



2020 ANNUAL REPORT

LOWNDES COUNTY IMPAIRED STREAMS MONITORING



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OVERVIEW

Lowndes County conducted sampling of impaired waters listed on the active integrated 305(b)/303(d) list as required by General NPDES Stormwater Permit No. GAG610000 for Phase II MS4. The sampling was conducted in accordance with Lowndes County's approved Monitoring and Implementation Plan for the following impaired waters:

Reach Name/ID	Location	Use*	Cause/ POC*	Source*
Alapaha River GAR031102021203	Willacoochee River to State Line	F	TWR	NP
Cat Creek GAR031101030304	Beatty Mill Creek to Withlacoochee River	F	DO	NP
Cat Creek GAR031101030305	Beaverdam Creek downstream SR 37 to Beatty Mill Creek	F	DO	NP
Franks Creek GAR031102040503	State Route S1780 (Morven Rd) to Little River near Hahira	F	FC	UR
Jumping Gully Creek GAR031102030903	Bevel Creek to State Line	F	FC	NP
Mud Creek GAR031102021102	Downstream Valdosta Mud Creek WPCP to Alapahoochee River	F	FC	UR
Tributary to Withlacoochee #2 GAR031102030804	Headwaters to Withlacoochee River	F	FC	NP
Withlacoochee River GAR031102030401	Bay Branch to Little River	F	FC,TWR	NP
Withlacoochee River GAR031102030403	New River to Bay Branch	F	FC,TWR	NP
Withlacoochee River GAR031102030806	Little River to Okapilco Creek	F	FC,Pb,TWR	NP
Withlacoochee River GAR031102030902	Okapilco Creek to Stateline	F	TWR	NP

Use: F-Fishing

Cause/Pollutant of Concern: TWR-Trophic Weighted Residue, FC-Fecal Coliform, DO-Dissolved Oxygen, Pb-Lead

Source: NP-Nonpoint Sources, UR-Urban Runoff, M-Municipal Point Source Discharges

MONITORING DATA ASSESSMENT

Monitoring data for the 2020 reporting year is included in Appendix A in both tabular and graphical formats. Raw analytical reports are included in Appendix B. The 2020 data serves as an initial baseline for all sampling points in Lowndes County.

Fecal Coliform

In general, fecal coliform sampling results indicated all sampling points exceeded water quality standards for the June and September sampling events. Lowndes County has not identified any point sources within the drainage areas that can be attributed to the widespread exceedances. Based on the limited data collected to date, it is the opinion of Lowndes County that the cause of the exceedances is from natural conditions.



Dissolved Oxygen (DO)

DO levels in Cat Creek at the Highway 122 bridge near the Lowndes County-Berrien County line are well below 4.0 mg/l. Water flow conditions at the bridge are almost stagnant. The channel at this point is wide and shallow with low flow velocities. As the stream flows southward, water velocity and depth transition into more defined streambank conditions. DO levels begin to increase and are at or near compliance levels +/- 2.7 miles downstream at the Cat Creek Bridge.

Low Level Mercury

Low level mercury levels are well below acute standards at all sampling points. Chronic standards were exceeded at the following locations for the indicated sampling events:

- Alapaha River at River Bend Road for June and December
- Withlacoochee River at the Knights Ferry boat ramp for June and December
- Withlacoochee River at Madison Highway (GA 31) bridge for September

Lowndes County has not identified any point sources within the drainage areas that can be attributed to the widespread exceedances. Based on the limited data collected to date, it is the opinion of Lowndes County that the cause of the exceedances is from natural conditions.

Lead

Sampling results for 2020 indicate all samples to be below the detectable limit at all points sampled for lead.

BMP ASSESSMENT

Based on the data assessment above, Lowndes County does not propose implementation of any additional BMPs at this time.



APPENDIX A

Tabular and Graphical Data



LOWNDES COUNTY IMPAIRED WATERS SAMPLING SUMMARY-2020

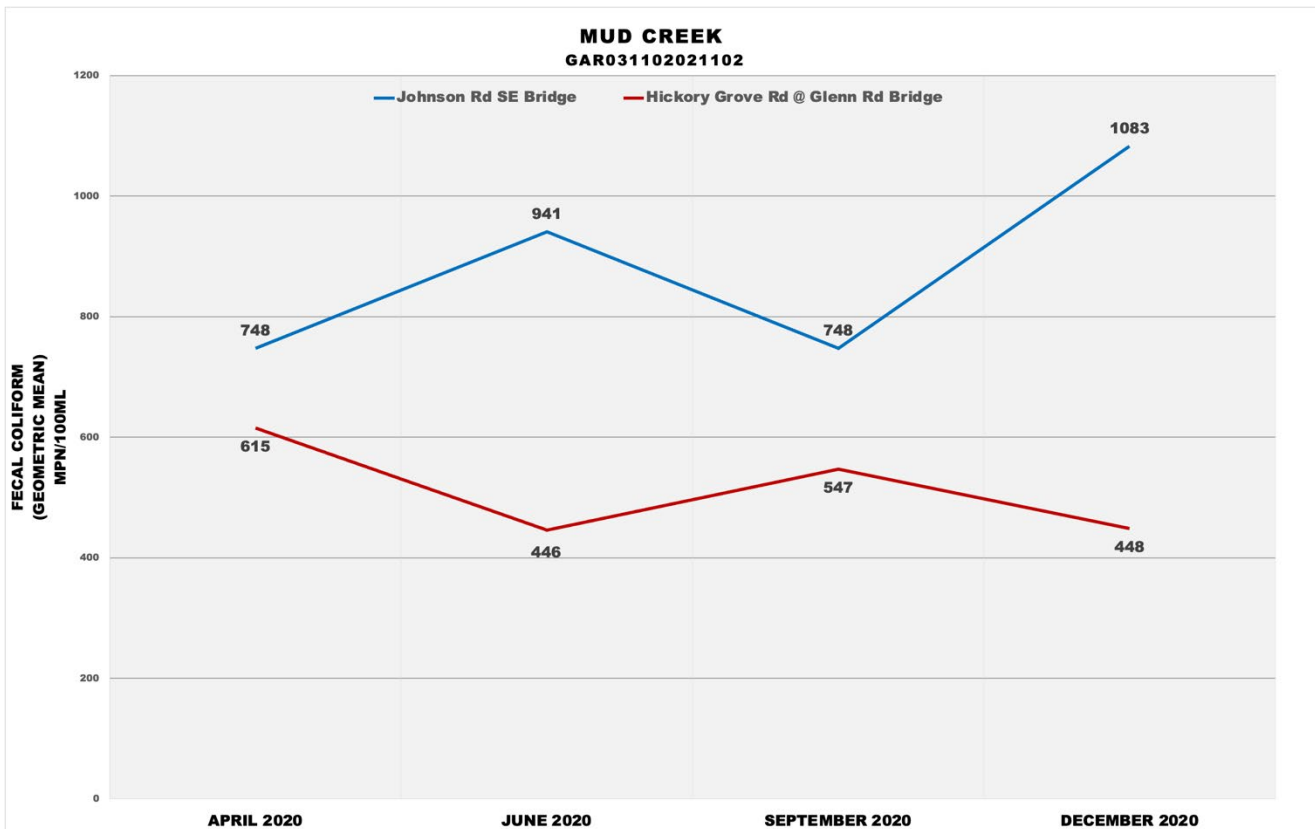
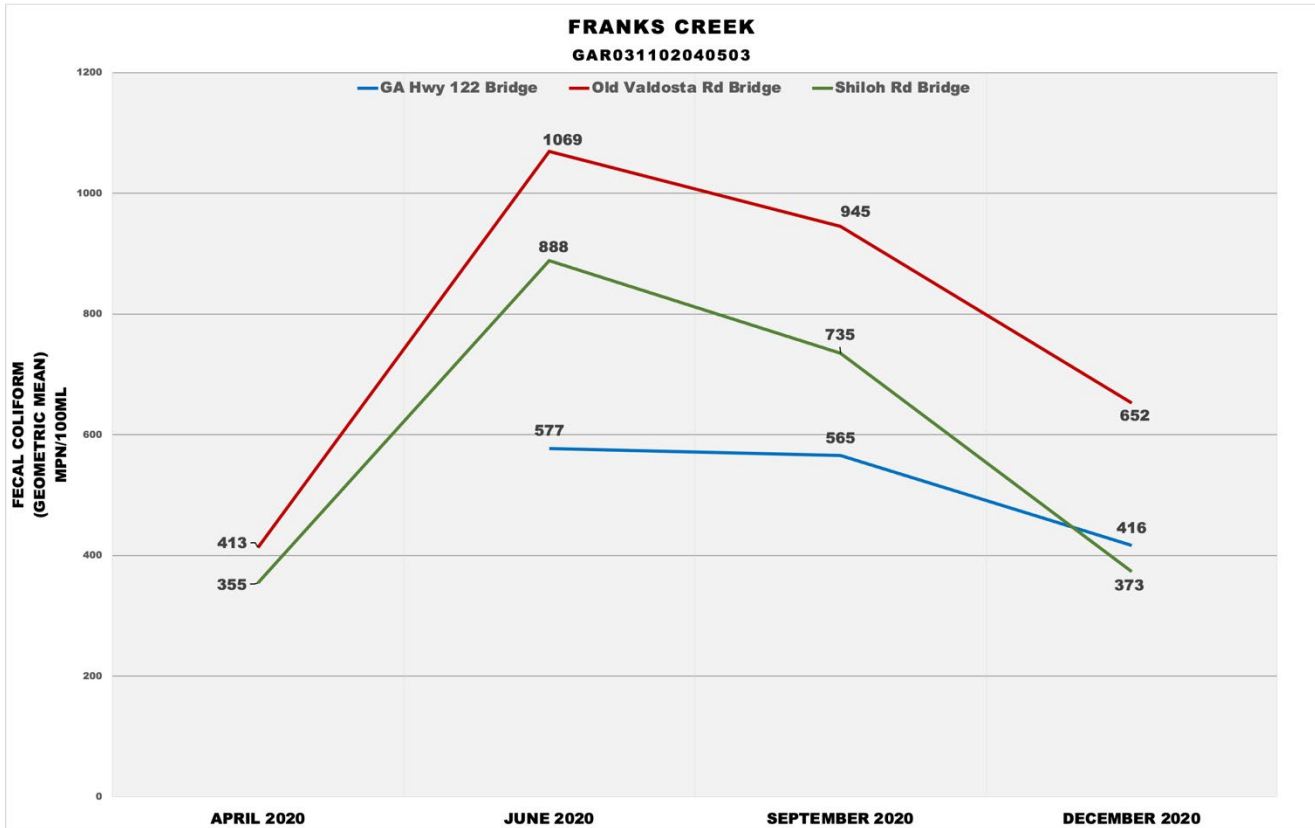
REACH NAME	ID	SAMPLE STATION	STATION ID	4/7-8/2020			4/14/2020	4/21-22/2020	4/29-30/2020	APRIL 2020	6/2-3/2020			6/10/2020	6/17/2020	6/24-25/2020	JUNE 2020
				FC	LLM (TWR)	Pb	FC	FC	FC	FC Geo Mean	FC	LLM (TWR)	Pb	FC	FC	FC	FC Geo Mean
				mpn/100ml	µg/l	µg/l	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml	µg/l	µg/l	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml
Alapaha River	GAR031102021203	Old State Rd Boat Ramp	AR1		0.00500												
		River Bend Rd Riverbank	AR2		0.00500						0.00820						
Cat Creek	GAR031101030305	GA Hwy 122E at Cat Creek Bridge	CR1								0.01460						
Cat Creek	GAR031101030304	Beatty Mill Creek Rd Streambank	CR2														
		Cat Creek Rd Bridge	CR3														
Franks Creek	GAR031102040503	GA Hwy 122 Bridge	FC0														
		Old Valdosta Rd Bridge	FC1	908			798	233	173		798		959	404	359	577	
		Shiloh Rd Bridge	FC2	51			2250	437	315	413	481		4360	650	959	1069	
Jumping Gully Creek	GAR031102030903	Jumping Gully Rd Bridge	JG2	197			345	85	350	355	759		3780	457	475	888	
Mud Creek	GAR031102021102	Johnson Rd SE Bridge	MC1	246			11,200	272	417	212	247		256	171	108	185	
		Hickory Grove Rd @ Glenn Rd Bridge	MC2	145			6870	158	909	748	201		9,210	664	638	941	
Withlacoochee River	GAR031102030403	Hwy 122 E Bridge	WR1	168	0.00500		5790	168	63	319	288	0.00780	624	548	620	446	
Withlacoochee River	GAR031102030401	Staten Rd Bridge	WR2	197	0.00500		1840	465	84	345	183	0.00880	6870	2280	97	813	
		N Valdosta Rd Bridge	WR3	63	0.00500		708	262	74	171	315	0.00500	1070	1960	134	476	
Withlacoochee River	GAR031102030806	Hwy 133 Bridge Over Little River	WR4	120	0.00500	1.00000	520	359	211	262	206	0.01140	911	521	121	367	
		Hwy 84W Bridge	WR5	20	0.00500	1.00000	624	231	145	143	298	0.00500	984	384	3450	720	
Withlacoochee River	GAR031102030902	Knights Ferry Rd Boat Ramp	WR6		0.00500							0.00500	3280	464	320	617	
		Madison Hwy Bridge	WR7		0.00500							0.02190					
Tributary to Withlacoochee River #2	GAR031102030804	Ousley Rd Culvert	WRT1	187			754	226	250	299	373	0.00580	832	404	1400	647	
		Clyattville-Nankin Rd Culvert	WRT2	86			3260	573	2910	827	DRY		987	2490	428	1017	

