0.00	0.00	0.00	0.27	1.03
57 BB	1	14.50	1.744	31.5	0.0	6.3	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.104	0.25	0.00	0.00	0.00	0.27	1.03
58 BB	1	14.40	1.745	31.5	0.0	6.3	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.105	0.25	0.00	0.00	0.00	0.27	1.03
59 BB	1	14.30	1.745	31.5	0.0	6.3	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.106	0.25	0.00	0.00	0.00	0.27	1.03
60 BB	1	14.20	1.745	31.5	0.0	6.3	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.108	0.25	0.00	0.00	0.00	0.27	1.03
61 BB	1	14.10	1.745	31.5	0.0	6.3	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.109	0.25	0.00	0.00	0.00	0.27	1.03
62 BB	1	14.00	1.746	31.5	0.0	6.3	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.349	0.349	7.4	8.111	0.25	0.00	0.00	0.00	0.27	1.03

DIVERSION # 063 (toICWW) LEAVES HERE

63 BB	1	13.90	1.595	31.5	0.0	6.4	5.8	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.319	0.319	7.4	7.754	0.25	0.00	0.00	0.00	0.27	1.03
64 BB	1	13.80	1.595	31.5	0.0	6.4	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.319	0.319	7.4	7.755	0.25	0.00	0.00	0.00	0.27	1.03
65 BB	1	13.70	1.596	31.5	0.0	6.4	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.319	0.319	7.4	7.756	0.25	0.00	0.00	0.00	0.27	1.03
66 BB	1	13.60	1.596	31.5	0.0	6.4	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.319	0.319	7.4	7.758	0.25	0.00	0.00	0.00	0.27	1.03
67 BB	1	13.50	1.596	31.5	0.0	6.4	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.319	0.319	7.4	7.759	0.25	0.00	0.00	0.00	0.27	1.03
68 BB	1	13.40	1.597	31.5	0.0	6.4	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.319	0.319	7.4	7.760	0.25	0.00	0.00	0.00	0.27	1.03
69 BB	1	13.30	1.597	31.5	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.319	0.319	7.4	7.762	0.25	0.00	0.00	0.00	0.27	1.03
70 BB	1	13.20	1.597	31.5	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.319	0.319	7.4	7.763	0.25	0.00	0.00	0.00	0.27	1.03
71 BB	1	13.10	1.598	31.5	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.764	0.25	0.00	0.00	0.00	0.27	1.03
72 BB	1	13.00	1.598	31.5	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.766	0.25	0.00	0.00	0.00	0.27	1.03

EXPANDED CAPSULE SUMMARY FOR BayouBlue#1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
73 BB	1	12.90	1.598	31.6	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.767	0.26	0.00	0.00	0.00	0.27	1.04
74 BB	1	12.80	1.599	31.6	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.769	0.26	0.00	0.00	0.00	0.27	1.04
75 BB	1	12.70	1.599	31.6	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.770	0.26	0.00	0.00	0.00	0.27	1.04
76 BB	1	12.60	1.599	31.6	0.0	6.5	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.772	0.26	0.00	0.00	0.00	0.27	1.04
77 BB	1	12.50	1.599	31.6	0.0	6.6	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.773	0.26	0.00	0.00	0.00	0.27	1.04
78 BB	1	12.40	1.600	31.6	0.0	6.6	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.774	0.26	0.00	0.00	0.00	0.27	1.04

79	BB	1	12.30	1.600	31.6	0.0	6.6	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.776	0.26	0.00	0.00	0.00	0.27	1.04
80	BB	1	12.20	1.600	31.6	0.0	6.6	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.777	0.26	0.00	0.00	0.00	0.27	1.04
81	BB	1	12.10	1.601	31.6	0.0	6.6	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.778	0.26	0.00	0.00	0.00	0.27	1.04
82	BB	1	12.00	1.601	31.6	0.0	6.6	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.780	0.26	0.00	0.00	0.00	0.27	1.04
83	BB	1	11.90	1.601	31.6	0.0	6.6	5.9	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.781	0.26	0.00	0.00	0.00	0.27	1.04
84	BB	1	11.80	1.602	31.6	0.0	6.6	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.782	0.26	0.00	0.00	0.00	0.27	1.04
85	BB	1	11.70	1.602	31.6	0.0	6.6	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.784	0.26	0.00	0.00	0.00	0.27	1.04
86	BB	1	11.60	1.602	31.6	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.785	0.26	0.00	0.00	0.00	0.27	1.04
87	BB	1	11.50	1.602	31.6	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.320	0.320	7.4	7.787	0.26	0.00	0.00	0.00	0.27	1.04
88	BB	1	11.40	1.603	31.6	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.4	7.788	0.26	0.00	0.00	0.00	0.27	1.04
89	BB	1	11.30	1.603	31.6	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.4	7.789	0.26	0.00	0.00	0.00	0.27	1.04
90	BB	1	11.20	1.603	31.6	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.791	0.26	0.00	0.00	0.00	0.27	1.04
91	BB	1	11.10	1.604	31.6	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.792	0.26	0.00	0.00	0.00	0.27	1.04
92	BB	1	11.00	1.604	31.6	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.793	0.26	0.00	0.00	0.00	0.27	1.04
93	BB	1	10.90	1.604	31.7	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.795	0.26	0.00	0.00	0.00	0.27	1.04
94	BB	1	10.80	1.605	31.7	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.796	0.26	0.00	0.00	0.00	0.28	1.04
95	BB	1	10.70	1.605	31.7	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.798	0.26	0.00	0.00	0.00	0.28	1.04
96	BB	1	10.60	1.605	31.7	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.799	0.26	0.00	0.00	0.00	0.28	1.04
97	BB	1	10.50	1.605	31.7	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.800	0.26	0.00	0.00	0.00	0.28	1.04
98	BB	1	10.40	1.606	31.7	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.802	0.26	0.00	0.00	0.00	0.28	1.04
99	BB	1	10.30	1.606	31.7	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.803	0.26	0.00	0.00	0.00	0.28	1.04
100	BB	1	10.20	1.606	31.7	0.0	6.7	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.804	0.26	0.00	0.00	0.00	0.28	1.04
101	BB	1	10.10	1.607	31.7	0.0	6.8	6.0	0.0	1.2	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.806	0.26	0.00	0.00	0.00	0.28	1.04
102	BB	1	10.00	1.607	31.7	0.0	6.8	6.0	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.807	0.26	0.00	0.00	0.00	0.28	1.04
103	BB	1	9.90	1.607	31.7	0.0	6.8	6.0	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.321	0.321	7.3	7.809	0.26	0.00	0.00	0.00	0.28	1.04
104	BB	1	9.80	1.608	31.7	0.0	6.8	6.0	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.810	0.26	0.00	0.00	0.00	0.28	1.04
105	BB	1	9.70	1.608	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.811	0.26	0.00	0.00	0.00	0.28	1.05
106	BB	1	9.60	1.608	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.813	0.26	0.00	0.00	0.00	0.28	1.05
107	BB	1	9.50	1.609	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.814	0.26	0.00	0.00	0.00	0.28	1.05
108	BB	1	9.40	1.609	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.815	0.26	0.00	0.00	0.00	0.28	1.05
109	BB	1	9.30	1.609	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.817	0.26	0.00	0.00	0.00	0.28	1.05
110	BB	1	9.20	1.609	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.818	0.26	0.00	0.00	0.00	0.28	1.05
111	BB	1	9.10	1.610	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.820	0.26	0.00	0.00	0.00	0.28	1.05
112	BB	1	9.00	1.610	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.821	0.26	0.00	0.00	0.00	0.28	1.05
113	BB	1	8.90	1.610	31.7	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.822	0.26	0.00	0.00	0.00	0.28	1.05
114	BB	1	8.80	1.611	31.8	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.824	0.26	0.00	0.00	0.00	0.28	1.05
115	BB	1	8.70	1.611	31.8	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.825	0.26	0.00	0.00	0.00	0.28	1.05
116	BB	1	8.60	1.611	31.8	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.827	0.26	0.00	0.00	0.00	0.28	1.05
117	BB	1	8.50	1.612	31.8	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.828	0.26	0.00	0.00	0.00	0.28	1.05
118	BB	1	8.40	1.612	31.8	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.322	0.322	7.3	7.829	0.26	0.00	0.00	0.00	0.28	1.05
WASTELOAD # 119 (LAG541539) ENTERS HERE																									
WASTELOAD # 119 (LA0084077) ENTERS HERE																									
119	BB	1	8.30	1.613	31.8	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.832	0.26	0.00	0.00	0.00	0.28	1.05
120	BB	1	8.20	1.613	31.8	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.833	0.26	0.00	0.00	0.00	0.28	1.05
121	BB	1	8.10	1.613	31.8	0.0	6.8	6.1	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.834	0.26	0.00	0.00	0.00	0.28	1.05
122	BB	1	8.00	1.613	31.8	0.0	6.8	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.836	0.26	0.00	0.00	0.00	0.28	1.05
123	BB	1	7.90	1.614	31.8	0.0	6.8	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.837	0.26	0.00	0.00	0.00	0.28	1.05
124	BB	1	7.80	1.614	31.8	0.0	6.8	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.838	0.26	0.00	0.00	0.00	0.28	1.05
125	BB	1	7.70	1.614	31.8	0.0	6.8	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.840	0.26	0.00	0.00	0.00	0.28	1.05
126	BB	1	7.60	1.615	31.8	0.0	6.8	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.841	0.26	0.00	0.00	0.00	0.28	1.05

127	BB	1	7.50	1.615	31.8	0.0	6.8	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.843	0.26	0.00	0.00	0.00	0.28	1.05
128	BB	1	7.40	1.615	31.8	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.844	0.26	0.00	0.00	0.00	0.28	1.05
129	BB	1	7.30	1.616	31.8	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.845	0.26	0.00	0.00	0.00	0.28	1.05
130	BB	1	7.20	1.616	31.8	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.847	0.26	0.00	0.00	0.00	0.28	1.05
131	BB	1	7.10	1.616	31.8	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.848	0.26	0.00	0.00	0.00	0.28	1.05
132	BB	1	7.00	1.616	31.8	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.849	0.26	0.00	0.00	0.00	0.28	1.05
133	BB	1	6.90	1.617	31.8	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.851	0.26	0.00	0.00	0.00	0.28	1.05
134	BB	1	6.80	1.617	31.8	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.852	0.26	0.00	0.00	0.00	0.28	1.05
135	BB	1	6.70	1.617	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.323	0.323	7.3	7.854	0.26	0.00	0.00	0.00	0.28	1.05
136	BB	1	6.60	1.618	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.855	0.26	0.00	0.00	0.00	0.28	1.06
137	BB	1	6.50	1.618	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.856	0.26	0.00	0.00	0.00	0.28	1.06
138	BB	1	6.40	1.618	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.858	0.26	0.00	0.00	0.00	0.28	1.06
139	BB	1	6.30	1.619	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.859	0.26	0.00	0.00	0.00	0.28	1.06
140	BB	1	6.20	1.619	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.860	0.26	0.00	0.00	0.00	0.28	1.06
141	BB	1	6.10	1.619	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.862	0.26	0.00	0.00	0.00	0.28	1.06
142	BB	1	6.00	1.619	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.863	0.26	0.00	0.00	0.00	0.28	1.06
143	BB	1	5.90	1.620	31.9	0.0	6.9	6.2	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.865	0.26	0.00	0.00	0.00	0.28	1.06
144	BB	1	5.80	1.620	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.866	0.26	0.00	0.00	0.00	0.28	1.06

EXPANDED CAPSULE SUMMARY FOR BayouBlue#1

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
145	BB	1	5.70	1.620	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.867	0.26	0.00	0.00	0.00	0.28	1.06
146	BB	1	5.60	1.621	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.869	0.26	0.00	0.00	0.00	0.28	1.06
147	BB	1	5.50	1.621	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.870	0.26	0.00	0.00	0.00	0.28	1.06
148	BB	1	5.40	1.621	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.872	0.26	0.00	0.00	0.00	0.28	1.06
149	BB	1	5.30	1.622	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.873	0.26	0.00	0.00	0.00	0.28	1.06
150	BB	1	5.20	1.622	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.874	0.26	0.00	0.00	0.00	0.28	1.06
151	BB	1	5.10	1.622	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.324	0.324	7.3	7.876	0.26	0.00	0.00	0.00	0.28	1.06
152	BB	1	5.00	1.623	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.877	0.26	0.00	0.00	0.00	0.28	1.06
153	BB	1	4.90	1.623	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.878	0.26	0.00	0.00	0.00	0.28	1.06
154	BB	1	4.80	1.623	31.9	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.880	0.26	0.00	0.00	0.00	0.28	1.06
155	BB	1	4.70	1.623	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.881	0.26	0.00	0.00	0.00	0.28	1.06
156	BB	1	4.60	1.624	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.883	0.26	0.00	0.00	0.00	0.28	1.06
157	BB	1	4.50	1.624	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.884	0.26	0.00	0.00	0.00	0.28	1.06
158	BB	1	4.40	1.624	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.885	0.26	0.00	0.00	0.00	0.28	1.06
159	BB	1	4.30	1.625	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.887	0.26	0.00	0.00	0.00	0.28	1.06
160	BB	1	4.20	1.625	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.888	0.26	0.00	0.00	0.00	0.28	1.06
161	BB	1	4.10	1.625	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.889	0.26	0.00	0.00	0.00	0.28	1.06
162	BB	1	4.00	1.626	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.891	0.26	0.00	0.00	0.00	0.28	1.06
163	BB	1	3.90	1.626	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.892	0.26	0.00	0.00	0.00	0.28	1.06
164	BB	1	3.80	1.626	32.0	0.0	6.9	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.894	0.26	0.00	0.00	0.00	0.28	1.06
165	BB	1	3.70	1.626	32.0	0.0	6.8	6.3	0.0	1.1	0.1	20.0	0.5	0.50	10.0	0.325	0.325	7.3	7.895	0.26	0.00	0.00	0.00	0.28	1.06

TRIBUTARY # 166 (ICWWtoBlue) ENTERS HERE

180	BB	3	3.60	3.042	32.0	0.0	5.9	5.7	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.302	0.26	0.00	0.00	0.00	0.27	1.06
181	BB	3	3.50	3.042	32.0	0.0	5.9	5.8	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.301	0.26	0.00	0.00	0.00	0.27	1.06
182	BB	3	3.40	3.042	32.0	0.0	5.9	5.8	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.301	0.26	0.00	0.00	0.00	0.27	1.06
183	BB	3	3.30	3.042	31.9	0.0	5.9	5.9	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.301	0.26	0.00	0.00	0.00	0.27	1.06
184	BB	3	3.20	3.042	31.9	0.0	5.9	5.9	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.300	0.26	0.00	0.00	0.00	0.27	1.06
185	BB	3	3.10	3.042	31.9	0.0	5.9	5.9	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.300	0.26	0.00	0.00	0.00	0.27	1.06

186	BB	3	3.00	3.042	31.9	0.0	5.9	6.0	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.300	0.26	0.00	0.00	0.00	0.27	1.06
187	BB	3	2.90	3.042	31.9	0.0	5.9	6.0	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.299	0.26	0.00	0.00	0.00	0.27	1.06
188	BB	3	2.80	3.042	31.9	0.0	5.9	6.0	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.299	0.26	0.00	0.00	0.00	0.27	1.05
189	BB	3	2.70	3.042	31.8	0.0	5.9	6.1	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.299	0.26	0.00	0.00	0.00	0.27	1.05
190	BB	3	2.60	3.042	31.8	0.0	5.9	6.1	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.298	0.26	0.00	0.00	0.00	0.27	1.05
191	BB	3	2.50	3.042	31.8	0.0	5.9	6.2	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.298	0.26	0.00	0.00	0.00	0.27	1.05
192	BB	3	2.40	3.042	31.8	0.0	5.9	6.2	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.298	0.26	0.00	0.00	0.00	0.27	1.05
193	BB	3	2.30	3.042	31.8	0.0	5.9	6.2	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.297	0.26	0.00	0.00	0.00	0.27	1.05
194	BB	3	2.20	3.042	31.8	0.0	5.9	6.3	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.297	0.26	0.00	0.00	0.00	0.27	1.05
195	BB	3	2.10	3.042	31.7	0.0	5.9	6.3	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.296	0.26	0.00	0.00	0.00	0.27	1.05
196	BB	3	2.00	3.042	31.7	0.0	5.9	6.3	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.296	0.26	0.00	0.00	0.00	0.27	1.05
197	BB	3	1.90	3.042	31.7	0.0	5.9	6.4	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.296	0.26	0.00	0.00	0.00	0.27	1.05
198	BB	3	1.80	3.042	31.7	0.0	5.9	6.4	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.295	0.26	0.00	0.00	0.00	0.27	1.04
199	BB	3	1.70	3.042	31.7	0.0	5.9	6.4	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.295	0.26	0.00	0.00	0.00	0.27	1.04
200	BB	3	1.60	3.042	31.7	0.0	5.9	6.5	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.295	0.26	0.00	0.00	0.00	0.27	1.04
201	BB	3	1.50	3.042	31.6	0.0	5.9	6.5	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.3	1.294	0.26	0.00	0.00	0.00	0.27	1.04
202	BB	3	1.40	3.042	31.6	0.0	5.8	6.5	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.294	0.26	0.00	0.00	0.00	0.27	1.04
203	BB	3	1.30	3.042	31.6	0.0	5.8	6.6	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.294	0.26	0.00	0.00	0.00	0.27	1.04
204	BB	3	1.20	3.042	31.6	0.0	5.8	6.6	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.293	0.26	0.00	0.00	0.00	0.27	1.04
205	BB	3	1.10	3.042	31.6	0.0	5.8	6.6	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.293	0.26	0.00	0.00	0.00	0.27	1.04
206	BB	3	1.00	3.042	31.6	0.0	5.8	6.7	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.293	0.26	0.00	0.00	0.00	0.27	1.04
207	BB	3	0.90	3.042	31.5	0.0	5.8	6.7	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.292	0.25	0.00	0.00	0.00	0.27	1.03
208	BB	3	0.80	3.042	31.5	0.0	5.8	6.7	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.292	0.25	0.00	0.00	0.00	0.27	1.03
209	BB	3	0.70	3.042	31.5	0.0	5.8	6.8	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.292	0.25	0.00	0.00	0.00	0.27	1.03
210	BB	3	0.60	3.042	31.5	0.0	5.8	6.8	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.291	0.25	0.00	0.00	0.00	0.27	1.03
211	BB	3	0.50	3.042	31.5	0.0	5.8	6.8	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.291	0.25	0.00	0.00	0.00	0.27	1.03
212	BB	3	0.40	3.042	31.5	0.0	5.8	6.9	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.290	0.25	0.00	0.00	0.00	0.27	1.03
213	BB	3	0.30	3.042	31.4	0.0	5.8	6.9	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.290	0.25	0.00	0.00	0.00	0.27	1.03
214	BB	3	0.20	3.042	31.4	0.0	5.8	6.9	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.290	0.25	0.00	0.00	0.00	0.27	1.03
215	BB	3	0.10	3.042	31.4	0.0	5.8	6.9	0.0	0.8	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.289	0.25	0.00	0.00	0.00	0.27	1.03
216	BB	3	0.00	3.042	31.4	0.0	5.7	6.5	0.0	0.7	0.1	20.0	0.5	0.90	65.5	0.052	0.052	7.4	1.289	0.25	0.00	0.00	0.00	0.26	1.03

EXPANDED CAPSULE SUMMARY FOR ICWWtoBlue

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	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
166	IC	2	1.30	1.416	32.0	0.0	4.6	3.9	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
167	IC	2	1.20	1.416	32.0	0.0	4.6	4.0	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
168	IC	2	1.10	1.416	32.0	0.0	4.6	4.1	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
169	IC	2	1.00	1.416	32.0	0.0	4.6	4.2	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
170	IC	2	0.90	1.416	32.0	0.0	4.6	4.3	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
171	IC	2	0.80	1.416	32.0	0.0	4.7	4.4	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
172	IC	2	0.70	1.416	32.0	0.0	4.7	4.4	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
173	IC	2	0.60	1.416	32.0	0.0	4.7	4.5	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
174	IC	2	0.50	1.416	32.0	0.0	4.7	4.6	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
175	IC	2	0.40	1.416	32.0	0.0	4.7	4.7	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
176	IC	2	0.30	1.416	32.0	0.0	4.7	4.8	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
177	IC	2	0.20	1.416	32.0	0.0	4.7	4.8	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
178	IC	2	0.10	1.416	32.0	0.0	4.8	4.9	0.0	0.5	0.0	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.26	1.49
179	IC	2	0.00	1.416	32.0	0.0	5.0	5.2	0.0	0.6	0.1	20.0	0.5	1.40	44.0	0.023	0.023	7.3	0.622	0.26	0.00	0.00	0.00	0.27	1.49

SPECIAL REPORT: BayouBlue#1

WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING km	TEMP deg C	TEMP ppt	SALN *	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
1	20.100	31.20	0.0	0.0	0.0	3.59	5.55	0.00	5.55	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
2	20.000	31.21	0.0	0.0	0.0	3.69	5.55	0.00	5.55	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
3	19.900	31.21	0.0	0.0	0.0	3.77	5.56	0.00	5.56	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
4	19.800	31.22	0.0	0.0	0.0	3.86	5.56	0.00	5.56	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
5	19.700	31.22	0.0	0.0	0.0	3.94	5.57	0.00	5.57	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
6	19.600	31.23	0.0	0.0	0.0	4.03	5.57	0.00	5.57	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
7	19.500	31.23	0.0	0.0	0.0	4.11	5.58	0.00	5.58	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
8	19.400	31.24	0.0	0.0	0.0	4.18	5.58	0.00	5.58	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
9	19.300	31.24	0.0	0.0	0.0	4.26	5.59	0.00	5.59	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
10	19.200	31.25	0.0	0.0	0.0	4.33	5.59	0.00	5.59	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
11	19.100	31.25	0.0	0.0	0.0	4.40	5.60	0.00	5.60	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
12	19.000	31.26	0.0	0.0	0.0	4.47	5.60	0.00	5.60	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
13	18.900	31.26	0.0	0.0	0.0	4.54	5.61	0.00	5.61	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
14	18.800	31.27	0.0	0.0	0.0	4.61	5.61	0.00	5.61	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
15	18.700	31.27	0.0	0.0	0.0	4.67	5.62	0.00	5.62	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
16	18.600	31.28	0.0	0.0	0.0	4.73	5.62	0.00	5.62	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
17	18.500	31.28	0.0	0.0	0.0	4.79	5.63	0.00	5.63	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
18	18.400	31.29	0.0	0.0	0.0	4.85	5.63	0.00	5.63	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
19	18.300	31.29	0.0	0.0	0.0	4.91	5.64	0.00	5.64	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
20	18.200	31.30	0.0	0.0	0.0	4.97	5.64	0.00	5.64	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
21	18.100	31.30	0.0	0.0	0.0	5.02	5.65	0.00	5.65	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
22	18.000	31.31	0.0	0.0	0.0	5.07	5.65	0.00	5.65	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
23	17.900	31.31	0.0	0.0	0.0	5.12	5.66	0.00	5.66	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
24	17.800	31.32	0.0	0.0	0.0	5.18	5.66	0.00	5.66	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
25	17.700	31.32	0.0	0.0	0.0	5.22	5.67	0.00	5.67	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
26	17.600	31.33	0.0	0.0	0.0	5.27	5.67	0.00	5.67	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
27	17.500	31.33	0.0	0.0	0.0	5.32	5.67	0.00	5.67	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
28	17.400	31.34	0.0	0.0	0.0	5.36	5.68	0.00	5.68	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
29	17.300	31.34	0.0	0.0	0.0	5.41	5.68	0.00	5.68	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
30	17.200	31.35	0.0	0.0	0.0	5.45	5.69	0.00	5.69	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
31	17.100	31.35	0.0	0.0	0.0	5.49	5.69	0.00	5.69	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
32	17.000	31.36	0.0	0.0	0.0	5.53	5.70	0.00	5.70	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
33	16.900	31.36	0.0	0.0	0.0	5.57	5.70	0.00	5.70	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
34	16.800	31.36	0.0	0.0	0.0	5.61	5.71	0.00	5.71	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
35	16.700	31.37	0.0	0.0	0.0	5.65	5.71	0.00	5.71	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
36	16.600	31.37	0.0	0.0	0.0	5.68	5.72	0.00	5.72	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
37	16.500	31.38	0.0	0.0	0.0	5.72	5.72	0.00	5.72	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
38	16.400	31.38	0.0	0.0	0.0	5.75	5.73	0.00	5.73	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
39	16.300	31.39	0.0	0.0	0.0	5.78	5.73	0.00	5.73	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
40	16.200	31.39	0.0	0.0	0.0	5.82	5.74	0.00	5.74	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
41	16.100	31.40	0.0	0.0	0.0	5.85	5.74	0.00	5.74	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
42	16.000	31.40	0.0	0.0	0.0	5.88	5.75	0.00	5.75	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
43	15.900	31.41	0.0	0.0	0.0	5.91	5.75	0.00	5.75	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
44	15.800	31.41	0.0	0.0	0.0	5.94	5.76	0.00	5.76	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
45	15.700	31.42	0.0	0.0	0.0	5.97	5.76	0.00	5.76	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
46	15.600	31.42	0.0	0.0	0.0	5.99	5.77	0.00	5.77	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	
47	15.500	31.43	0.0	0.0	0.0	6.02	5.77	0.00	5.77	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00	