REACH NAME	ID	SAMPLE STATION	STATION ID	9/1--2/2020			9/8-9/2020	9/14-15/2020	9/22-23/2020	SEPTEMBER 2020	12/1--2/2020			12/8-9/2020	12/15-17/2020	12/22-23/2020	DECEMBER 2020
				FC	LLM (TWR)	Pb	FC	FC	FC	FC Geo Mean	FC	LLM (TWR)	Pb	FC	FC	FC	FC Geo Mean
				mpn/100ml	µg/l	µg/l	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml	µg/l	µg/l	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml
Alapaha River	GAR031102021203	Old State Rd Boat Ramp	AR1		0.007900												
		River Bend Rd Riverbank	AR2		0.006300							0.005000					
Cat Creek	GAR031101030305	GA Hwy 122E at Cat Creek Bridge	CR1									0.012300					
Cat Creek	GAR031101030304	Beatty Mill Creek Rd Streambank	CR2														
		Cat Creek Rd Bridge	CR3														
Franks Creek	GAR031102040503	GA Hwy 122 Bridge	FC0														
		Old Valdosta Rd Bridge	FC1	554			638	1370	211				216	197	1200	416	
		Shiloh Rd Bridge	FC2	1320			842	1950	368	565	588		566	465	530	652	
Jumping Gully Creek	GAR031102030903	Jumping Gully Rd Bridge	JG2	1450			520	845	457	735	776		292	122	703	373	
Mud Creek	GAR031102021102	Johnson Rd SE Bridge	MC1	384			591	1200	364	561	459		135	697	148	283	
		Hickory Grove Rd @ Glenn Rd Bridge	MC2	538			1,070	826	657	748	1140		512	9,210	256	1083	
Withlacoochee River	GAR031102030403	Hwy 122 E Bridge	WR1	355			959	538	488	547	1530		253	233	233	448	
Withlacoochee River	GAR031102030401	Staten Rd Bridge	WR2	199	0.010200		120	158	959	245	311	0.005000	171	63	397	191	
		N Valdosta Rd Bridge	WR3	247	0.008800		173	292	1300	357	512	0.005000	156	197	259	253	
Withlacoochee River	GAR031102030806	Hwy 133 Bridge Over Little River	WR4	179	0.009800		291	1680	983	542	706	0.005000	109	85	327	215	
		Hwy 84W Bridge	WR5	520	0.005500	1.00000	146	185	285	252	197	0.005000	31	41	191	83	
Withlacoochee River	GAR031102030902	Knights Ferry Rd Boat Ramp	WR6	285	0.008600	1.00000	134	120	379	204	281	0.005000	134	20	121	98	
		Madison Hwy Bridge	WR7		0.006300							0.018100					
Tributary to Withlacoochee River #2	GAR031102030804	Ousley Rd Culvert	WRT1	259			743	318	393	394	1300	0.005000	631	1660	109	621	
		Clyattville-Nankin Rd Culvert	WRT2	384			DRY	DRY	DRY	384	DRY		DRY	1860	288	732	

Notes:
 1- Lowndes County began initial stream sampling in April 2020. Subsequent sampling will be conducted annually in March, June, September, and December.
 2- In August 2020 Lowndes County updated the M&I Plan to include addition of FC0 in June, removal of TFC1 and TFC2 from the sampling plan since the impaired stream segment is in the City of Hahira. LC also removed JG1 since it is not on Jumping Gully Creek.
 Not detected

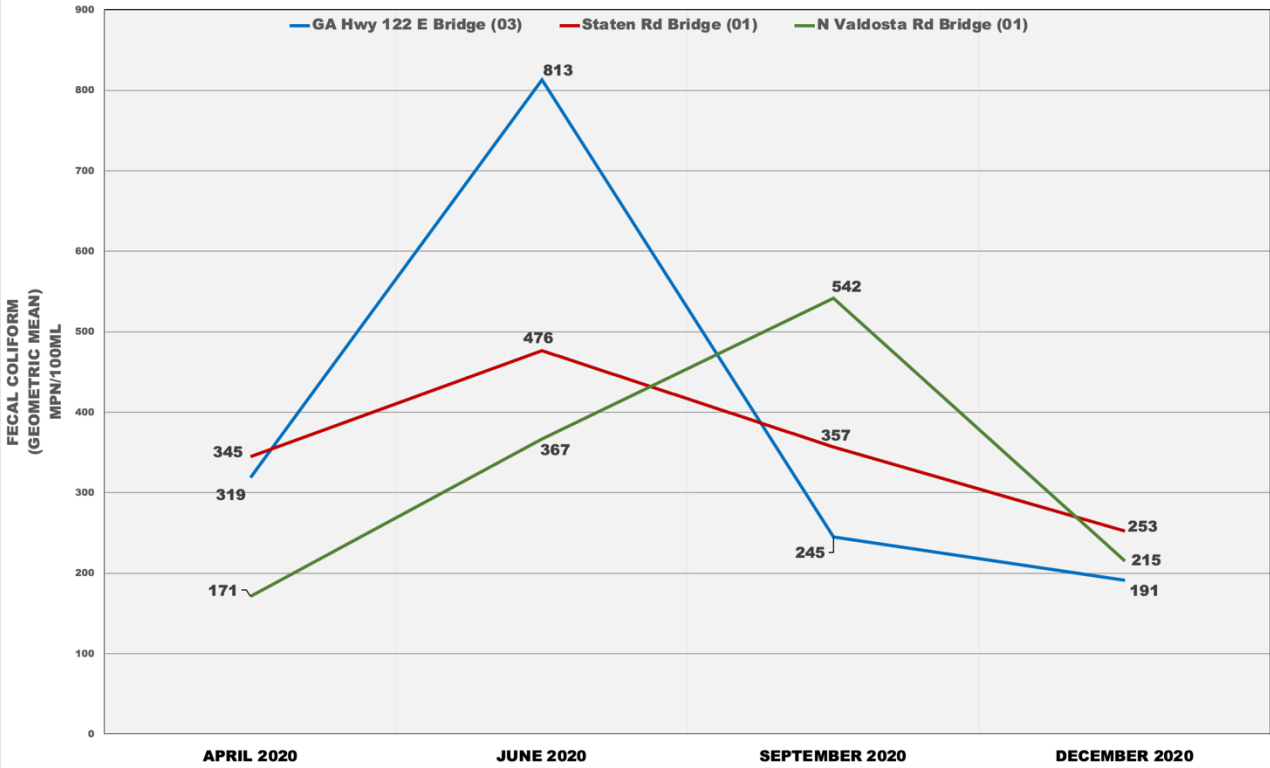
DISSOLVED OXYGEN MONITORING (mg/l)