48	15.400	31.43	0.0	0.0	0.0	6.05	5.78	0.00	5.78	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
49	15.300	31.44	0.0	0.0	0.0	6.07	5.78	0.00	5.78	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
50	15.200	31.44	0.0	0.0	0.0	6.10	5.79	0.00	5.79	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
51	15.100	31.45	0.0	0.0	0.0	6.12	5.79	0.00	5.79	0.00	1.16	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
52	15.000	31.45	0.0	0.0	0.0	6.14	5.80	0.00	5.80	0.00	1.15	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
53	14.900	31.46	0.0	0.0	0.0	6.17	5.80	0.00	5.80	0.00	1.15	0.11	0.00	1.27	0.00	20.0	0.0	0.	0.00
54	14.800	31.46	0.0	0.0	0.0	6.19	5.80	0.00	5.80	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
55	14.700	31.47	0.0	0.0	0.0	6.21	5.81	0.00	5.81	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
56	14.600	31.47	0.0	0.0	0.0	6.23	5.81	0.00	5.81	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
57	14.500	31.48	0.0	0.0	0.0	6.25	5.82	0.00	5.82	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
58	14.400	31.48	0.0	0.0	0.0	6.27	5.82	0.00	5.82	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
59	14.300	31.49	0.0	0.0	0.0	6.29	5.83	0.00	5.83	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
60	14.200	31.49	0.0	0.0	0.0	6.31	5.83	0.00	5.83	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
61	14.100	31.50	0.0	0.0	0.0	6.33	5.84	0.00	5.84	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
62	14.000	31.50	0.0	0.0	0.0	6.35	5.84	0.00	5.84	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
63	13.900	31.51	0.0	0.0	0.0	6.36	5.85	0.00	5.85	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
64	13.800	31.51	0.0	0.0	0.0	6.38	5.85	0.00	5.85	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
65	13.700	31.52	0.0	0.0	0.0	6.40	5.86	0.00	5.86	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
66	13.600	31.52	0.0	0.0	0.0	6.41	5.86	0.00	5.86	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
67	13.500	31.52	0.0	0.0	0.0	6.43	5.87	0.00	5.87	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
68	13.400	31.53	0.0	0.0	0.0	6.44	5.87	0.00	5.87	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
69	13.300	31.53	0.0	0.0	0.0	6.46	5.88	0.00	5.88	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
70	13.200	31.54	0.0	0.0	0.0	6.47	5.88	0.00	5.88	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
71	13.100	31.54	0.0	0.0	0.0	6.49	5.89	0.00	5.89	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
72	13.000	31.55	0.0	0.0	0.0	6.50	5.89	0.00	5.89	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
73	12.900	31.55	0.0	0.0	0.0	6.51	5.90	0.00	5.90	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
74	12.800	31.56	0.0	0.0	0.0	6.52	5.90	0.00	5.90	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
75	12.700	31.56	0.0	0.0	0.0	6.54	5.91	0.00	5.91	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
76	12.600	31.57	0.0	0.0	0.0	6.55	5.91	0.00	5.91	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
77	12.500	31.57	0.0	0.0	0.0	6.56	5.92	0.00	5.92	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
78	12.400	31.58	0.0	0.0	0.0	6.57	5.92	0.00	5.92	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
79	12.300	31.58	0.0	0.0	0.0	6.58	5.93	0.00	5.93	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
80	12.200	31.59	0.0	0.0	0.0	6.59	5.93	0.00	5.93	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
81	12.100	31.59	0.0	0.0	0.0	6.60	5.94	0.00	5.94	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
82	12.000	31.60	0.0	0.0	0.0	6.61	5.94	0.00	5.94	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
83	11.900	31.60	0.0	0.0	0.0	6.62	5.95	0.00	5.95	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
84	11.800	31.61	0.0	0.0	0.0	6.63	5.95	0.00	5.95	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
85	11.700	31.61	0.0	0.0	0.0	6.64	5.96	0.00	5.96	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
86	11.600	31.62	0.0	0.0	0.0	6.65	5.96	0.00	5.96	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
87	11.500	31.62	0.0	0.0	0.0	6.66	5.97	0.00	5.97	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
88	11.400	31.63	0.0	0.0	0.0	6.67	5.97	0.00	5.97	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
89	11.300	31.63	0.0	0.0	0.0	6.68	5.98	0.00	5.98	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
90	11.200	31.64	0.0	0.0	0.0	6.68	5.98	0.00	5.98	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
91	11.100	31.64	0.0	0.0	0.0	6.69	5.99	0.00	5.99	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
92	11.000	31.65	0.0	0.0	0.0	6.70	5.99	0.00	5.99	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
93	10.900	31.65	0.0	0.0	0.0	6.71	6.00	0.00	6.00	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
94	10.800	31.66	0.0	0.0	0.0	6.71	6.00	0.00	6.00	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
95	10.700	31.66	0.0	0.0	0.0	6.72	6.01	0.00	6.01	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
96	10.600	31.67	0.0	0.0	0.0	6.73	6.01	0.00	6.01	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
97	10.500	31.67	0.0	0.0	0.0	6.73	6.02	0.00	6.02	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00

98	10.400	31.68	0.0	0.0	0.0	6.74	6.02	0.00	6.02	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
99	10.300	31.68	0.0	0.0	0.0	6.74	6.03	0.00	6.03	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
100	10.200	31.68	0.0	0.0	0.0	6.75	6.03	0.00	6.03	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
101	10.100	31.69	0.0	0.0	0.0	6.76	6.03	0.00	6.03	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
102	10.000	31.69	0.0	0.0	0.0	6.76	6.04	0.00	6.04	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
103	9.900	31.70	0.0	0.0	0.0	6.77	6.04	0.00	6.04	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
104	9.800	31.70	0.0	0.0	0.0	6.77	6.05	0.00	6.05	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
105	9.700	31.71	0.0	0.0	0.0	6.78	6.05	0.00	6.05	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
106	9.600	31.71	0.0	0.0	0.0	6.78	6.06	0.00	6.06	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
107	9.500	31.72	0.0	0.0	0.0	6.78	6.06	0.00	6.06	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
108	9.400	31.72	0.0	0.0	0.0	6.79	6.07	0.00	6.07	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
109	9.300	31.73	0.0	0.0	0.0	6.79	6.07	0.00	6.07	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
110	9.200	31.73	0.0	0.0	0.0	6.80	6.08	0.00	6.08	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
111	9.100	31.74	0.0	0.0	0.0	6.80	6.08	0.00	6.08	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
112	9.000	31.74	0.0	0.0	0.0	6.81	6.09	0.00	6.09	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
113	8.900	31.75	0.0	0.0	0.0	6.81	6.09	0.00	6.09	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
114	8.800	31.75	0.0	0.0	0.0	6.81	6.10	0.00	6.10	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
115	8.700	31.76	0.0	0.0	0.0	6.82	6.10	0.00	6.10	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
116	8.600	31.76	0.0	0.0	0.0	6.82	6.11	0.00	6.11	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
117	8.500	31.77	0.0	0.0	0.0	6.82	6.11	0.00	6.11	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
118	8.400	31.77	0.0	0.0	0.0	6.83	6.12	0.00	6.12	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
119	8.300	31.78	0.0	0.0	0.0	6.83	6.14	0.00	6.14	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
120	8.200	31.78	0.0	0.0	0.0	6.83	6.14	0.00	6.14	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
121	8.100	31.79	0.0	0.0	0.0	6.83	6.15	0.00	6.15	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
122	8.000	31.79	0.0	0.0	0.0	6.84	6.15	0.00	6.15	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
123	7.900	31.80	0.0	0.0	0.0	6.84	6.16	0.00	6.16	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
124	7.800	31.80	0.0	0.0	0.0	6.84	6.16	0.00	6.16	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
125	7.700	31.81	0.0	0.0	0.0	6.85	6.17	0.00	6.17	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
126	7.600	31.81	0.0	0.0	0.0	6.85	6.17	0.00	6.17	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
127	7.500	31.82	0.0	0.0	0.0	6.85	6.18	0.00	6.18	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
128	7.400	31.82	0.0	0.0	0.0	6.85	6.18	0.00	6.18	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
129	7.300	31.83	0.0	0.0	0.0	6.85	6.18	0.00	6.18	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
130	7.200	31.83	0.0	0.0	0.0	6.86	6.19	0.00	6.19	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
131	7.100	31.84	0.0	0.0	0.0	6.86	6.19	0.00	6.19	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
132	7.000	31.84	0.0	0.0	0.0	6.86	6.20	0.00	6.20	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
133	6.900	31.84	0.0	0.0	0.0	6.86	6.20	0.00	6.20	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
134	6.800	31.85	0.0	0.0	0.0	6.86	6.21	0.00	6.21	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
135	6.700	31.85	0.0	0.0	0.0	6.86	6.21	0.00	6.21	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
136	6.600	31.86	0.0	0.0	0.0	6.87	6.22	0.00	6.22	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
137	6.500	31.86	0.0	0.0	0.0	6.87	6.22	0.00	6.22	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
138	6.400	31.87	0.0	0.0	0.0	6.87	6.23	0.00	6.23	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
139	6.300	31.87	0.0	0.0	0.0	6.87	6.23	0.00	6.23	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
140	6.200	31.88	0.0	0.0	0.0	6.87	6.23	0.00	6.23	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
141	6.100	31.88	0.0	0.0	0.0	6.87	6.24	0.00	6.24	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
142	6.000	31.89	0.0	0.0	0.0	6.87	6.24	0.00	6.24	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
143	5.900	31.89	0.0	0.0	0.0	6.88	6.25	0.00	6.25	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
144	5.800	31.90	0.0	0.0	0.0	6.88	6.25	0.00	6.25	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
145	5.700	31.90	0.0	0.0	0.0	6.88	6.26	0.00	6.26	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
146	5.600	31.91	0.0	0.0	0.0	6.88	6.26	0.00	6.26	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
147	5.500	31.91	0.0	0.0	0.0	6.88	6.27	0.00	6.27	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00

148	5.400	31.92	0.0	0.0	0.0	6.88	6.27	0.00	6.27	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
149	5.300	31.92	0.0	0.0	0.0	6.88	6.27	0.00	6.27	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
150	5.200	31.93	0.0	0.0	0.0	6.88	6.28	0.00	6.28	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
151	5.100	31.93	0.0	0.0	0.0	6.88	6.28	0.00	6.28	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
152	5.000	31.94	0.0	0.0	0.0	6.88	6.29	0.00	6.29	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
153	4.900	31.94	0.0	0.0	0.0	6.88	6.29	0.00	6.29	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
154	4.800	31.95	0.0	0.0	0.0	6.89	6.30	0.00	6.30	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
155	4.700	31.95	0.0	0.0	0.0	6.89	6.30	0.00	6.30	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
156	4.600	31.96	0.0	0.0	0.0	6.89	6.31	0.00	6.31	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
157	4.500	31.96	0.0	0.0	0.0	6.89	6.31	0.00	6.31	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
158	4.400	31.97	0.0	0.0	0.0	6.89	6.31	0.00	6.31	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
159	4.300	31.97	0.0	0.0	0.0	6.89	6.32	0.00	6.32	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
160	4.200	31.98	0.0	0.0	0.0	6.89	6.32	0.00	6.32	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
161	4.100	31.98	0.0	0.0	0.0	6.89	6.33	0.00	6.33	0.00	1.15	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
162	4.000	31.99	0.0	0.0	0.0	6.89	6.33	0.00	6.33	0.00	1.14	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
163	3.900	31.99	0.0	0.0	0.0	6.89	6.34	0.00	6.34	0.00	1.14	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
164	3.800	32.00	0.0	0.0	0.0	6.89	6.34	0.00	6.34	0.00	1.14	0.11	0.00	1.26	0.00	20.0	0.0	0.	0.00
165	3.700	32.00	0.0	0.0	0.0	6.80	6.29	0.00	6.29	0.00	1.12	0.11	0.00	1.23	0.00	20.0	0.0	0.	0.00
180	3.600	31.98	0.0	0.0	0.0	5.88	5.75	0.00	5.75	0.00	0.84	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
181	3.500	31.97	0.0	0.0	0.0	5.88	5.78	0.00	5.78	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
182	3.400	31.95	0.0	0.0	0.0	5.88	5.82	0.00	5.82	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
183	3.300	31.94	0.0	0.0	0.0	5.88	5.86	0.00	5.86	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
184	3.200	31.92	0.0	0.0	0.0	5.87	5.90	0.00	5.90	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
185	3.100	31.90	0.0	0.0	0.0	5.87	5.94	0.00	5.94	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
186	3.000	31.89	0.0	0.0	0.0	5.87	5.97	0.00	5.97	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
187	2.900	31.87	0.0	0.0	0.0	5.87	6.01	0.00	6.01	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
188	2.800	31.85	0.0	0.0	0.0	5.87	6.05	0.00	6.05	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
189	2.700	31.84	0.0	0.0	0.0	5.87	6.08	0.00	6.08	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
190	2.600	31.82	0.0	0.0	0.0	5.87	6.12	0.00	6.12	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
191	2.500	31.81	0.0	0.0	0.0	5.87	6.16	0.00	6.16	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
192	2.400	31.79	0.0	0.0	0.0	5.87	6.19	0.00	6.19	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
193	2.300	31.77	0.0	0.0	0.0	5.86	6.23	0.00	6.23	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
194	2.200	31.76	0.0	0.0	0.0	5.86	6.26	0.00	6.26	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
195	2.100	31.74	0.0	0.0	0.0	5.86	6.30	0.00	6.30	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
196	2.000	31.72	0.0	0.0	0.0	5.86	6.34	0.00	6.34	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
197	1.900	31.71	0.0	0.0	0.0	5.86	6.37	0.00	6.37	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
198	1.800	31.69	0.0	0.0	0.0	5.86	6.41	0.00	6.41	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
199	1.700	31.68	0.0	0.0	0.0	5.85	6.44	0.00	6.44	0.00	0.83	0.08	0.00	0.91	0.00	20.0	0.0	0.	0.00
200	1.600	31.66	0.0	0.0	0.0	5.85	6.48	0.00	6.48	0.00	0.83	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
201	1.500	31.64	0.0	0.0	0.0	5.85	6.51	0.00	6.51	0.00	0.83	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
202	1.400	31.63	0.0	0.0	0.0	5.85	6.54	0.00	6.54	0.00	0.83	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
203	1.300	31.61	0.0	0.0	0.0	5.85	6.58	0.00	6.58	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
204	1.200	31.59	0.0	0.0	0.0	5.84	6.61	0.00	6.61	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
205	1.100	31.58	0.0	0.0	0.0	5.84	6.65	0.00	6.65	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
206	1.000	31.56	0.0	0.0	0.0	5.84	6.68	0.00	6.68	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
207	0.900	31.55	0.0	0.0	0.0	5.84	6.71	0.00	6.71	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
208	0.800	31.53	0.0	0.0	0.0	5.84	6.75	0.00	6.75	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
209	0.700	31.51	0.0	0.0	0.0	5.83	6.78	0.00	6.78	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
210	0.600	31.50	0.0	0.0	0.0	5.83	6.81	0.00	6.81	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
211	0.500	31.48	0.0	0.0	0.0	5.83	6.85	0.00	6.85	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00

212	0.400	31.46	0.0	0.0	0.0	5.83	6.88	0.00	6.88	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
213	0.300	31.45	0.0	0.0	0.0	5.82	6.91	0.00	6.91	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
214	0.200	31.43	0.0	0.0	0.0	5.82	6.94	0.00	6.94	0.00	0.82	0.08	0.00	0.90	0.00	20.0	0.0	0.	0.00
215	0.100	31.42	0.0	0.0	0.0	5.81	6.93	0.00	6.93	0.00	0.81	0.08	0.00	0.89	0.00	20.0	0.0	0.	0.00
216	0.000	31.40	0.0	0.0	0.0	5.67	6.53	0.00	6.53	0.00	0.69	0.08	0.00	0.77	0.00	20.0	0.0	0.	0.00

SPECIAL REPORT: ICWWtoBlue

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 *
166	1.300	32.00	0.0	0.0	0.0	4.56	3.94	0.00	3.94	0.00	0.49	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
167	1.200	32.00	0.0	0.0	0.0	4.58	4.02	0.00	4.02	0.00	0.49	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
168	1.100	32.00	0.0	0.0	0.0	4.60	4.11	0.00	4.11	0.00	0.49	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
169	1.000	32.00	0.0	0.0	0.0	4.62	4.20	0.00	4.20	0.00	0.49	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
170	0.900	32.00	0.0	0.0	0.0	4.64	4.28	0.00	4.28	0.00	0.49	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
171	0.800	32.00	0.0	0.0	0.0	4.65	4.36	0.00	4.36	0.00	0.49	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
172	0.700	32.00	0.0	0.0	0.0	4.66	4.44	0.00	4.44	0.00	0.49	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
173	0.600	32.00	0.0	0.0	0.0	4.68	4.52	0.00	4.52	0.00	0.48	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
174	0.500	32.00	0.0	0.0	0.0	4.69	4.60	0.00	4.60	0.00	0.48	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
175	0.400	32.00	0.0	0.0	0.0	4.70	4.68	0.00	4.68	0.00	0.48	0.04	0.00	0.52	0.00	20.0	0.0	0.	0.00
176	0.300	32.00	0.0	0.0	0.0	4.71	4.76	0.00	4.76	0.00	0.48	0.04	0.00	0.52	0.00	20.0	0.0	0.	0.00
177	0.200	32.00	0.0	0.0	0.0	4.72	4.84	0.00	4.84	0.00	0.49	0.04	0.00	0.53	0.00	20.0	0.0	0.	0.00
178	0.100	32.00	0.0	0.0	0.0	4.76	4.94	0.00	4.94	0.00	0.50	0.04	0.00	0.54	0.00	20.0	0.0	0.	0.00
179	0.000	32.00	0.0	0.0	0.0	4.99	5.15	0.00	5.15	0.00	0.57	0.05	0.00	0.62	0.00	20.0	0.0	0.	0.00

SPECIAL REPORT: BayouBlue#1

BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	DIST km	SAT D.O. mg/L	REAER RATE 1/da	DECAY 1/da	SETT 1/da	BOD#1 DECAY 1/da	BOD#1 DECAY 1/da	ABOD#1 DECAY 1/da	BOD#1 SETT 1/da	BOD#2 DECAY *	ABOD#2 SETT *	FULL SOD 1/da	CORR SOD 1/da	ORG-N DECAY 1/da	ORG-N SETT 1/da	DECAY *	SRCE **	NH3 RATE **	NH3 SRCE 1/da	DENIT PROD 1/da	PO4 PROD 1/da	ALG DECAY 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM
1	20.100	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.23	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
2	20.000	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.23	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
3	19.900	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.23	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
4	19.800	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
5	19.700	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
6	19.600	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
7	19.500	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
8	19.400	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
9	19.300	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
10	19.200	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
11	19.100	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
12	19.000	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
13	18.900	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
14	18.800	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
15	18.700	7.40	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
16	18.600	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
17	18.500	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
18	18.400	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
19	18.300	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
20	18.200	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
21	18.100	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				
22	18.000	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00				

23	17.900	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
24	17.800	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
25	17.700	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
26	17.600	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
27	17.500	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
28	17.400	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
29	17.300	7.39	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
30	17.200	7.39	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
31	17.100	7.39	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
32	17.000	7.39	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
33	16.900	7.38	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
34	16.800	7.38	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
35	16.700	7.38	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
36	16.600	7.38	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
37	16.500	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
38	16.400	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
39	16.300	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
40	16.200	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
41	16.100	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
42	16.000	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
43	15.900	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
44	15.800	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
45	15.700	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
46	15.600	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
47	15.500	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
48	15.400	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
49	15.300	7.37	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
50	15.200	7.37	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
51	15.100	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
52	15.000	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
53	14.900	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
54	14.800	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
55	14.700	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
56	14.600	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
57	14.500	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
58	14.400	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
59	14.300	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
60	14.200	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
61	14.100	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
62	14.000	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
63	13.900	7.37	7.75	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
64	13.800	7.37	7.75	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
65	13.700	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
66	13.600	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
67	13.500	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
68	13.400	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
69	13.300	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
70	13.200	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
71	13.100	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
72	13.000	7.36	7.77	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00

73	12.900	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
74	12.800	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
75	12.700	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
76	12.600	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
77	12.500	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
78	12.400	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
79	12.300	7.36	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
80	12.200	7.36	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
81	12.100	7.36	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
82	12.000	7.35	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
83	11.900	7.35	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
84	11.800	7.35	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
85	11.700	7.35	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
86	11.600	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
87	11.500	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
88	11.400	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
89	11.300	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
90	11.200	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
91	11.100	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
92	11.000	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
93	10.900	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
94	10.800	7.35	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
95	10.700	7.35	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
96	10.600	7.35	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
97	10.500	7.35	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
98	10.400	7.34	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
99	10.300	7.34	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
100	10.200	7.34	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
101	10.100	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
102	10.000	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
103	9.900	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
104	9.800	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
105	9.700	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
106	9.600	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
107	9.500	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
108	9.400	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
109	9.300	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
110	9.200	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
111	9.100	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
112	9.000	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
113	8.900	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
114	8.800	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
115	8.700	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
116	8.600	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
117	8.500	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
118	8.400	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
119	8.300	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
120	8.200	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
121	8.100	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
122	8.000	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00

123	7.900	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
124	7.800	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
125	7.700	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
126	7.600	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
127	7.500	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
128	7.400	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
129	7.300	7.33	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
130	7.200	7.33	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
131	7.100	7.33	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
132	7.000	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
133	6.900	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
134	6.800	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
135	6.700	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
136	6.600	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
137	6.500	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
138	6.400	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
139	6.300	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
140	6.200	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
141	6.100	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
142	6.000	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
143	5.900	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
144	5.800	7.32	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
145	5.700	7.32	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
146	5.600	7.32	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
147	5.500	7.32	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
148	5.400	7.31	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
149	5.300	7.31	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
150	5.200	7.31	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
151	5.100	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
152	5.000	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
153	4.900	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
154	4.800	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
155	4.700	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
156	4.600	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
157	4.500	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
158	4.400	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
159	4.300	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
160	4.200	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
161	4.100	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
162	4.000	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
163	3.900	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
164	3.800	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
165	3.700	7.30	7.90	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
180	3.600	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
181	3.500	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
182	3.400	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
183	3.300	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
184	3.200	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
185	3.100	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
186	3.000	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00

187	2.900	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
188	2.800	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
189	2.700	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
190	2.600	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
191	2.500	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
192	2.400	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
193	2.300	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
194	2.200	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
195	2.100	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
196	2.000	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
197	1.900	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
198	1.800	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
199	1.700	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
200	1.600	7.35	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
201	1.500	7.35	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
202	1.400	7.35	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
203	1.300	7.35	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
204	1.200	7.36	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
205	1.100	7.36	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
206	1.000	7.36	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
207	0.900	7.36	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
208	0.800	7.36	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
209	0.700	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
210	0.600	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
211	0.500	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
212	0.400	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
213	0.300	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
214	0.200	7.38	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
215	0.100	7.38	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
216	0.000	7.38	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00

SPECIAL REPORT: ICWWtoBlue

BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST km	SAT D.O. mg/L	REAER RATE 1/da	DECAY 1/da	SETT 1/da	BOD#1 DECAY 1/da	BOD#1 DECAY 1/da	ABOD#1 SETT 1/da	BOD#1 DECAY *	BOD#2 SETT *	ABOD#2 DECAY 1/da	SOD 1/da	FULL SOD 1/da	CORR DECAY *	ORG-N SETT 1/da	ORG-N DECAY *	NH3 SRCE **	NH3 RATE **	SRCE 1/da	DENIT 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
166	1.300	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
167	1.200	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
168	1.100	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
169	1.000	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
170	0.900	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
171	0.800	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
172	0.700	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
173	0.600	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
174	0.500	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
175	0.400	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
176	0.300	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
177	0.200	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
178	0.100	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				
179	0.000	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00				

FINAL REPORT BayouBlue#1 LA-QUAL baseline for Bayou Blue

REACH NO. 1 BayouBlue#1

********** 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
1	HDWTR	1.72700	31.30	0.00	0.00	0.00	3.50	5.54	0.00	5.54	0.00	1.16	0.11	0.00	0.00	20.00	0.00	0.00
EACH	INCR	0.00030	30.00	0.00	0.00	0.00	3.50	5.54	0.00			1.16	0.11	0.00	0.00	0.00	0.00	
63	WSTLD	-0.15091	31.51	0.00	0.00	0.00	6.36	5.85	0.00	5.85	0.00	1.15	0.11	0.00	0.00	20.00	0.00	0.00
119	WSTLD	0.00020	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	0.00	0.00	0.00	0.00	0.00
119	WSTLD	0.00017	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	20.20	20.10	1.72730	0.0	0.34546	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.345
2	20.10	20.00	1.72761	0.0	0.34552	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
3	20.00	19.90	1.72791	0.0	0.34558	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
4	19.90	19.80	1.72821	0.0	0.34564	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
5	19.80	19.70	1.72852	0.0	0.34570	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
6	19.70	19.60	1.72882	0.0	0.34576	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
7	19.60	19.50	1.72912	0.0	0.34582	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
8	19.50	19.40	1.72942	0.0	0.34588	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
9	19.40	19.30	1.72973	0.0	0.34595	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
10	19.30	19.20	1.73003	0.0	0.34601	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
11	19.20	19.10	1.73033	0.0	0.34607	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
12	19.10	19.00	1.73064	0.0	0.34613	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
13	19.00	18.90	1.73094	0.0	0.34619	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
14	18.90	18.80	1.73124	0.0	0.34625	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
15	18.80	18.70	1.73155	0.0	0.34631	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
16	18.70	18.60	1.73185	0.0	0.34637	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
17	18.60	18.50	1.73215	0.0	0.34643	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
18	18.50	18.40	1.73245	0.0	0.34649	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.346
19	18.40	18.30	1.73276	0.0	0.34655	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
20	18.30	18.20	1.73306	0.0	0.34661	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
21	18.20	18.10	1.73336	0.0	0.34667	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
22	18.10	18.00	1.73367	0.0	0.34673	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
23	18.00	17.90	1.73397	0.0	0.34679	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
24	17.90	17.80	1.73427	0.0	0.34685	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
25	17.80	17.70	1.73458	0.0	0.34692	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
26	17.70	17.60	1.73488	0.0	0.34698	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
27	17.60	17.50	1.73518	0.0	0.34704	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
28	17.50	17.40	1.73548	0.0	0.34710	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
29	17.40	17.30	1.73579	0.0	0.34716	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
30	17.30	17.20	1.73609	0.0	0.34722	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
31	17.20	17.10	1.73639	0.0	0.34728	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
32	17.10	17.00	1.73670	0.0	0.34734	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
33	17.00	16.90	1.73700	0.0	0.34740	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
34	16.90	16.80	1.73730	0.0	0.34746	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.347
35	16.80	16.70	1.73761	0.0	0.34752	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
36	16.70	16.60	1.73791	0.0	0.34758	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
37	16.60	16.50	1.73821	0.0	0.34764	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348

38	16.50	16.40	1.73852	0.0	0.34770	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
39	16.40	16.30	1.73882	0.0	0.34776	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
40	16.30	16.20	1.73912	0.0	0.34782	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
41	16.20	16.10	1.73942	0.0	0.34788	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
42	16.10	16.00	1.73973	0.0	0.34795	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
43	16.00	15.90	1.74003	0.0	0.34801	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
44	15.90	15.80	1.74033	0.0	0.34807	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
45	15.80	15.70	1.74064	0.0	0.34813	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
46	15.70	15.60	1.74094	0.0	0.34819	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
47	15.60	15.50	1.74124	0.0	0.34825	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
48	15.50	15.40	1.74155	0.0	0.34831	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
49	15.40	15.30	1.74185	0.0	0.34837	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
50	15.30	15.20	1.74215	0.0	0.34843	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
51	15.20	15.10	1.74245	0.0	0.34849	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.348
52	15.10	15.00	1.74276	0.0	0.34855	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
53	15.00	14.90	1.74306	0.0	0.34861	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
54	14.90	14.80	1.74336	0.0	0.34867	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
55	14.80	14.70	1.74367	0.0	0.34873	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
56	14.70	14.60	1.74397	0.0	0.34879	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
57	14.60	14.50	1.74427	0.0	0.34885	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
58	14.50	14.40	1.74458	0.0	0.34892	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
59	14.40	14.30	1.74488	0.0	0.34898	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
60	14.30	14.20	1.74518	0.0	0.34904	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
61	14.20	14.10	1.74548	0.0	0.34910	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
62	14.10	14.00	1.74579	0.0	0.34916	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.349
63	14.00	13.90	1.59518	0.0	0.31904	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.319
64	13.90	13.80	1.59548	0.0	0.31910	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.319
65	13.80	13.70	1.59579	0.0	0.31916	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.319
66	13.70	13.60	1.59609	0.0	0.31922	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.319
67	13.60	13.50	1.59639	0.0	0.31928	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.319
68	13.50	13.40	1.59670	0.0	0.31934	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.319
69	13.40	13.30	1.59700	0.0	0.31940	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.319
70	13.30	13.20	1.59730	0.0	0.31946	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.319
71	13.20	13.10	1.59761	0.0	0.31952	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
72	13.10	13.00	1.59791	0.0	0.31958	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
73	13.00	12.90	1.59821	0.0	0.31964	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
74	12.90	12.80	1.59851	0.0	0.31970	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
75	12.80	12.70	1.59882	0.0	0.31976	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
76	12.70	12.60	1.59912	0.0	0.31982	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
77	12.60	12.50	1.59942	0.0	0.31988	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
78	12.50	12.40	1.59973	0.0	0.31995	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
79	12.40	12.30	1.60003	0.0	0.32001	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
80	12.30	12.20	1.60033	0.0	0.32007	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
81	12.20	12.10	1.60064	0.0	0.32013	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
82	12.10	12.00	1.60094	0.0	0.32019	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
83	12.00	11.90	1.60124	0.0	0.32025	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
84	11.90	11.80	1.60154	0.0	0.32031	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
85	11.80	11.70	1.60185	0.0	0.32037	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
86	11.70	11.60	1.60215	0.0	0.32043	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320
87	11.60	11.50	1.60245	0.0	0.32049	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.320