REACH NAME	ID	SAMPLE STATION	STATION ID	JUNE				JULY				AUGUST				
				6/3/2020	6/11/2020	6/18/2020	6/25/2020	7/2/2020	7/9/2020	7/17/2020	7/23/2020	7/30/2020	8/6/2020	8/13/2020	8/20/2020	8/27/2020
Cat Creek	R031101030305	GA Hwy 122E at Cat Creek Bridge	CC1	3.70	3.13	2.97	2.01	3.11	3.79	2.69	1.72	3.07	2.57	3.43	3.05	3.53
Cat Creek	R031101030304	Beatty Mill Creek Rd Streambank	CC2	1.83	4.26	4.57	3.74	4.74	3.93	4.00	3.47	4.75	3.97	4.78	4.43	4.25
		Cat Creek Rd Bridge	CC3	4.97	5.45	5.73	4.80	5.55	4.98	5.07	4.67	5.21	4.83	5.56	4.84	5.09



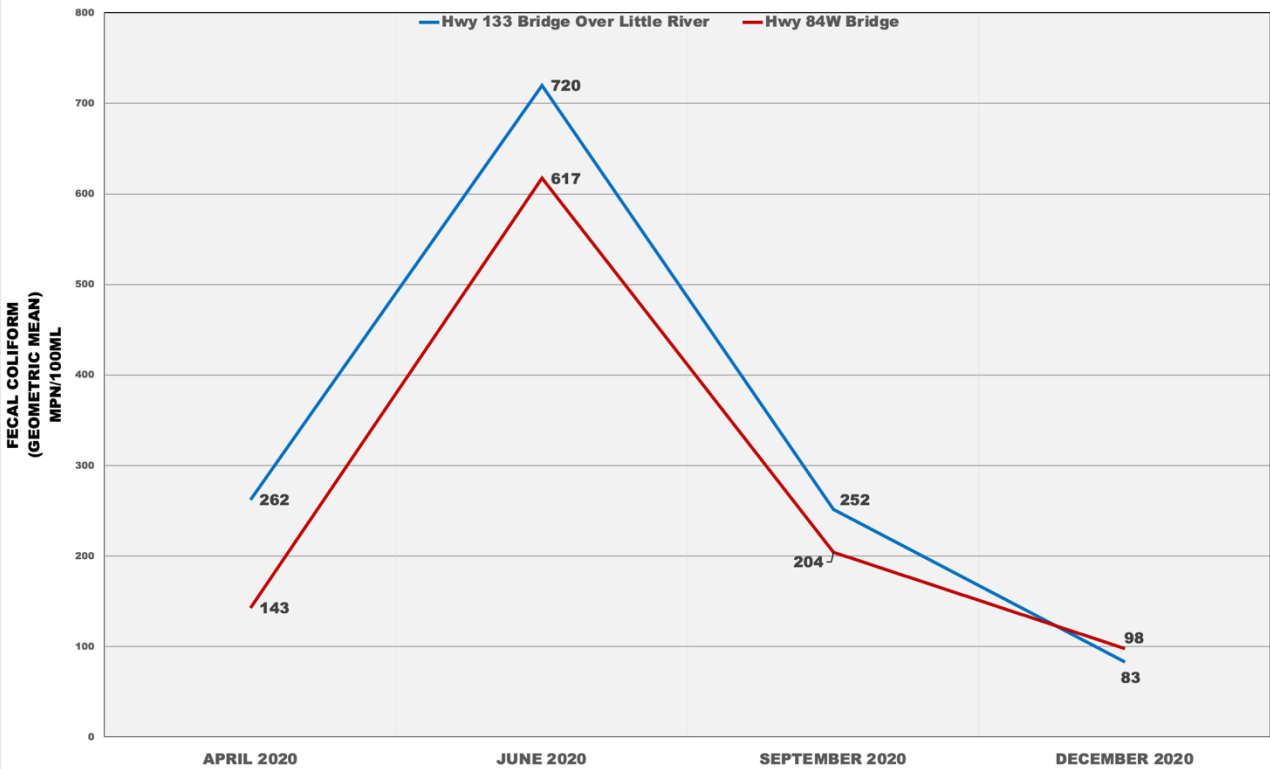
WITHLACOCHEE RIVER

GAR031102030403/01

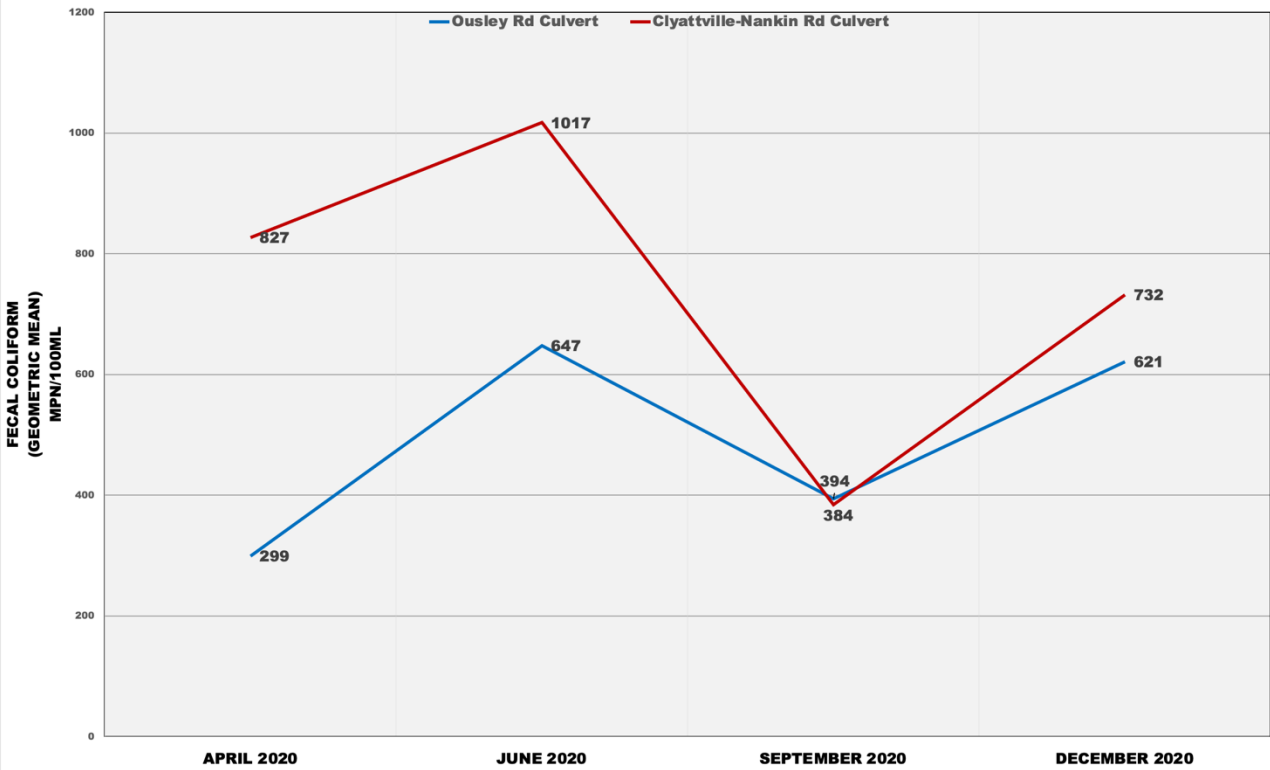


WITHLACOCHEE RIVER

GAR031102030806

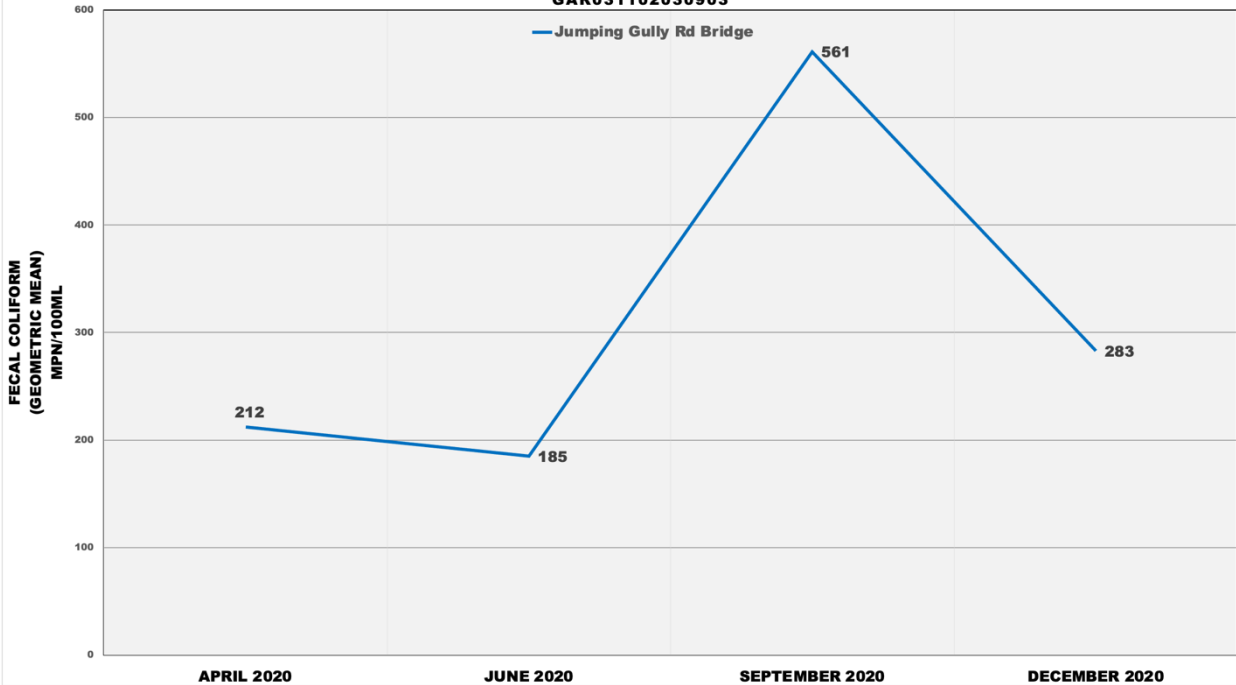


TRIBUTARY TO WITHLACOCHEE RIVER #2
GAR031102030804

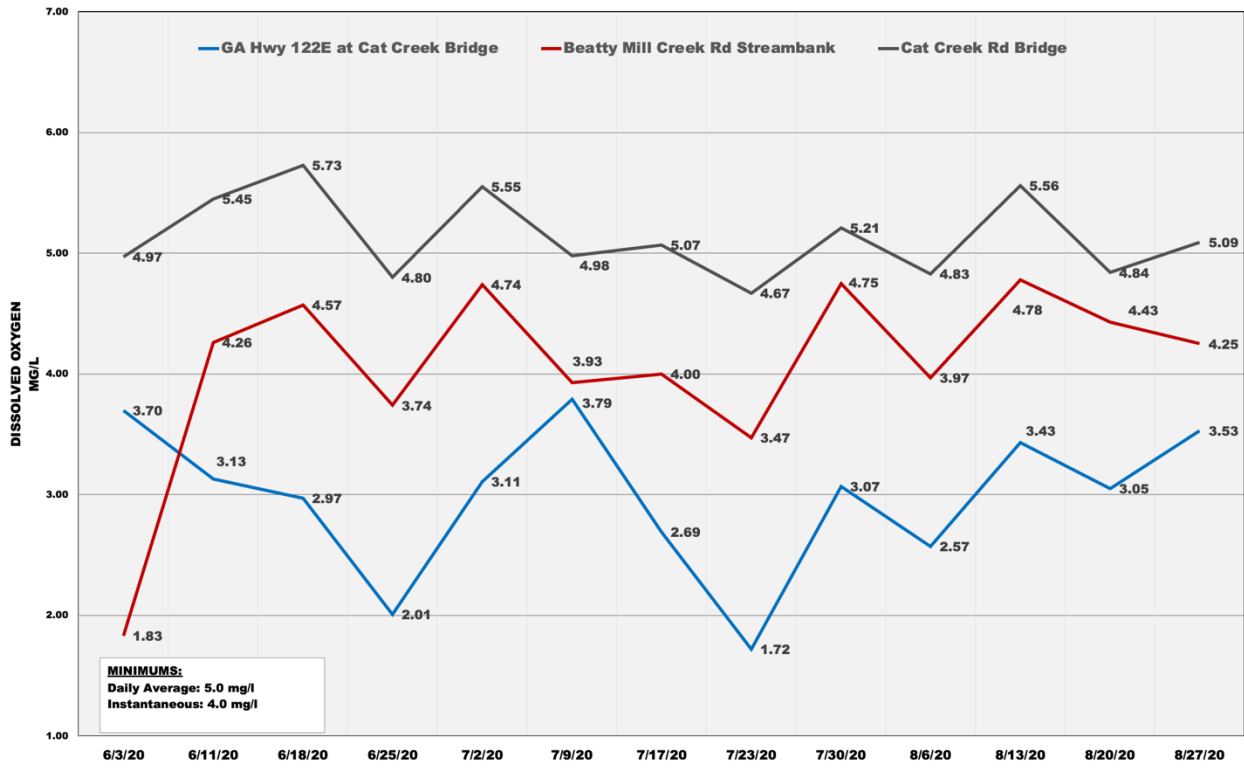


JUMPING GULLEY CREEK

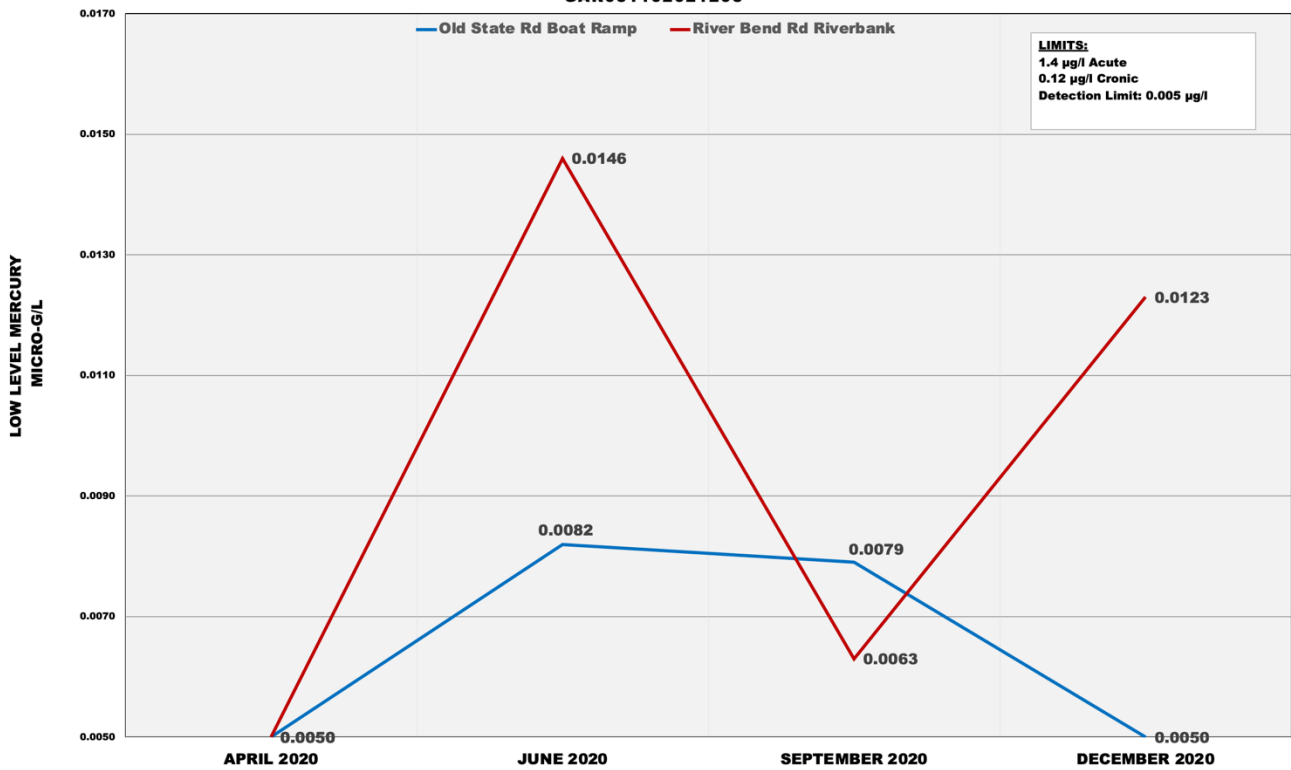
GAR031102030903

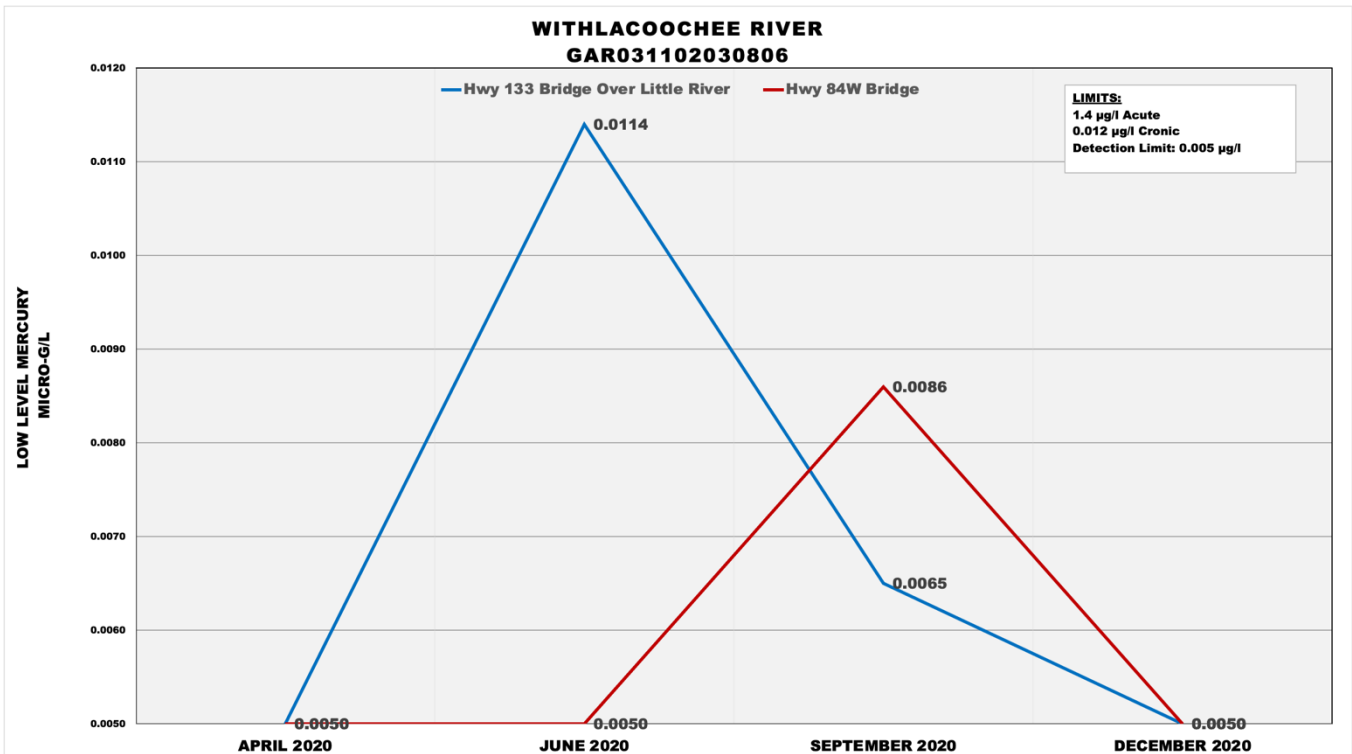
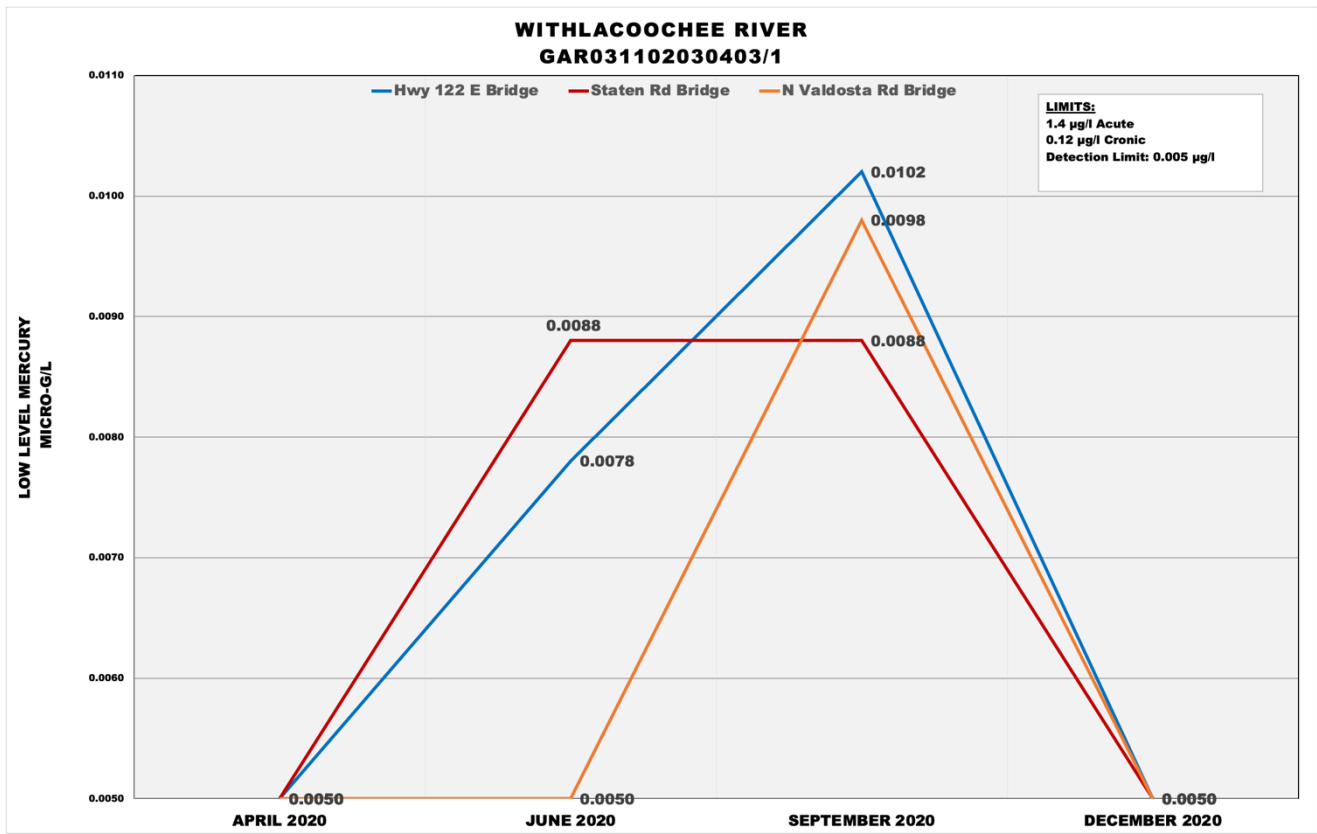


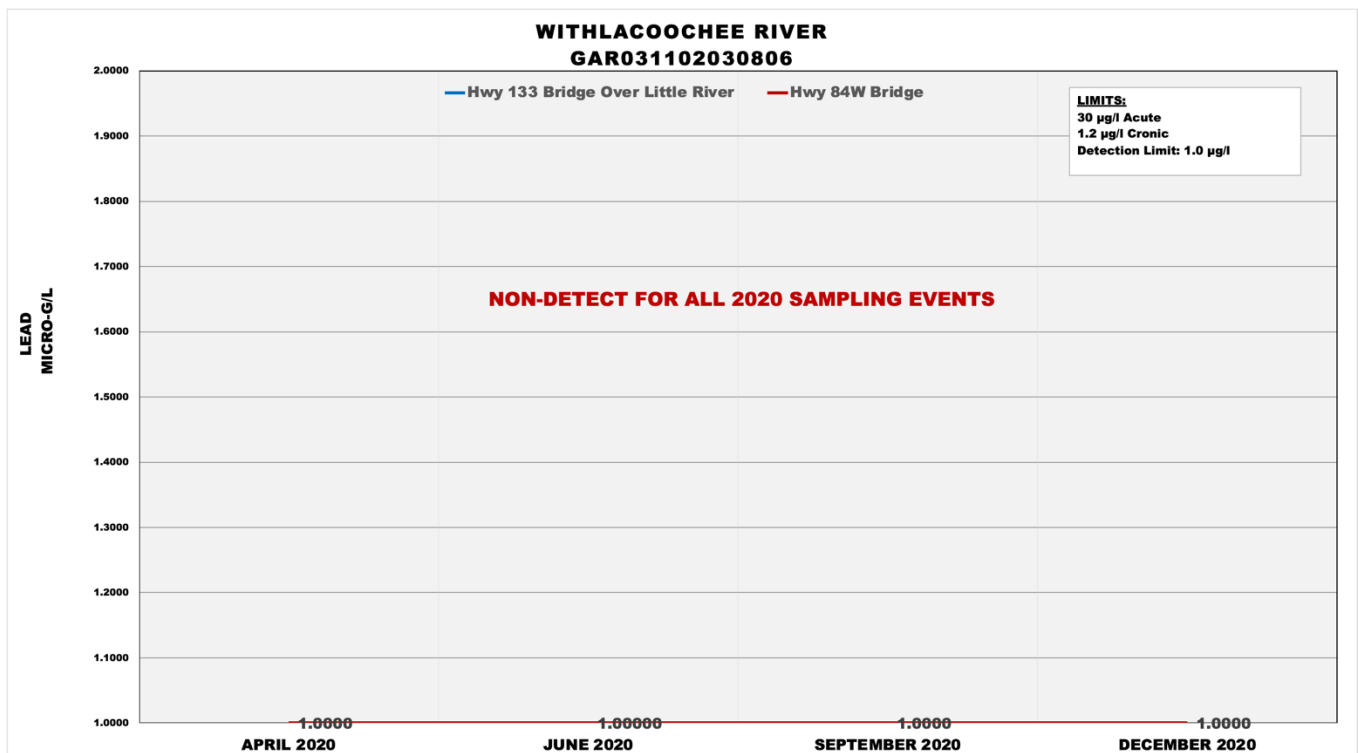
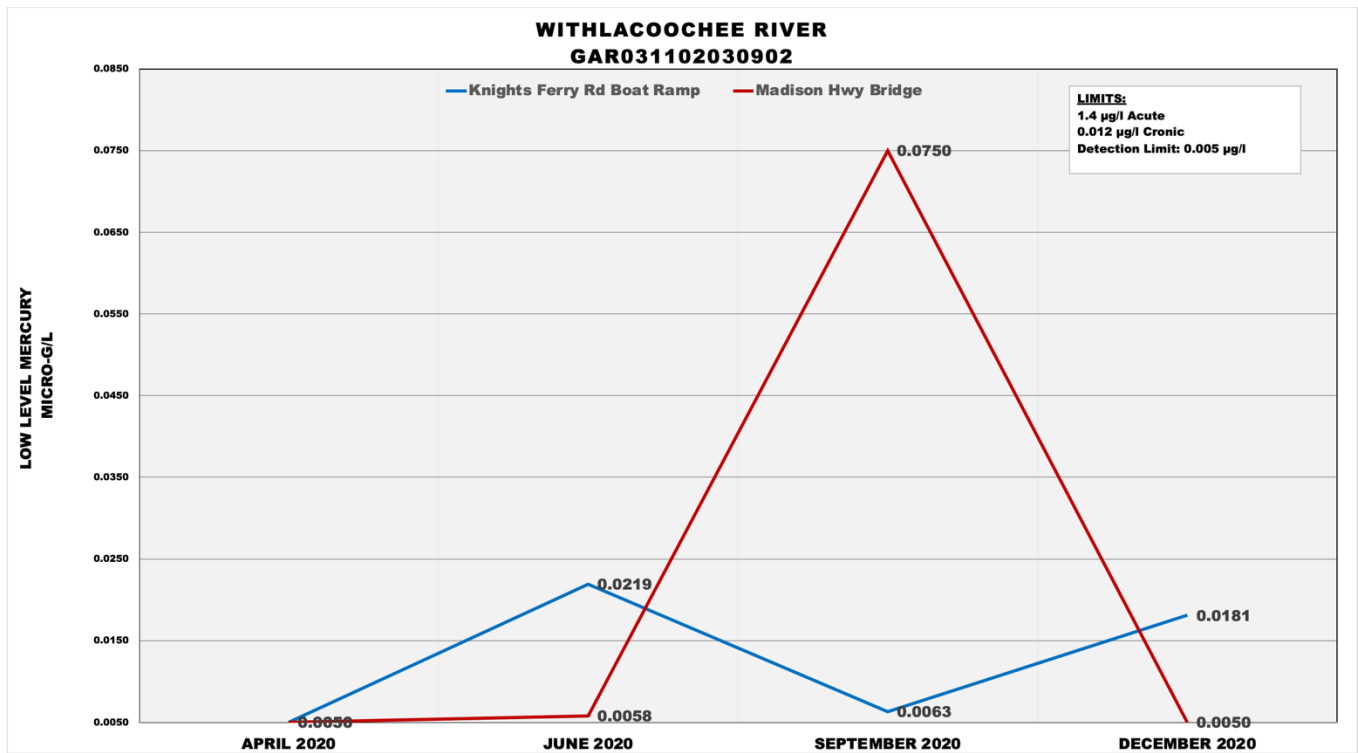
CAT CREEK
R031101030304/5