88	11.50	11.40	1.60276	0.0	0.32055	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
89	11.40	11.30	1.60306	0.0	0.32061	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
90	11.30	11.20	1.60336	0.0	0.32067	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
91	11.20	11.10	1.60367	0.0	0.32073	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
92	11.10	11.00	1.60397	0.0	0.32079	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
93	11.00	10.90	1.60427	0.0	0.32085	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
94	10.90	10.80	1.60457	0.0	0.32091	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
95	10.80	10.70	1.60488	0.0	0.32098	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
96	10.70	10.60	1.60518	0.0	0.32104	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
97	10.60	10.50	1.60548	0.0	0.32110	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
98	10.50	10.40	1.60579	0.0	0.32116	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
99	10.40	10.30	1.60609	0.0	0.32122	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
100	10.30	10.20	1.60639	0.0	0.32128	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
101	10.20	10.10	1.60670	0.0	0.32134	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
102	10.10	10.00	1.60700	0.0	0.32140	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
103	10.00	9.90	1.60730	0.0	0.32146	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.321
104	9.90	9.80	1.60761	0.0	0.32152	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
105	9.80	9.70	1.60791	0.0	0.32158	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
106	9.70	9.60	1.60821	0.0	0.32164	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
107	9.60	9.50	1.60851	0.0	0.32170	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
108	9.50	9.40	1.60882	0.0	0.32176	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
109	9.40	9.30	1.60912	0.0	0.32182	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
110	9.30	9.20	1.60942	0.0	0.32188	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
111	9.20	9.10	1.60973	0.0	0.32195	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
112	9.10	9.00	1.61003	0.0	0.32201	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
113	9.00	8.90	1.61033	0.0	0.32207	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
114	8.90	8.80	1.61064	0.0	0.32213	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
115	8.80	8.70	1.61094	0.0	0.32219	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
116	8.70	8.60	1.61124	0.0	0.32225	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
117	8.60	8.50	1.61154	0.0	0.32231	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
118	8.50	8.40	1.61185	0.0	0.32237	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.322
119	8.40	8.30	1.61252	0.0	0.32250	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
120	8.30	8.20	1.61282	0.0	0.32256	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
121	8.20	8.10	1.61313	0.0	0.32263	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
122	8.10	8.00	1.61343	0.0	0.32269	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
123	8.00	7.90	1.61373	0.0	0.32275	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
124	7.90	7.80	1.61404	0.0	0.32281	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
125	7.80	7.70	1.61434	0.0	0.32287	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
126	7.70	7.60	1.61464	0.0	0.32293	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
127	7.60	7.50	1.61494	0.0	0.32299	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
128	7.50	7.40	1.61525	0.0	0.32305	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
129	7.40	7.30	1.61555	0.0	0.32311	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
130	7.30	7.20	1.61585	0.0	0.32317	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
131	7.20	7.10	1.61616	0.0	0.32323	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
132	7.10	7.00	1.61646	0.0	0.32329	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
133	7.00	6.90	1.61676	0.0	0.32335	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
134	6.90	6.80	1.61707	0.0	0.32341	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
135	6.80	6.70	1.61737	0.0	0.32347	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.323
136	6.70	6.60	1.61767	0.0	0.32353	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
137	6.60	6.50	1.61798	0.0	0.32360	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324

138	6.50	6.40	1.61828	0.0	0.32366	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
139	6.40	6.30	1.61858	0.0	0.32372	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
140	6.30	6.20	1.61888	0.0	0.32378	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
141	6.20	6.10	1.61919	0.0	0.32384	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
142	6.10	6.00	1.61949	0.0	0.32390	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
143	6.00	5.90	1.61979	0.0	0.32396	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
144	5.90	5.80	1.62010	0.0	0.32402	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
145	5.80	5.70	1.62040	0.0	0.32408	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
146	5.70	5.60	1.62070	0.0	0.32414	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
147	5.60	5.50	1.62101	0.0	0.32420	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
148	5.50	5.40	1.62131	0.0	0.32426	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
149	5.40	5.30	1.62161	0.0	0.32432	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
150	5.30	5.20	1.62191	0.0	0.32438	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
151	5.20	5.10	1.62222	0.0	0.32444	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.324
152	5.10	5.00	1.62252	0.0	0.32450	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
153	5.00	4.90	1.62282	0.0	0.32456	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
154	4.90	4.80	1.62313	0.0	0.32463	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
155	4.80	4.70	1.62343	0.0	0.32469	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
156	4.70	4.60	1.62373	0.0	0.32475	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
157	4.60	4.50	1.62404	0.0	0.32481	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
158	4.50	4.40	1.62434	0.0	0.32487	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
159	4.40	4.30	1.62464	0.0	0.32493	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
160	4.30	4.20	1.62494	0.0	0.32499	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
161	4.20	4.10	1.62525	0.0	0.32505	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
162	4.10	4.00	1.62555	0.0	0.32511	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
163	4.00	3.90	1.62585	0.0	0.32517	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
164	3.90	3.80	1.62616	0.0	0.32523	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
165	3.80	3.70	1.62646	0.0	0.32529	0.00	0.50	10.00	500.00	1000.00	5.00	0.00	0.000	0.500	0.325
TOT					0.58			82500.00	165000.00						
AVG				0.3312		0.50	10.00			5.00					
CUM					0.58										

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

ELEM NO.	ENDING DIST mg/L	SAT D.O.	REAER RATE 1/da	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
1	20.100	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.23	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
2	20.000	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.23	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
3	19.900	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.23	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
4	19.800	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
5	19.700	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
6	19.600	7.40	8.03	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
7	19.500	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
8	19.400	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
9	19.300	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
10	19.200	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
11	19.100	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.24	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
12	19.000	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
13	18.900	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
14	18.800	7.40	8.04	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.02	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
15	18.700	7.40	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	

16	18.600	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
17	18.500	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
18	18.400	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
19	18.300	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
20	18.200	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
21	18.100	7.39	8.05	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
22	18.000	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
23	17.900	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.25	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
24	17.800	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
25	17.700	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
26	17.600	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
27	17.500	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
28	17.400	7.39	8.06	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
29	17.300	7.39	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
30	17.200	7.39	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
31	17.100	7.39	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
32	17.000	7.39	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
33	16.900	7.38	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
34	16.800	7.38	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
35	16.700	7.38	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
36	16.600	7.38	8.07	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
37	16.500	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
38	16.400	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
39	16.300	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
40	16.200	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
41	16.100	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
42	16.000	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
43	15.900	7.38	8.08	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
44	15.800	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
45	15.700	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
46	15.600	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
47	15.500	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
48	15.400	7.38	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
49	15.300	7.37	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
50	15.200	7.37	8.09	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
51	15.100	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
52	15.000	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
53	14.900	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
54	14.800	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
55	14.700	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
56	14.600	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
57	14.500	7.37	8.10	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
58	14.400	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
59	14.300	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
60	14.200	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
61	14.100	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
62	14.000	7.37	8.11	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
63	13.900	7.37	7.75	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
64	13.800	7.37	7.75	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
65	13.700	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00

66	13.600	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
67	13.500	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
68	13.400	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
69	13.300	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
70	13.200	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
71	13.100	7.36	7.76	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
72	13.000	7.36	7.77	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
73	12.900	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
74	12.800	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
75	12.700	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
76	12.600	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
77	12.500	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
78	12.400	7.36	7.77	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
79	12.300	7.36	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
80	12.200	7.36	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
81	12.100	7.36	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
82	12.000	7.35	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
83	11.900	7.35	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
84	11.800	7.35	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
85	11.700	7.35	7.78	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
86	11.600	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
87	11.500	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
88	11.400	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
89	11.300	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
90	11.200	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
91	11.100	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
92	11.000	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
93	10.900	7.35	7.79	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
94	10.800	7.35	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
95	10.700	7.35	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
96	10.600	7.35	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
97	10.500	7.35	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
98	10.400	7.34	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
99	10.300	7.34	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
100	10.200	7.34	7.80	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
101	10.100	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
102	10.000	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
103	9.900	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
104	9.800	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
105	9.700	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
106	9.600	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
107	9.500	7.34	7.81	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
108	9.400	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
109	9.300	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
110	9.200	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
111	9.100	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
112	9.000	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
113	8.900	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
114	8.800	7.34	7.82	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
115	8.700	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00

116	8.600	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
117	8.500	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
118	8.400	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
119	8.300	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
120	8.200	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
121	8.100	7.33	7.83	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
122	8.000	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
123	7.900	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
124	7.800	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
125	7.700	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
126	7.600	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
127	7.500	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
128	7.400	7.33	7.84	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
129	7.300	7.33	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
130	7.200	7.33	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
131	7.100	7.33	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
132	7.000	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
133	6.900	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
134	6.800	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
135	6.700	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
136	6.600	7.32	7.85	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
137	6.500	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
138	6.400	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
139	6.300	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
140	6.200	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
141	6.100	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
142	6.000	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
143	5.900	7.32	7.86	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
144	5.800	7.32	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
145	5.700	7.32	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
146	5.600	7.32	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
147	5.500	7.32	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
148	5.400	7.31	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
149	5.300	7.31	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
150	5.200	7.31	7.87	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
151	5.100	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
152	5.000	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
153	4.900	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
154	4.800	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
155	4.700	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
156	4.600	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
157	4.500	7.31	7.88	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
158	4.400	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
159	4.300	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
160	4.200	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
161	4.100	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
162	4.000	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
163	3.900	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
164	3.800	7.31	7.89	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
165	3.700	7.30	7.90	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.28	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 6.40 0.15 0.00 0.00 0.00 0.00 0.00 0.50 0.02 0.00 0.13 0.00 0.00 0.00 0.00 0.00 0.00
* g/m²/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/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
1	20.100	31.20	0.00	0.00	0.00	3.59	5.55	0.00	5.55	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
2	20.000	31.21	0.00	0.00	0.00	3.69	5.55	0.00	5.55	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
3	19.900	31.21	0.00	0.00	0.00	3.77	5.56	0.00	5.56	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
4	19.800	31.22	0.00	0.00	0.00	3.86	5.56	0.00	5.56	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
5	19.700	31.22	0.00	0.00	0.00	3.94	5.57	0.00	5.57	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
6	19.600	31.23	0.00	0.00	0.00	4.03	5.57	0.00	5.57	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
7	19.500	31.23	0.00	0.00	0.00	4.11	5.58	0.00	5.58	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
8	19.400	31.24	0.00	0.00	0.00	4.18	5.58	0.00	5.58	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
9	19.300	31.24	0.00	0.00	0.00	4.26	5.59	0.00	5.59	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
10	19.200	31.25	0.00	0.00	0.00	4.33	5.59	0.00	5.59	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
11	19.100	31.25	0.00	0.00	0.00	4.40	5.60	0.00	5.60	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
12	19.000	31.26	0.00	0.00	0.00	4.47	5.60	0.00	5.60	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
13	18.900	31.26	0.00	0.00	0.00	4.54	5.61	0.00	5.61	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
14	18.800	31.27	0.00	0.00	0.00	4.61	5.61	0.00	5.61	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
15	18.700	31.27	0.00	0.00	0.00	4.67	5.62	0.00	5.62	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
16	18.600	31.28	0.00	0.00	0.00	4.73	5.62	0.00	5.62	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
17	18.500	31.28	0.00	0.00	0.00	4.79	5.63	0.00	5.63	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
18	18.400	31.29	0.00	0.00	0.00	4.85	5.63	0.00	5.63	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
19	18.300	31.29	0.00	0.00	0.00	4.91	5.64	0.00	5.64	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
20	18.200	31.30	0.00	0.00	0.00	4.97	5.64	0.00	5.64	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
21	18.100	31.30	0.00	0.00	0.00	5.02	5.65	0.00	5.65	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
22	18.000	31.31	0.00	0.00	0.00	5.07	5.65	0.00	5.65	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
23	17.900	31.31	0.00	0.00	0.00	5.12	5.66	0.00	5.66	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
24	17.800	31.32	0.00	0.00	0.00	5.18	5.66	0.00	5.66	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
25	17.700	31.32	0.00	0.00	0.00	5.22	5.67	0.00	5.67	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
26	17.600	31.33	0.00	0.00	0.00	5.27	5.67	0.00	5.67	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
27	17.500	31.33	0.00	0.00	0.00	5.32	5.67	0.00	5.67	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
28	17.400	31.34	0.00	0.00	0.00	5.36	5.68	0.00	5.68	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
29	17.300	31.34	0.00	0.00	0.00	5.41	5.68	0.00	5.68	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
30	17.200	31.35	0.00	0.00	0.00	5.45	5.69	0.00	5.69	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
31	17.100	31.35	0.00	0.00	0.00	5.49	5.69	0.00	5.69	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
32	17.000	31.36	0.00	0.00	0.00	5.53	5.70	0.00	5.70	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
33	16.900	31.36	0.00	0.00	0.00	5.57	5.70	0.00	5.70	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
34	16.800	31.36	0.00	0.00	0.00	5.61	5.71	0.00	5.71	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
35	16.700	31.37	0.00	0.00	0.00	5.65	5.71	0.00	5.71	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
36	16.600	31.37	0.00	0.00	0.00	5.68	5.72	0.00	5.72	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
37	16.500	31.38	0.00	0.00	0.00	5.72	5.72	0.00	5.72	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
38	16.400	31.38	0.00	0.00	0.00	5.75	5.73	0.00	5.73	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
39	16.300	31.39	0.00	0.00	0.00	5.78	5.73	0.00	5.73	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
40	16.200	31.39	0.00	0.00	0.00	5.82	5.74	0.00	5.74	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
41	16.100	31.40	0.00	0.00	0.00	5.85	5.74	0.00	5.74	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
42	16.000	31.40	0.00	0.00	0.00	5.88	5.75	0.00	5.75	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
43	15.900	31.41	0.00	0.00	0.00	5.91	5.75	0.00	5.75	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
44	15.800	31.41	0.00	0.00	0.00	5.94	5.76	0.00	5.76	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
45	15.700	31.42	0.00	0.00	0.00	5.97	5.76	0.00	5.76	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00