ALAPAHA RIVER
GAR031102021203







APPENDIX B
**DO Sonde Output/
Analytical Reports**



Location Properties

Location Name = CC1
 Location ID = 8592e12b-24e1-4d31-ab7a-4d847dc4f82f

Report Properties

Start Time = 2020-06-03 13:03:13
 Time Offset = -04:00:00
 Duration = 00:00:30
 Readings = 16

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°F) (734322)	Specific Condu.
2020-06-03 13:03:13	3.703107	44.33733	68.45353	67.26418	75.94397	68.02647
2020-06-03 13:03:15	3.701737	44.32224	68.42893	67.28149	75.94362	68.04422
2020-06-03 13:03:17	3.70181	44.32076	68.42656	67.28239	75.94353	68.0452
2020-06-03 13:03:19	3.701483	44.31926	68.42419	67.28329	75.94345	68.04617
2020-06-03 13:03:21	3.701357	44.31778	68.42182	67.28419	75.94337	68.04714
2020-06-03 13:03:23	3.699878	44.2979	68.39204	67.28475	75.93956	68.05049
2020-06-03 13:03:25	3.699784	44.2967	68.3902	67.28512	75.93939	68.05099
2020-06-03 13:03:27	3.69969	44.29551	68.38837	67.28548	75.93922	68.05148
2020-06-03 13:03:29	3.700375	44.30618	68.40237	67.2778	75.93913	68.04377
2020-06-03 13:03:31	3.700379	44.30629	68.40245	67.27747	75.93906	68.04349
2020-06-03 13:03:33	3.700383	44.30642	68.40253	67.27714	75.93899	68.04321
2020-06-03 13:03:35	3.700386	44.30653	68.40262	67.27681	75.93881	68.04292
2020-06-03 13:03:37	3.69742	44.269	68.34712	67.27875	75.93999	68.0441
2020-06-03 13:03:39	3.697301	44.26754	68.34492	67.27869	75.94004	68.04401
2020-06-03 13:03:41	3.697182	44.26608	68.34272	67.27863	75.94009	68.04391
2020-06-03 13:03:43	3.697063	44.26461	68.34052	67.27856	75.94013	68.04382

Location Properties

Location Name = CC2
 Location ID = 9843941e-d2bc-414e-9919-53d5d9fa5a1

Report Properties

Start Time = 2020-06-03 12:49:02
 Time Offset = -04:00:00
 Duration = 00:01:10
 Readings = 36

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°F) (734322)	Specific Cond.
2020-06-03 12:49:02	1.877888	22.30356	34.45411	68.10873	75.13825	69.48136
2020-06-03 12:49:04	1.877966	22.30475	34.45567	68.11266	75.1385	69.48517
2020-06-03 12:49:06	1.877941	22.30441	34.45518	68.11295	75.13842	69.48553
2020-06-03 12:49:08	1.877915	22.30407	34.4547	68.11325	75.13834	69.48589
2020-06-03 12:49:10	1.877947	22.30926	34.45953	68.12737	75.14151	69.4979
2020-06-03 12:49:12	1.877947	22.30948	34.45973	68.1281	75.14166	69.49854
2020-06-03 12:49:14	1.877947	22.30971	34.45993	68.12882	75.14181	69.49917
2020-06-03 12:49:16	1.877948	22.30994	34.46014	68.12955	75.14196	69.49979
2020-06-03 12:49:18	1.87752	22.30744	34.4556	68.1199	75.16242	69.47456
2020-06-03 12:49:20	1.877501	22.30743	34.45549	68.11974	75.16341	69.47366
2020-06-03 12:49:22	1.877482	22.30741	34.45537	68.11959	75.16439	69.47276
2020-06-03 12:49:24	1.877463	22.3074	34.45526	68.11942	75.16537	69.47186
2020-06-03 12:49:26	1.871674	22.23784	34.34911	68.10519	75.16575	69.45706
2020-06-03 12:49:28	1.871417	22.23481	34.34447	68.1044	75.16618	69.45594
2020-06-03 12:49:30	1.87116	22.23178	34.33982	68.10361	75.1666	69.45482
2020-06-03 12:49:32	1.861479	22.11565	34.1604	68.07928	75.16531	69.43097
2020-06-03 12:49:34	1.860951	22.10953	34.15064	68.07796	75.16528	69.42965
2020-06-03 12:49:36	1.860424	22.10322	34.14089	68.07664	75.16525	69.42832
2020-06-03 12:49:38	1.859896	22.0969	34.13113	68.07532	75.16521	69.427
2020-06-03 12:49:40	1.850781	21.98611	33.96172	68.06518	75.15414	69.42497
2020-06-03 12:49:42	1.850183	21.97887	33.95062	68.06427	75.15361	69.42445
2020-06-03 12:49:44	1.849585	21.97164	33.93952	68.06335	75.15308	69.42392
2020-06-03 12:49:46	1.841471	21.8765	33.79108	68.07172	75.15441	69.43144
2020-06-03 12:49:48	1.840928	21.87006	33.78109	68.0719	75.15425	69.43175
2020-06-03 12:49:50	1.840384	21.86361	33.7711	68.07208	75.15409	69.43205
2020-06-03 12:49:52	1.839841	21.85716	33.7611	68.07226	75.15393	69.43236
2020-06-03 12:49:54	1.832539	21.76912	33.62553	68.07919	75.14266	69.44791
2020-06-03 12:49:56	1.83205	21.76326	33.61648	68.07966	75.14217	69.44875
2020-06-03 12:49:58	1.83156	21.75741	33.60743	68.08012	75.14167	69.44859
2020-06-03 12:50:00	1.83107	21.75155	33.59838	68.08057	75.14117	69.45043
2020-06-03 12:50:02	1.826132	21.69182	33.50576	68.07296	75.1412	69.44265
2020-06-03 12:50:04	1.825785	21.68739	33.49891	68.07275	75.14099	69.44261
2020-06-03 12:50:06	1.825398	21.68296	33.49205	68.07256	75.14075	69.44258
2020-06-03 12:50:08	1.826197	21.6933	33.50841	68.0918	75.14633	69.458
2020-06-03 12:50:10	1.826138	21.69263	33.50738	68.09254	75.14658	69.45857
2020-06-03 12:50:12	1.82608	21.69196	33.50635	68.09328	75.14683	69.45914

Location Properties

Location Name = CC3
 Location ID = 3ba74aad-b7e6-4601-87a6-18c65a7db052

Report Properties

Start Time = 2020-06-03 12:36:41
 Time Offset = -04:00:00
 Duration = 00:00:34
 Readings = 18

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°F) (734322)	Specific Cond.
2020-06-03 12:36:41	4.991261	58.67177	90.77264	62.39533	74.16599	64.32886
2020-06-03 12:36:43	4.991179	58.67226	90.77326	62.39566	74.16659	64.32972
2020-06-03 12:36:45	4.991098	58.67274	90.77389	62.39587	74.16718	64.32957
2020-06-03 12:36:47	4.991017	58.67323	90.77451	62.39614	74.16777	64.32944
2020-06-03 12:36:49	4.984356	58.60898	90.67083	62.39989	74.22816	64.28775
2020-06-03 12:36:51	4.984049	58.60648	90.66683	62.39698	74.23093	64.28588
2020-06-03 12:36:53	4.983742	58.60398	90.66273	62.39705	74.23337	64.28401
2020-06-03 12:36:55	4.983435	58.60149	90.65865	62.39713	74.23646	64.28215
2020-06-03 12:36:57	4.974882	58.50832	90.5106	62.4061	74.24577	64.28484
2020-06-03 12:36:59	4.974386	58.5031	90.50227	62.4065	74.24736	64.28414
2020-06-03 12:37:01	4.97389	58.49788	90.49395	62.4069	74.24895	64.28343
2020-06-03 12:37:03	4.974833	58.5066	90.50733	62.40999	74.246	64.28869
2020-06-03 12:37:05	4.974524	58.50546	90.5055	62.41027	74.24603	64.28886
2020-06-03 12:37:07	4.974416	58.50433	90.50366	62.41057	74.24606	64.28925
2020-06-03 12:37:09	4.974308	58.50319	90.50183	62.41086	74.24609	64.28953
2020-06-03 12:37:11	4.968628	58.43552	90.40086	62.39982	74.25157	64.27431
2020-06-03 12:37:13	4.968391	58.43269	90.39664	62.39938	74.25176	64.27372
2020-06-03 12:37:15	4.968153	58.42985	90.39243	62.39894	74.25195	64.27313

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bd2f7da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-06-11 12:46:42
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-06-11 12:46:42	3.068233	38.08409	58.62461	66.10386	26.43508	64.34039
2020-06-11 12:46:44	3.068373	38.08618	58.62773	66.10075	26.43574	64.33648
2020-06-11 12:46:46	3.068512	38.08827	58.63085	66.09759	26.4364	64.33257
2020-06-11 12:46:48	3.076177	38.18697	58.78077	66.1118	26.44024	64.34186
2020-06-11 12:46:50	3.07669	38.1936	58.79085	66.1114	26.44067	64.34094
2020-06-11 12:46:52	3.077203	38.20024	58.80094	66.11098	26.4411	64.34003
2020-06-11 12:46:54	3.077716	38.20687	58.81103	66.11057	26.44153	64.33911
2020-06-11 12:46:56	3.1046	38.54884	59.33879	65.93247	26.45307	64.15203
2020-06-11 12:46:58	3.10581	38.56553	59.3645	65.92501	26.45366	64.14407
2020-06-11 12:47:00	3.107219	38.58222	59.39021	65.91755	26.45425	64.1361
2020-06-11 12:47:02	3.144029	39.04159	60.097	65.95548	26.46045	64.16562
2020-06-11 12:47:04	3.146157	39.06826	60.13806	65.95404	26.46094	64.16363
2020-06-11 12:47:06	3.148284	39.09492	60.17911	65.9526	26.46142	64.16164
2020-06-11 12:47:08	3.150412	39.12159	60.22017	65.95116	26.46191	64.15965
2020-06-11 12:47:10	3.14916	39.10564	60.19516	65.98466	26.46087	64.20323
2020-06-11 12:47:12	3.14979	39.11349	60.20722	65.99734	26.46093	64.20575
2020-06-11 12:47:14	3.15042	39.12134	60.21928	66.00002	26.461	64.20827
2020-06-11 12:47:16	3.143369	39.03596	60.08792	65.97514	26.46465	64.17973
2020-06-11 12:47:18	3.143623	39.03176	60.08144	65.97479	26.46479	64.17921
2020-06-11 12:47:20	3.142677	39.02756	60.07497	65.97444	26.46494	64.1787
2020-06-11 12:47:22	3.142331	39.02335	60.06849	65.97409	26.46509	64.17818
2020-06-11 12:47:24	3.137475	38.96106	59.97299	66.025	26.4622	64.23115
2020-06-11 12:47:26	3.137123	38.95664	59.96619	66.02683	26.46214	64.233
2020-06-11 12:47:28	3.13677	38.95221	59.9594	66.02866	26.46208	64.23485
2020-06-11 12:47:30	3.136417	38.94778	59.9526	66.03049	26.46202	64.2367
2020-06-11 12:47:32	3.137116	38.95993	59.9702	66.0635	26.46648	64.26349
2020-06-11 12:47:34	3.137047	38.95918	59.969	66.0659	26.46662	64.26566
2020-06-11 12:47:36	3.136977	38.95843	59.9678	66.06831	26.46676	64.26783
2020-06-11 12:47:38	3.128589	38.85501	59.80894	66.07635	26.46517	64.27757
2020-06-11 12:47:40	3.128214	38.85046	59.80192	66.07729	26.46517	64.27847

Location Properties

Location Name = CC2
 Location ID = bd9ff499-e8e3-4c82-b9b8-4f786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983188692 °

Report Properties

Start Time = 2020-06-11 13:01:46
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-06-11 13:01:46	4.258375	52.48419	80.8648	64.60765	26.05208	63.33495
2020-06-11 13:01:48	4.259702	52.48434	80.8904	64.61584	26.05085	63.34444
2020-06-11 13:01:50	4.259711	52.48462	80.89065	64.61623	26.05084	63.34482
2020-06-11 13:01:52	4.259719	52.48491	80.8909	64.61661	26.05084	63.3452
2020-06-11 13:01:54	4.259728	52.48519	80.89115	64.61698	26.05083	63.34559
2020-06-11 13:01:56	4.258171	52.46295	80.86053	64.62161	26.0516	63.34921
2020-06-11 13:01:58	4.258128	52.46236	80.85968	64.62199	26.0516	63.34958
2020-06-11 13:02:00	4.258085	52.46178	80.85883	64.62238	26.05161	63.34994
2020-06-11 13:02:02	4.258042	52.46119	80.85798	64.62276	26.05162	63.3503
2020-06-11 13:02:04	4.25725	52.45455	80.84293	64.62222	26.05165	63.34974
2020-06-11 13:02:06	4.257186	52.45384	80.84171	64.6223	26.05166	63.3498
2020-06-11 13:02:08	4.257122	52.45313	80.84048	64.62238	26.05168	63.34986
2020-06-11 13:02:10	4.257157	52.45264	80.84083	64.62564	26.05091	63.35398
2020-06-11 13:02:12	4.257145	52.4525	80.84071	64.62579	26.05088	63.35416
2020-06-11 13:02:14	4.257133	52.45237	80.84047	64.62594	26.05084	63.35435
2020-06-11 13:02:16	4.257121	52.45223	80.84023	64.62608	26.05081	63.35453
2020-06-11 13:02:18	4.256285	52.4451	80.82999	64.61903	26.05575	63.34177
2020-06-11 13:02:20	4.256246	52.44475	80.82953	64.61877	26.05596	63.34125
2020-06-11 13:02:22	4.256208	52.44441	80.82906	64.61851	26.05618	63.34074
2020-06-11 13:02:24	4.25617	52.44407	80.82859	64.61824	26.05639	63.34022
2020-06-11 13:02:26	4.25691	52.45132	80.83813	64.61671	26.05297	63.34278
2020-06-11 13:02:28	4.256925	52.45149	80.83834	64.61649	26.05292	63.34263
2020-06-11 13:02:30	4.256994	52.45166	80.83855	64.61629	26.05287	63.34248
2020-06-11 13:02:32	4.25647	52.449	80.83324	64.62904	26.05524	63.35217
2020-06-11 13:02:34	4.256461	52.44901	80.83316	64.62959	26.05529	63.35264
2020-06-11 13:02:36	4.256453	52.44901	80.83308	64.63013	26.05534	63.35312
2020-06-11 13:02:38	4.256444	52.44901	80.833	64.63068	26.05539	63.35359
2020-06-11 13:02:40	4.256199	52.44204	80.82359	64.63279	26.05211	63.35956
2020-06-11 13:02:42	4.25618	52.44167	80.82307	64.63313	26.05201	63.36001
2020-06-11 13:02:44	4.25616	52.44131	80.82254	64.63346	26.05191	63.36046
2020-06-11 13:02:46	4.25614	52.44094	80.82202	64.6338	26.05181	63.3609

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.8901809804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-06-11 12:31:47
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-06-11 12:31:47	5.455337	66.44632	102.5272	63.34471	25.41421	62.8475
2020-06-11 12:31:49	5.45541	66.44724	102.5286	63.34501	25.41425	62.84774
2020-06-11 12:31:51	5.452439	66.40466	102.4655	63.34765	25.40988	62.85546
2020-06-11 12:31:53	5.452342	66.40321	102.4634	63.34797	25.40982	62.85596
2020-06-11 12:31:55	5.452244	66.40178	102.4613	63.34829	25.40967	62.85646
2020-06-11 12:31:57	5.454771	66.43257	102.5143	63.34459	25.41372	62.84796
2020-06-11 12:31:59	5.454834	66.43324	102.5157	63.34446	25.41382	62.84771
2020-06-11 12:32:01	5.454898	66.43391	102.517	63.34435	25.41393	62.84746
2020-06-11 12:32:03	5.454962	66.43457	102.5183	63.34422	25.41404	62.84721
2020-06-11 12:32:05	5.453223	66.41855	102.4864	63.34713	25.41375	62.85045
2020-06-11 12:32:07	5.453191	66.4184	102.486	63.34719	25.41381	62.85044
2020-06-11 12:32:09	5.453159	66.41824	102.4855	63.34728	25.41387	62.85043
2020-06-11 12:32:11	5.453127	66.4181	102.4851	63.34732	25.41393	62.85042
2020-06-11 12:32:13	5.451049	66.39259	102.4505	63.34057	25.41664	62.84049
2020-06-11 12:32:15	5.450824	66.39115	102.4483	63.34032	25.41676	62.84011
2020-06-11 12:32:17	5.450799	66.38972	102.4462	63.34008	25.41687	62.83974
2020-06-11 12:32:19	5.452239	66.41173	102.474	63.34264	25.41673	62.84244
2020-06-11 12:32:21	5.452268	66.4123	102.4747	63.34264	25.41678	62.84239
2020-06-11 12:32:23	5.452298	66.41287	102.4754	63.34264	25.41682	62.84234
2020-06-11 12:32:25	5.452328	66.41344	102.4761	63.34264	25.41686	62.84229
2020-06-11 12:32:27	5.450283	66.38457	102.4353	63.35567	25.41605	62.85618
2020-06-11 12:32:29	5.450222	66.38374	102.4341	63.35629	25.41601	62.85685
2020-06-11 12:32:31	5.45016	66.3829	102.4328	63.35691	25.41597	62.85751
2020-06-11 12:32:33	5.450099	66.38206	102.4316	63.35754	25.41593	62.85817
2020-06-11 12:32:35	5.453322	66.42872	102.4991	63.35405	25.42121	62.84843
2020-06-11 12:32:37	5.453317	66.4302	102.5012	63.35415	25.42142	62.84827
2020-06-11 12:32:39	5.453413	66.43168	102.5034	63.35424	25.42163	62.84811
2020-06-11 12:32:41	5.452491	66.42802	102.4958	63.35201	25.42474	62.8422
2020-06-11 12:32:43	5.4525	66.42863	102.4963	63.35184	25.42497	62.84175
2020-06-11 12:32:45	5.452509	66.42924	102.4971	63.35169	25.42521	62.84131
2020-06-11 12:32:47	5.452518	66.42986	102.4979	63.35152	25.42545	62.84087