46	15.600	31.42	0.00	0.00	0.00	5.99	5.77	0.00	5.77	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
47	15.500	31.43	0.00	0.00	0.00	6.02	5.77	0.00	5.77	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
48	15.400	31.43	0.00	0.00	0.00	6.05	5.78	0.00	5.78	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
49	15.300	31.44	0.00	0.00	0.00	6.07	5.78	0.00	5.78	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
50	15.200	31.44	0.00	0.00	0.00	6.10	5.79	0.00	5.79	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
51	15.100	31.45	0.00	0.00	0.00	6.12	5.79	0.00	5.79	0.00	1.16	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
52	15.000	31.45	0.00	0.00	0.00	6.14	5.80	0.00	5.80	0.00	1.15	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
53	14.900	31.46	0.00	0.00	0.00	6.17	5.80	0.00	5.80	0.00	1.15	0.11	0.00	1.27	0.00	20.00	0.00	0.	0.00
54	14.800	31.46	0.00	0.00	0.00	6.19	5.80	0.00	5.80	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
55	14.700	31.47	0.00	0.00	0.00	6.21	5.81	0.00	5.81	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
56	14.600	31.47	0.00	0.00	0.00	6.23	5.81	0.00	5.81	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
57	14.500	31.48	0.00	0.00	0.00	6.25	5.82	0.00	5.82	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
58	14.400	31.48	0.00	0.00	0.00	6.27	5.82	0.00	5.82	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
59	14.300	31.49	0.00	0.00	0.00	6.29	5.83	0.00	5.83	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
60	14.200	31.49	0.00	0.00	0.00	6.31	5.83	0.00	5.83	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
61	14.100	31.50	0.00	0.00	0.00	6.33	5.84	0.00	5.84	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
62	14.000	31.50	0.00	0.00	0.00	6.35	5.84	0.00	5.84	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
63	13.900	31.51	0.00	0.00	0.00	6.36	5.85	0.00	5.85	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
64	13.800	31.51	0.00	0.00	0.00	6.38	5.85	0.00	5.85	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
65	13.700	31.52	0.00	0.00	0.00	6.40	5.86	0.00	5.86	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
66	13.600	31.52	0.00	0.00	0.00	6.41	5.86	0.00	5.86	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
67	13.500	31.52	0.00	0.00	0.00	6.43	5.87	0.00	5.87	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
68	13.400	31.53	0.00	0.00	0.00	6.44	5.87	0.00	5.87	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
69	13.300	31.53	0.00	0.00	0.00	6.46	5.88	0.00	5.88	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
70	13.200	31.54	0.00	0.00	0.00	6.47	5.88	0.00	5.88	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
71	13.100	31.54	0.00	0.00	0.00	6.49	5.89	0.00	5.89	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
72	13.000	31.55	0.00	0.00	0.00	6.50	5.89	0.00	5.89	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
73	12.900	31.55	0.00	0.00	0.00	6.51	5.90	0.00	5.90	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
74	12.800	31.56	0.00	0.00	0.00	6.52	5.90	0.00	5.90	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
75	12.700	31.56	0.00	0.00	0.00	6.54	5.91	0.00	5.91	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
76	12.600	31.57	0.00	0.00	0.00	6.55	5.91	0.00	5.91	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
77	12.500	31.57	0.00	0.00	0.00	6.56	5.92	0.00	5.92	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
78	12.400	31.58	0.00	0.00	0.00	6.57	5.92	0.00	5.92	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
79	12.300	31.58	0.00	0.00	0.00	6.58	5.93	0.00	5.93	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
80	12.200	31.59	0.00	0.00	0.00	6.59	5.93	0.00	5.93	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
81	12.100	31.59	0.00	0.00	0.00	6.60	5.94	0.00	5.94	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
82	12.000	31.60	0.00	0.00	0.00	6.61	5.94	0.00	5.94	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
83	11.900	31.60	0.00	0.00	0.00	6.62	5.95	0.00	5.95	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
84	11.800	31.61	0.00	0.00	0.00	6.63	5.95	0.00	5.95	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
85	11.700	31.61	0.00	0.00	0.00	6.64	5.96	0.00	5.96	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
86	11.600	31.62	0.00	0.00	0.00	6.65	5.96	0.00	5.96	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
87	11.500	31.62	0.00	0.00	0.00	6.66	5.97	0.00	5.97	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
88	11.400	31.63	0.00	0.00	0.00	6.67	5.97	0.00	5.97	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
89	11.300	31.63	0.00	0.00	0.00	6.68	5.98	0.00	5.98	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
90	11.200	31.64	0.00	0.00	0.00	6.68	5.98	0.00	5.98	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
91	11.100	31.64	0.00	0.00	0.00	6.69	5.99	0.00	5.99	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
92	11.000	31.65	0.00	0.00	0.00	6.70	5.99	0.00	5.99	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
93	10.900	31.65	0.00	0.00	0.00	6.71	6.00	0.00	6.00	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
94	10.800	31.66	0.00	0.00	0.00	6.71	6.00	0.00	6.00	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
95	10.700	31.66	0.00	0.00	0.00	6.72	6.01	0.00	6.01	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00

96	10.600	31.67	0.00	0.00	0.00	6.73	6.01	0.00	6.01	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
97	10.500	31.67	0.00	0.00	0.00	6.73	6.02	0.00	6.02	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
98	10.400	31.68	0.00	0.00	0.00	6.74	6.02	0.00	6.02	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
99	10.300	31.68	0.00	0.00	0.00	6.74	6.03	0.00	6.03	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
100	10.200	31.68	0.00	0.00	0.00	6.75	6.03	0.00	6.03	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
101	10.100	31.69	0.00	0.00	0.00	6.76	6.03	0.00	6.03	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
102	10.000	31.69	0.00	0.00	0.00	6.76	6.04	0.00	6.04	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
103	9.900	31.70	0.00	0.00	0.00	6.77	6.04	0.00	6.04	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
104	9.800	31.70	0.00	0.00	0.00	6.77	6.05	0.00	6.05	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
105	9.700	31.71	0.00	0.00	0.00	6.78	6.05	0.00	6.05	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
106	9.600	31.71	0.00	0.00	0.00	6.78	6.06	0.00	6.06	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
107	9.500	31.72	0.00	0.00	0.00	6.78	6.06	0.00	6.06	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
108	9.400	31.72	0.00	0.00	0.00	6.79	6.07	0.00	6.07	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
109	9.300	31.73	0.00	0.00	0.00	6.79	6.07	0.00	6.07	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
110	9.200	31.73	0.00	0.00	0.00	6.80	6.08	0.00	6.08	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
111	9.100	31.74	0.00	0.00	0.00	6.80	6.08	0.00	6.08	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
112	9.000	31.74	0.00	0.00	0.00	6.81	6.09	0.00	6.09	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
113	8.900	31.75	0.00	0.00	0.00	6.81	6.09	0.00	6.09	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
114	8.800	31.75	0.00	0.00	0.00	6.81	6.10	0.00	6.10	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
115	8.700	31.76	0.00	0.00	0.00	6.82	6.10	0.00	6.10	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
116	8.600	31.76	0.00	0.00	0.00	6.82	6.11	0.00	6.11	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
117	8.500	31.77	0.00	0.00	0.00	6.82	6.11	0.00	6.11	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
118	8.400	31.77	0.00	0.00	0.00	6.83	6.12	0.00	6.12	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
119	8.300	31.78	0.00	0.00	0.00	6.83	6.14	0.00	6.14	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
120	8.200	31.78	0.00	0.00	0.00	6.83	6.14	0.00	6.14	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
121	8.100	31.79	0.00	0.00	0.00	6.83	6.15	0.00	6.15	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
122	8.000	31.79	0.00	0.00	0.00	6.84	6.15	0.00	6.15	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
123	7.900	31.80	0.00	0.00	0.00	6.84	6.16	0.00	6.16	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
124	7.800	31.80	0.00	0.00	0.00	6.84	6.16	0.00	6.16	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
125	7.700	31.81	0.00	0.00	0.00	6.85	6.17	0.00	6.17	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
126	7.600	31.81	0.00	0.00	0.00	6.85	6.17	0.00	6.17	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
127	7.500	31.82	0.00	0.00	0.00	6.85	6.18	0.00	6.18	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
128	7.400	31.82	0.00	0.00	0.00	6.85	6.18	0.00	6.18	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
129	7.300	31.83	0.00	0.00	0.00	6.85	6.18	0.00	6.18	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
130	7.200	31.83	0.00	0.00	0.00	6.86	6.19	0.00	6.19	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
131	7.100	31.84	0.00	0.00	0.00	6.86	6.19	0.00	6.19	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
132	7.000	31.84	0.00	0.00	0.00	6.86	6.20	0.00	6.20	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
133	6.900	31.84	0.00	0.00	0.00	6.86	6.20	0.00	6.20	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
134	6.800	31.85	0.00	0.00	0.00	6.86	6.21	0.00	6.21	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
135	6.700	31.85	0.00	0.00	0.00	6.86	6.21	0.00	6.21	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
136	6.600	31.86	0.00	0.00	0.00	6.87	6.22	0.00	6.22	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
137	6.500	31.86	0.00	0.00	0.00	6.87	6.22	0.00	6.22	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
138	6.400	31.87	0.00	0.00	0.00	6.87	6.23	0.00	6.23	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
139	6.300	31.87	0.00	0.00	0.00	6.87	6.23	0.00	6.23	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
140	6.200	31.88	0.00	0.00	0.00	6.87	6.23	0.00	6.23	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
141	6.100	31.88	0.00	0.00	0.00	6.87	6.24	0.00	6.24	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
142	6.000	31.89	0.00	0.00	0.00	6.87	6.24	0.00	6.24	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
143	5.900	31.89	0.00	0.00	0.00	6.88	6.25	0.00	6.25	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
144	5.800	31.90	0.00	0.00	0.00	6.88	6.25	0.00	6.25	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
145	5.700	31.90	0.00	0.00	0.00	6.88	6.26	0.00	6.26	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00

146	5.600	31.91	0.00	0.00	0.00	6.88	6.26	0.00	6.26	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
147	5.500	31.91	0.00	0.00	0.00	6.88	6.27	0.00	6.27	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
148	5.400	31.92	0.00	0.00	0.00	6.88	6.27	0.00	6.27	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
149	5.300	31.92	0.00	0.00	0.00	6.88	6.27	0.00	6.27	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
150	5.200	31.93	0.00	0.00	0.00	6.88	6.28	0.00	6.28	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
151	5.100	31.93	0.00	0.00	0.00	6.88	6.28	0.00	6.28	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
152	5.000	31.94	0.00	0.00	0.00	6.88	6.29	0.00	6.29	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
153	4.900	31.94	0.00	0.00	0.00	6.88	6.29	0.00	6.29	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
154	4.800	31.95	0.00	0.00	0.00	6.89	6.30	0.00	6.30	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
155	4.700	31.95	0.00	0.00	0.00	6.89	6.30	0.00	6.30	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
156	4.600	31.96	0.00	0.00	0.00	6.89	6.31	0.00	6.31	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
157	4.500	31.96	0.00	0.00	0.00	6.89	6.31	0.00	6.31	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
158	4.400	31.97	0.00	0.00	0.00	6.89	6.31	0.00	6.31	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
159	4.300	31.97	0.00	0.00	0.00	6.89	6.32	0.00	6.32	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
160	4.200	31.98	0.00	0.00	0.00	6.89	6.32	0.00	6.32	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
161	4.100	31.98	0.00	0.00	0.00	6.89	6.33	0.00	6.33	0.00	1.15	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
162	4.000	31.99	0.00	0.00	0.00	6.89	6.33	0.00	6.33	0.00	1.14	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
163	3.900	31.99	0.00	0.00	0.00	6.89	6.34	0.00	6.34	0.00	1.14	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
164	3.800	32.00	0.00	0.00	0.00	6.89	6.34	0.00	6.34	0.00	1.14	0.11	0.00	1.26	0.00	20.00	0.00	0.	0.00
165	3.700	32.00	0.00	0.00	0.00	6.80	6.29	0.00	6.29	0.00	1.12	0.11	0.00	1.23	0.00	20.00	0.00	0.	0.00

FINAL REPORT BayouBlue#1 LA-QUAL baseline for Bayou Blue

REACH NO. 3 BayouBlue#2

********** 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 mg/L	PHOS µg/L	CHL A	COLI #/100mL	NCM
180	UPR RCH	1.62646	32.00	0.00	0.00	0.00	6.80	6.29	0.00	6.29	0.00	1.12	0.11	0.00	0.00	20.00	0.00	0.00
180	TRIB	1.41600	32.00	0.00	0.00	0.00	4.99	5.15	0.00	5.15	0.00	0.57	0.05	0.00	0.00	20.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
180	3.70	3.60	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
181	3.60	3.50	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
182	3.50	3.40	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
183	3.40	3.30	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
184	3.30	3.20	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
185	3.20	3.10	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
186	3.10	3.00	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
187	3.00	2.90	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
188	2.90	2.80	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
189	2.80	2.70	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
190	2.70	2.60	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
191	2.60	2.50	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
192	2.50	2.40	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
193	2.40	2.30	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
194	2.30	2.20	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
195	2.20	2.10	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
196	2.10	2.00	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
197	2.00	1.90	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
198	1.90	1.80	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052

199	1.80	1.70	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
200	1.70	1.60	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
201	1.60	1.50	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
202	1.50	1.40	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
203	1.40	1.30	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
204	1.30	1.20	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
205	1.20	1.10	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
206	1.10	1.00	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
207	1.00	0.90	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
208	0.90	0.80	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
209	0.80	0.70	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
210	0.70	0.60	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
211	0.60	0.50	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
212	0.50	0.40	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
213	0.40	0.30	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
214	0.30	0.20	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
215	0.20	0.10	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
216	0.10	0.00	3.04246	0.0	0.05161	0.02	0.90	65.50	5895.00	6550.00	58.95	0.00	0.000	0.500	0.052
TOT					0.83			218114.98	242350.00						
AVG				0.0516			0.90	65.50			58.95				
CUM					1.41										

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

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	BOD#1 DECAY	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		
180	3.600	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
181	3.500	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
182	3.400	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
183	3.300	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
184	3.200	7.31	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
185	3.100	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
186	3.000	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
187	2.900	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.06	1.06	1.06	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
188	2.800	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
189	2.700	7.32	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	
190	2.600	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
191	2.500	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
192	2.400	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
193	2.300	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
194	2.200	7.33	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
195	2.100	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
196	2.000	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
197	1.900	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
198	1.800	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
199	1.700	7.34	1.30	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
200	1.600	7.35	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
201	1.500	7.35	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
202	1.400	7.35	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
203	1.300	7.35	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	
204	1.200	7.36	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	

205	1.100	7.36	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
206	1.000	7.36	1.29	0.26	0.00	0.00	0.00	0.00	0.00	1.04	1.04	1.04	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
207	0.900	7.36	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
208	0.800	7.36	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
209	0.700	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
210	0.600	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
211	0.500	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
212	0.400	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
213	0.300	7.37	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
214	0.200	7.38	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
215	0.100	7.38	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.27	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
216	0.000	7.38	1.29	0.25	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	0.03	0.00	0.26	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE				1.05	0.15	0.00	0.00	0.00	0.00	0.00	0.50		0.02	0.00	0.13	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/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/m³	PHOS	CHL A #/100mL	MACRO	COLI	NCM
180	3.600	31.98	0.00	0.00	0.00	5.88	5.75	0.00	5.75	0.00	0.84	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
181	3.500	31.97	0.00	0.00	0.00	5.88	5.78	0.00	5.78	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
182	3.400	31.95	0.00	0.00	0.00	5.88	5.82	0.00	5.82	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
183	3.300	31.94	0.00	0.00	0.00	5.88	5.86	0.00	5.86	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
184	3.200	31.92	0.00	0.00	0.00	5.87	5.90	0.00	5.90	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
185	3.100	31.90	0.00	0.00	0.00	5.87	5.94	0.00	5.94	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
186	3.000	31.89	0.00	0.00	0.00	5.87	5.97	0.00	5.97	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
187	2.900	31.87	0.00	0.00	0.00	5.87	6.01	0.00	6.01	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
188	2.800	31.85	0.00	0.00	0.00	5.87	6.05	0.00	6.05	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
189	2.700	31.84	0.00	0.00	0.00	5.87	6.08	0.00	6.08	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
190	2.600	31.82	0.00	0.00	0.00	5.87	6.12	0.00	6.12	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
191	2.500	31.81	0.00	0.00	0.00	5.87	6.16	0.00	6.16	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
192	2.400	31.79	0.00	0.00	0.00	5.87	6.19	0.00	6.19	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
193	2.300	31.77	0.00	0.00	0.00	5.86	6.23	0.00	6.23	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
194	2.200	31.76	0.00	0.00	0.00	5.86	6.26	0.00	6.26	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
195	2.100	31.74	0.00	0.00	0.00	5.86	6.30	0.00	6.30	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
196	2.000	31.72	0.00	0.00	0.00	5.86	6.34	0.00	6.34	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
197	1.900	31.71	0.00	0.00	0.00	5.86	6.37	0.00	6.37	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
198	1.800	31.69	0.00	0.00	0.00	5.86	6.41	0.00	6.41	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
199	1.700	31.68	0.00	0.00	0.00	5.85	6.44	0.00	6.44	0.00	0.83	0.08	0.00	0.91	0.00	20.00	0.00	0.	0.00	
200	1.600	31.66	0.00	0.00	0.00	5.85	6.48	0.00	6.48	0.00	0.83	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
201	1.500	31.64	0.00	0.00	0.00	5.85	6.51	0.00	6.51	0.00	0.83	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
202	1.400	31.63	0.00	0.00	0.00	5.85	6.54	0.00	6.54	0.00	0.83	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
203	1.300	31.61	0.00	0.00	0.00	5.85	6.58	0.00	6.58	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
204	1.200	31.59	0.00	0.00	0.00	5.84	6.61	0.00	6.61	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
205	1.100	31.58	0.00	0.00	0.00	5.84	6.65	0.00	6.65	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
206	1.000	31.56	0.00	0.00	0.00	5.84	6.68	0.00	6.68	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
207	0.900	31.55	0.00	0.00	0.00	5.84	6.71	0.00	6.71	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
208	0.800	31.53	0.00	0.00	0.00	5.84	6.75	0.00	6.75	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
209	0.700	31.51	0.00	0.00	0.00	5.83	6.78	0.00	6.78	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
210	0.600	31.50	0.00	0.00	0.00	5.83	6.81	0.00	6.81	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
211	0.500	31.48	0.00	0.00	0.00	5.83	6.85	0.00	6.85	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	
212	0.400	31.46	0.00	0.00	0.00	5.83	6.88	0.00	6.88	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00	

213	0.300	31.45	0.00	0.00	0.00	5.82	6.91	0.00	6.91	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00
214	0.200	31.43	0.00	0.00	0.00	5.82	6.94	0.00	6.94	0.00	0.82	0.08	0.00	0.90	0.00	20.00	0.00	0.	0.00
215	0.100	31.42	0.00	0.00	0.00	5.81	6.93	0.00	6.93	0.00	0.81	0.08	0.00	0.89	0.00	20.00	0.00	0.	0.00
216	0.000	31.40	0.00	0.00	0.00	5.67	6.53	0.00	6.53	0.00	0.69	0.08	0.00	0.77	0.00	20.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL baseline for Bayou Blue
BayouBlue#1

TRAVEL TIME = 1.41 DAYS
MAXIMUM EFFLUENT = 0.02 PERCENT
FLOW = 1.59518 TO 3.04246 m³/s
DISPERSION = 0.5000 TO 0.5000 m²/s
VELOCITY = 0.05161 TO 0.34916 m/s
DEPTH = 0.50 TO 0.90 m
WIDTH = 10.00 TO 65.50 m
BOD DECAY = 0.25 TO 0.26 per day
NH3 DECAY = 0.23 TO 0.28 per day
SOD = 1.01 TO 1.06 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 1.29 TO 8.11 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 = 31.20 TO 32.00 deg C
DISSOLVED OXYGEN = 3.59 TO 6.89 mg/L

FINAL REPORT ICWWtoBlue LA-QUAL baseline for Bayou Blue
REACH NO. 2 ICWWtoBlue

********** 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
166	HDWTR	1.41600	31.30	0.00	0.00	0.00	4.53	3.83	0.00	3.83	0.00	0.49	0.04	0.00	0.00	20.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
166	1.40	1.30	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
167	1.30	1.20	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
168	1.20	1.10	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
169	1.10	1.00	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
170	1.00	0.90	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
171	0.90	0.80	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
172	0.80	0.70	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
173	0.70	0.60	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
174	0.60	0.50	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
175	0.50	0.40	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
176	0.40	0.30	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
177	0.30	0.20	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
178	0.20	0.10	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
179	0.10	0.00	1.41600	0.0	0.02299	0.05	1.40	44.00	6160.00	4400.00	61.60	0.00	0.000	0.500	0.023
TOT					0.70				86240.00	61600.00					
AVG				0.0230			1.40	44.00			61.60				

CUM 0.70

********** 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	
166	1.300	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
167	1.200	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
168	1.100	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
169	1.000	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
170	0.900	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
171	0.800	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
172	0.700	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
173	0.600	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
174	0.500	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
175	0.400	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
176	0.300	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
177	0.200	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
178	0.100	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.26	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
179	0.000	7.30	0.62	0.26	0.00	0.00	0.00	0.00	0.00	1.49	1.49	1.49	0.03	0.00	0.27	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.50	0.15	0.00	0.00	0.00	0.00	0.00	0.70			0.02	0.00	0.13	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	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 mg/L	TOTN mg/L	PHOS µg/L	CHL A g/m³	MACRO	COLI #/100mL	NCM
166	1.300	32.00	0.00	0.00	0.00	4.56	3.94	0.00	3.94	0.00	0.49	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
167	1.200	32.00	0.00	0.00	0.00	4.58	4.02	0.00	4.02	0.00	0.49	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
168	1.100	32.00	0.00	0.00	0.00	4.60	4.11	0.00	4.11	0.00	0.49	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
169	1.000	32.00	0.00	0.00	0.00	4.62	4.20	0.00	4.20	0.00	0.49	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
170	0.900	32.00	0.00	0.00	0.00	4.64	4.28	0.00	4.28	0.00	0.49	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
171	0.800	32.00	0.00	0.00	0.00	4.65	4.36	0.00	4.36	0.00	0.49	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
172	0.700	32.00	0.00	0.00	0.00	4.66	4.44	0.00	4.44	0.00	0.49	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
173	0.600	32.00	0.00	0.00	0.00	4.68	4.52	0.00	4.52	0.00	0.48	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
174	0.500	32.00	0.00	0.00	0.00	4.69	4.60	0.00	4.60	0.00	0.48	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
175	0.400	32.00	0.00	0.00	0.00	4.70	4.68	0.00	4.68	0.00	0.48	0.04	0.00	0.52	0.00	20.00	0.00	0.	0.00
176	0.300	32.00	0.00	0.00	0.00	4.71	4.76	0.00	4.76	0.00	0.48	0.04	0.00	0.52	0.00	20.00	0.00	0.	0.00
177	0.200	32.00	0.00	0.00	0.00	4.72	4.84	0.00	4.84	0.00	0.49	0.04	0.00	0.53	0.00	20.00	0.00	0.	0.00
178	0.100	32.00	0.00	0.00	0.00	4.76	4.94	0.00	4.94	0.00	0.50	0.04	0.00	0.54	0.00	20.00	0.00	0.	0.00
179	0.000	32.00	0.00	0.00	0.00	4.99	5.15	0.00	5.15	0.00	0.57	0.05	0.00	0.62	0.00	20.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL baseline for Bayou Blue

ICWWtoBlue

TRAVEL TIME = 0.70 DAYS
MAXIMUM EFFLUENT = 0.00 PERCENT
FLOW = 1.41600 TO 1.41600 m³/s
DISPERSION = 0.5000 TO 0.5000 m²/s
VELOCITY = 0.02299 TO 0.02299 m/s
DEPTH = 1.40 TO 1.40 m
WIDTH = 44.00 TO 44.00 m
BOD DECAY = 0.26 TO 0.26 per day
NH3 DECAY = 0.26 TO 0.27 per day
SOD = 1.49 TO 1.49 g/m²/d

NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.62 TO 0.62 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.03 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 32.00 TO 32.00 deg C
DISSOLVED OXYGEN = 4.56 TO 4.99 mg/L
LA-QUAL baseline for Bayou Blue

REACH SUMMARY REPORT FOR BayouBlue#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
1	BayouBlue#1	20.20	3.70	16.50	0.58	1.62646	0.33116	0.500	10.00	57.430	1.087	1.640	32.81
3	BayouBlue#2	3.70	0.00	3.70	0.83	3.04246	0.05161	0.900	65.50	107.429	0.169	2.953	214.91

LA-QUAL baseline for Bayou Blue

REACH SUMMARY REPORT FOR ICWWtoBlue

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
2	ICWWtoBlue	1.40	0.00	1.40	0.70	1.41600	0.02299	1.400	44.00	49.999	0.075	4.593	144.36

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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 IN	BOD1 OUT	NH3-N IN	ORG-N IN	NCM OUT	SOD PHOT	SOD RESP	SOD PHOT	SOD OUT	ALG IN	ALG OUT	MAC IN	TOT OUT	TOT IN
1	522.	0.	-536.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-538.3	538.3	0.00
2	536.	0.	-550.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-552.1	552.1	0.00
3	550.	0.	-563.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-565.5	565.5	0.00
4	563.	0.	-576.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-578.4	578.4	0.00
5	576.	0.	-589.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-591.1	591.1	0.00
6	589.	0.	-601.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-603.4	603.4	0.00
7	601.	0.	-613.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-615.3	615.3	0.00
8	613.	0.	-625.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-627.0	627.0	0.00
9	625.	0.	-636.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-638.4	638.4	0.00
10	636.	0.	-648.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-649.4	649.4	0.00
11	648.	0.	-658.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-660.2	660.2	0.00
12	658.	0.	-669.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-670.7	670.7	0.00
13	669.	0.	-679.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-681.0	681.0	0.00
14	679.	0.	-689.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-690.9	690.9	0.00
15	689.	0.	-699.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-700.6	700.6	0.00
16	699.	0.	-708.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-710.1	710.1	0.00
17	708.	0.	-717.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-719.3	719.3	0.00
18	717.	0.	-726.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-728.2	728.2	0.00
19	726.	0.	-735.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-737.0	737.0	0.00
20	735.	0.	-744.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-745.5	745.5	0.00
21	744.	0.	-752.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-753.8	753.8	0.00
22	752.	0.	-760.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-761.8	761.8	0.00
23	760.	0.	-768.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-769.7	769.7	0.00
24	768.	0.	-775.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-777.3	777.3	0.00
25	775.	0.	-783.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-784.8	784.8	0.00

26	783.	0.	-790.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-792.1	792.1	0.00
27	790.	0.	-797.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-799.1	799.1	0.00
28	797.	0.	-804.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-806.0	806.0	0.00
29	804.	0.	-811.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-812.7	812.7	0.00
30	811.	0.	-817.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-819.3	819.3	0.00
31	817.	0.	-824.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-825.6	825.6	0.00
32	824.	0.	-830.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-831.8	831.8	0.00
33	830.	0.	-836.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-837.9	837.9	0.00
34	836.	0.	-842.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-843.8	843.8	0.00
35	842.	0.	-848.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-849.5	849.5	0.00
36	848.	0.	-853.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-855.1	855.1	0.00
37	853.	0.	-859.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-860.5	860.5	0.00
38	859.	0.	-864.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-865.8	865.8	0.00
39	864.	0.	-869.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-871.0	871.0	0.00
40	869.	0.	-874.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-876.0	876.0	0.00
41	874.	0.	-879.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-880.9	880.9	0.00
42	879.	0.	-884.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-885.7	885.7	0.00
43	884.	0.	-888.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-890.3	890.3	0.00
44	888.	0.	-893.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-894.8	894.8	0.00
45	893.	0.	-897.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-899.3	899.3	0.00
46	897.	0.	-902.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-903.6	903.6	0.00
47	902.	0.	-906.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-907.7	907.7	0.00
48	906.	0.	-910.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-911.8	911.8	0.00
49	910.	0.	-914.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-915.8	915.8	0.00
50	914.	0.	-918.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-919.7	919.7	0.00
51	918.	0.	-922.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-923.4	923.4	0.00
52	922.	0.	-925.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-927.1	927.1	0.00
53	925.	0.	-929.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-930.7	930.7	0.00
54	929.	0.	-932.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-934.2	934.2	0.00
55	932.	0.	-936.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-937.6	937.6	0.00
56	936.	0.	-939.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-940.9	940.9	0.00
57	939.	0.	-942.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-944.1	944.1	0.00
58	942.	0.	-945.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-947.3	947.3	0.00
59	945.	0.	-948.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-950.3	950.3	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	NONP IN	WSLD OUT	WITH IN	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	948.	0.	-951.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-953.3	953.3	0.00
61	951.	0.	-954.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-956.2	956.2	0.00
62	954.	0.	-957.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-959.0	959.0	0.00
63	957.	0.	-877.	0.	0.	0.	0.	0.	0.	0.	-83.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-961.6	961.6	0.00
64	877.	0.	-879.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-881.2	881.2	0.00
65	879.	0.	-882.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-883.6	883.6	0.00
66	882.	0.	-884.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-886.0	886.0	0.00
67	884.	0.	-886.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-888.4	888.4	0.00
68	886.	0.	-889.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-890.6	890.6	0.00
69	889.	0.	-891.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-892.8	892.8	0.00
70	891.	0.	-893.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-895.0	895.0	0.00
71	893.	0.	-895.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-897.0	897.0	0.00
72	895.	0.	-897.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-899.1	899.1	0.00

73	897.	0.	-899.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-901.0	901.0	0.00
74	899.	0.	-901.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-903.0	903.0	0.00
75	901.	0.	-903.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-904.8	904.8	0.00
76	903.	0.	-905.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-906.7	906.7	0.00
77	905.	0.	-907.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-908.4	908.4	0.00
78	907.	0.	-908.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-910.2	910.2	0.00
79	908.	0.	-910.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-911.9	911.9	0.00
80	910.	0.	-912.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-913.5	913.5	0.00
81	912.	0.	-913.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-915.1	915.1	0.00
82	913.	0.	-915.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-916.7	916.7	0.00
83	915.	0.	-916.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-918.2	918.2	0.00
84	916.	0.	-918.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-919.6	919.6	0.00
85	918.	0.	-919.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-921.1	921.1	0.00
86	919.	0.	-921.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-922.5	922.5	0.00
87	921.	0.	-922.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-923.8	923.8	0.00
88	922.	0.	-923.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-925.2	925.2	0.00
89	923.	0.	-925.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-926.5	926.5	0.00
90	925.	0.	-926.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-927.7	927.7	0.00
91	926.	0.	-927.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-929.0	929.0	0.00
92	927.	0.	-928.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-930.2	930.2	0.00
93	928.	0.	-929.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-931.3	931.3	0.00
94	929.	0.	-931.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-932.5	932.5	0.00
95	931.	0.	-932.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-933.6	933.6	0.00
96	932.	0.	-933.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-934.6	934.6	0.00
97	933.	0.	-934.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-935.7	935.7	0.00
98	934.	0.	-935.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-936.7	936.7	0.00
99	935.	0.	-936.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-937.7	937.7	0.00
100	936.	0.	-937.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-938.7	938.7	0.00
101	937.	0.	-938.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-939.6	939.6	0.00
102	938.	0.	-939.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-940.6	940.6	0.00
103	939.	0.	-940.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-941.5	941.5	0.00
104	940.	0.	-940.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-942.3	942.3	0.00
105	940.	0.	-941.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-943.2	943.2	0.00
106	941.	0.	-942.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-944.0	944.0	0.00
107	942.	0.	-943.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-944.8	944.8	0.00
108	943.	0.	-944.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-945.6	945.6	0.00
109	944.	0.	-945.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-946.4	946.4	0.00
110	945.	0.	-945.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-947.2	947.2	0.00
111	945.	0.	-946.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-947.9	947.9	0.00
112	946.	0.	-947.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-948.6	948.6	0.00
113	947.	0.	-947.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-949.3	949.3	0.00
114	947.	0.	-948.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-950.0	950.0	0.00
115	948.	0.	-949.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-950.7	950.7	0.00
116	949.	0.	-949.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-951.3	951.3	0.00
117	949.	0.	-950.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-951.9	951.9	0.00
118	950.	0.	-951.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-952.6	952.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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	951.	0.	-951.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-953.3	953.2	-0.09

120	951.	0.	-952.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-953.9	953.9	0.00
121	952.	0.	-953.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-954.5	954.5	0.00
122	953.	0.	-953.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-955.1	955.1	0.00
123	953.	0.	-954.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-955.6	955.6	0.00
124	954.	0.	-954.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-956.1	956.1	0.00
125	954.	0.	-955.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-956.7	956.7	0.00
126	955.	0.	-955.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-957.2	957.2	0.00
127	955.	0.	-956.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-957.7	957.7	0.00
128	956.	0.	-956.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-958.1	958.1	0.00
129	956.	0.	-957.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-958.6	958.6	0.00
130	957.	0.	-957.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-959.1	959.1	0.00
131	957.	0.	-958.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-959.5	959.5	0.00
132	958.	0.	-958.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-960.0	960.0	0.00
133	958.	0.	-958.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-960.4	960.4	0.00
134	958.	0.	-959.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-960.8	960.8	0.00
135	959.	0.	-959.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-961.2	961.2	0.00
136	959.	0.	-960.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-961.6	961.6	0.00
137	960.	0.	-960.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-962.0	962.0	0.00
138	960.	0.	-960.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-962.4	962.4	0.00
139	960.	0.	-961.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-962.8	962.8	0.00
140	961.	0.	-961.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-963.2	963.2	0.00
141	961.	0.	-962.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-963.5	963.5	0.00
142	962.	0.	-962.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-963.9	963.9	0.00
143	962.	0.	-962.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-964.2	964.2	0.00
144	962.	0.	-963.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-964.6	964.6	0.00
145	963.	0.	-963.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-964.9	964.9	0.00
146	963.	0.	-963.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-965.2	965.2	0.00
147	963.	0.	-964.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-965.5	965.5	0.00
148	964.	0.	-964.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-965.8	965.8	0.00
149	964.	0.	-964.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-966.1	966.1	0.00
150	964.	0.	-964.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-966.4	966.4	0.00
151	964.	0.	-965.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-966.7	966.7	0.00
152	965.	0.	-965.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-967.0	967.0	0.00
153	965.	0.	-965.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-967.3	967.3	0.00
154	965.	0.	-966.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-967.6	967.6	0.00
155	966.	0.	-966.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-967.8	967.8	0.00
156	966.	0.	-966.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-968.1	968.1	0.00
157	966.	0.	-966.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-968.4	968.4	0.00
158	966.	0.	-967.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-968.6	968.6	0.00
159	967.	0.	-967.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-968.9	968.9	0.00
160	967.	0.	-967.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-969.1	969.1	0.00
161	967.	0.	-967.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-969.3	969.3	0.00
162	967.	0.	-968.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-969.6	969.6	0.00
163	968.	0.	-968.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-969.8	969.8	0.00
164	968.	0.	-968.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-970.0	970.0	0.00
165	968.	0.	-956.	0.	0.	-13.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-970.6	970.6	0.00
180	956.	610.	-1545.	13.	-34.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1594.9	1594.9	0.00
181	1545.	0.	-1545.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1561.1	1561.1	0.00
182	1545.	0.	-1545.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1561.0	1561.0	0.00
183	1545.	0.	-1544.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1560.9	1560.9	0.00

184	1544.	0.	-1544.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1560.8	1560.8	0.00
185	1544.	0.	-1544.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1560.6	1560.6	0.00
186	1544.	0.	-1544.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1560.5	1560.5	0.00
187	1544.	0.	-1544.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1560.2	1560.2	0.00
188	1544.	0.	-1543.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1560.0	1560.0	0.00
189	1543.	0.	-1543.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1559.8	1559.8	0.00
190	1543.	0.	-1543.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1559.5	1559.5	0.00
191	1543.	0.	-1542.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1559.2	1559.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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 IN	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
192	1542.	0.	-1542.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1558.9	1558.9	0.00
193	1542.	0.	-1542.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-9.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1558.5	1558.5	0.00
194	1542.	0.	-1541.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1558.1	1558.1	0.00
195	1541.	0.	-1541.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1557.8	1557.8	0.00
196	1541.	0.	-1540.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1557.4	1557.4	0.00
197	1540.	0.	-1540.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1556.9	1556.9	0.00
198	1540.	0.	-1539.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1556.5	1556.5	0.00
199	1539.	0.	-1539.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1556.1	1556.1	0.00
200	1539.	0.	-1538.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1555.6	1555.6	0.00
201	1538.	0.	-1538.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1555.1	1555.1	0.00
202	1538.	0.	-1537.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1554.6	1554.6	0.00
203	1537.	0.	-1537.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1554.1	1554.1	0.00
204	1537.	0.	-1536.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1553.6	1553.6	0.00
205	1536.	0.	-1536.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1553.0	1553.0	0.00
206	1536.	0.	-1535.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1552.5	1552.5	0.00
207	1535.	0.	-1534.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1552.0	1552.0	0.00
208	1534.	0.	-1534.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1551.4	1551.4	0.00
209	1534.	0.	-1533.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1550.8	1550.8	0.00
210	1533.	0.	-1533.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1550.2	1550.2	0.00
211	1533.	0.	-1532.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1549.7	1549.7	0.00
212	1532.	0.	-1531.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1549.1	1549.1	0.00
213	1531.	0.	-1531.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1548.5	1548.5	0.00
214	1531.	0.	-1530.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1547.9	1547.9	0.00
215	1530.	0.	-1526.	0.	0.	-4.	0.	0.	0.	0.	0.	12.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1547.3	1547.3	0.00
216	1526.	0.	-1489.	4.	0.	-42.	0.	0.	0.	0.	0.	13.	-10.	-1.	0.	0.	-7.	0.	0.	0.	5.	0.	0.	-1547.9	1547.9	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: ICWWtoBlue

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE IN	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
166	554.	0.	-558.	0.	0.	1.	0.	0.	0.	0.	0.	11.	-6.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-570.9	570.9	0.00
167	558.	0.	-560.	-1.	0.	1.	0.	0.	0.	0.	0.	10.	-6.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-574.3	574.3	0.00
168	560.	0.	-563.	-1.	0.	0.	0.	0.	0.	0.	0.	10.	-7.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-576.8	576.8	0.00
169	563.	0.	-565.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-7.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-579.1	579.1	0.00
170	565.	0.	-567.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-7.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-581.3	581.3	0.00
171	567.	0.	-569.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-7.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-583.2	583.2	0.00
172	569.	0.	-571.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-7.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-585.0	585.0	0.00
173	571.	0.	-572.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-7.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-586.6	586.6	0.00
174	572.	0.	-574.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-7.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-588.0	588.0	0.00
175	574.	0.	-575.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-8.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-589.3	589.3	0.00
176	575.	0.	-576.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-8.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-590.6	590.6	0.00

177	576.	0.	-578.	0.	0.	1.	0.	0.	0.	0.	0.	10.	-8.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-592.5	592.5	0.00
178	578.	0.	-583.	-1.	0.	6.	0.	0.	0.	0.	0.	10.	-8.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-598.7	598.7	0.00
179	583.	0.	-610.	-6.	0.	34.	0.	0.	0.	0.	0.	9.	-8.	0.	0.	0.	-7.	0.	0.	0.	6.	0.	0.	-631.1	631.1	0.00

LA-QUAL baseline for Bayou Blue

INPUT/OUTPUT LOADING SUMMARY

	FLOW	DO	BOD#1	BOD#2	ORG-N	NH3-N	NO3-N	PHOS	CHL A	NCM
	m^3/s	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d		
HEADWATER FLOW	3.143	1076.5	1295.2	0.0	233.0	21.3	0.0	0.0	0.0	0.0
INCREMENTAL INFLOW	0.050	15.1	23.9	0.0	5.0	0.5	0.0	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	0.000	0.2	2.7	0.0	0.2	0.4	0.0	0.0	0.0	0.0
WITHDRAWLS	-0.151	-82.9	-76.2	0.0	-15.0	-1.4	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	-3.042	-1489.4	-1715.2	0.0	-180.3	-21.6	0.0	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		-41.6	-127.1	0.0	-34.9	0.9	16.3	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	1180.0	0.0	0.0					0.0
NATURAL REAERATION		1311.4								
DAM REAERATION		0.0								
BACKGROUND SOD		-516.2								
BOD#1 DECAY		-583.3	-583.3							
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			-8.0	8.0				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-34.9				-8.1	8.1			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		345.0				0.0	-33.2	0.0	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	3.193	2748.1	2501.9	0.0	238.2	31.1	24.4	0.0	0.0	0.0
TOTAL OUTPUTS	-3.193	-2748.2	-2501.9	0.0	-238.2	-31.1	-33.2	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-0.1	0.0	0.0	0.0	0.0	-8.8	0.0	0.0	0.0

.....EXECUTION COMPLETED