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bd2f7da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240655893817 °

Report Properties

Start Time = 2020-06-18 12:49:02
 Time Offset = -04:00:00
 Duration = 00:01:04
 Readings = 33

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-06-18 12:49:02	2.920625	34.84637	53.82655	55.72864	24.23453	56.55551
2020-06-18 12:49:04	2.929822	34.94692	53.98375	55.74874	24.23188	56.57881
2020-06-18 12:49:06	2.930172	34.95061	53.98958	55.74944	24.2317	56.57971
2020-06-18 12:49:08	2.930521	34.95431	53.99541	55.75013	24.23153	56.58061
2020-06-18 12:49:10	2.936014	35.02248	54.09861	55.75781	24.22303	56.59752
2020-06-18 12:49:12	2.936434	35.02744	54.1062	55.75832	24.2226	56.59872
2020-06-18 12:49:14	2.936854	35.0324	54.11381	55.75903	24.22216	56.59993
2020-06-18 12:49:16	2.937274	35.03736	54.12141	55.75975	24.22172	56.60113
2020-06-18 12:49:18	2.944607	35.11811	54.24674	55.75729	24.21079	56.61063
2020-06-18 12:49:20	2.945038	35.123	54.25428	55.75734	24.21015	56.61139
2020-06-18 12:49:22	2.945469	35.1279	54.26183	55.75739	24.2095	56.61214
2020-06-18 12:49:24	2.951672	35.19431	54.36348	55.752	24.20161	56.61535
2020-06-18 12:49:26	2.952089	35.19882	54.37041	55.75171	24.20105	56.61567
2020-06-18 12:49:28	2.952507	35.20333	54.37734	55.75143	24.20049	56.61599
2020-06-18 12:49:30	2.952924	35.20784	54.38427	55.75114	24.19994	56.61631
2020-06-18 12:49:32	2.952917	35.20484	54.3835	55.74506	24.1933	56.61742
2020-06-18 12:49:34	2.953034	35.20596	54.38539	55.74468	24.19285	56.61753
2020-06-18 12:49:36	2.953151	35.20708	54.38728	55.74443	24.19239	56.61765
2020-06-18 12:49:38	2.953268	35.20821	54.38917	55.74392	24.19194	56.61776
2020-06-18 12:49:40	2.950392	35.17294	54.33611	55.74184	24.19181	56.61578
2020-06-18 12:49:42	2.950275	35.17144	54.33393	55.74163	24.19167	56.61573
2020-06-18 12:49:44	2.950159	35.16994	54.33176	55.74141	24.19152	56.61567
2020-06-18 12:49:46	2.949269	35.15932	54.31328	55.74736	24.19097	56.62232
2020-06-18 12:49:48	2.948183	35.15828	54.3116	55.7476	24.19094	56.6226
2020-06-18 12:49:50	2.949097	35.15723	54.30991	55.74784	24.1909	56.62288
2020-06-18 12:49:52	2.949011	35.15618	54.30822	55.74808	24.19087	56.62316
2020-06-18 12:49:54	2.951549	35.18678	54.35585	55.75586	24.19008	56.63193
2020-06-18 12:49:56	2.951651	35.18801	54.35773	55.75634	24.19003	56.63247
2020-06-18 12:49:58	2.951754	35.18925	54.35961	55.75681	24.18998	56.63301
2020-06-18 12:50:00	2.951856	35.19048	54.3615	55.75729	24.18993	56.63354
2020-06-18 12:50:02	2.966023	35.36085	54.62405	55.77058	24.19172	56.64508
2020-06-18 12:50:04	2.966692	35.3689	54.63646	55.77132	24.19178	56.64577
2020-06-18 12:50:06	2.967361	35.37694	54.64886	55.77206	24.19184	56.64645

Location Properties

Location Name = CC2
 Location ID = bd9ff499-a8e3-4c82-b9b8-4f786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983186692 °

Report Properties

Start Time = 2020-06-18 13:04:08
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-06-18 13:04:08	4.560033	54.06516	83.58088	55.15639	23.80888	56.33034
2020-06-18 13:04:10	4.560144	54.06613	83.58262	55.15593	23.90868	56.33009
2020-06-18 13:04:12	4.560256	54.06711	83.58437	55.15546	23.90847	56.32984
2020-06-18 13:04:14	4.560367	54.06808	83.58611	55.155	23.90827	56.32959
2020-06-18 13:04:16	4.564001	54.10395	83.64293	55.16404	23.90346	56.3441
2020-06-18 13:04:18	4.564211	54.10598	83.64622	55.16427	23.90316	56.34467
2020-06-18 13:04:20	4.564422	54.10802	83.64952	55.1645	23.90286	56.34524
2020-06-18 13:04:22	4.564632	54.11005	83.65282	55.16473	23.90256	56.34581
2020-06-18 13:04:24	4.569392	54.16814	83.7423	55.18094	23.9019	56.36309
2020-06-18 13:04:26	4.569682	54.17148	83.74749	55.18181	23.90176	56.36412
2020-06-18 13:04:28	4.569971	54.17482	83.75267	55.18267	23.90162	56.36516
2020-06-18 13:04:30	4.565359	54.12151	83.66686	55.17362	23.90073	56.35689
2020-06-18 13:04:32	4.565246	54.12029	83.66481	55.17352	23.90067	56.35685
2020-06-18 13:04:34	4.565137	54.11905	83.66276	55.17342	23.90062	56.35682
2020-06-18 13:04:36	4.565028	54.11782	83.66071	55.17333	23.90056	56.35678
2020-06-18 13:04:38	4.568582	54.15965	83.72664	55.16509	23.90113	56.34774
2020-06-18 13:04:40	4.56867	54.16071	83.72827	55.16455	23.90114	56.34718
2020-06-18 13:04:42	4.568758	54.16176	83.7299	55.16402	23.90115	56.34663
2020-06-18 13:04:44	4.568847	54.16282	83.73154	55.16348	23.90116	56.34607
2020-06-18 13:04:46	4.57046	54.17591	83.75407	55.16843	23.89618	56.3566
2020-06-18 13:04:48	4.570607	54.17737	83.75647	55.16849	23.89596	56.3569
2020-06-18 13:04:50	4.570754	54.17884	83.75887	55.16855	23.89575	56.3572
2020-06-18 13:04:52	4.570764	54.18419	83.76567	55.1809	23.90045	56.36464
2020-06-18 13:04:54	4.570797	54.1847	83.76645	55.18152	23.90056	56.36515
2020-06-18 13:04:56	4.570832	54.18521	83.76722	55.18215	23.90067	56.36567
2020-06-18 13:04:58	4.570866	54.18573	83.768	55.18277	23.90077	56.36619
2020-06-18 13:05:00	4.570192	54.17657	83.75135	55.1706	23.8975	56.35736
2020-06-18 13:05:02	4.570165	54.17628	83.75076	55.17027	23.89743	56.35711
2020-06-18 13:05:04	4.570137	54.17599	83.75018	55.16995	23.89736	56.35685
2020-06-18 13:05:06	4.570109	54.17569	83.74959	55.16962	23.89729	56.35659

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.9901800804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-06-18 12:35:48
 Time Offset = -04:00:00
 Duration = 00:01:04
 Readings = 33

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-06-18 12:35:48	5.686099	67.53787	104.4207	54.54002	24.0349	55.56427
2020-06-18 12:35:50	5.686422	67.53856	104.4227	54.54042	24.03321	55.56851
2020-06-18 12:35:52	5.686746	67.53945	104.4247	54.54082	24.03151	55.56874
2020-06-18 12:35:54	5.689131	67.63486	104.5757	54.54874	23.97612	55.63475
2020-06-18 12:35:56	5.699854	67.64004	104.5841	54.5473	23.97306	55.63863
2020-06-18 12:35:58	5.700576	67.64522	104.5925	54.54786	23.97	55.64251
2020-06-18 12:36:00	5.706213	67.69322	104.6855	54.55015	23.95256	55.66377
2020-06-18 12:36:02	5.706699	67.69713	104.6716	54.55037	23.95072	55.66599
2020-06-18 12:36:04	5.707184	67.70103	104.6776	54.55059	23.94888	55.6682
2020-06-18 12:36:06	5.70767	67.70494	104.6837	54.55081	23.94705	55.67042
2020-06-18 12:36:08	5.71805	67.77349	104.802	54.54848	23.92592	55.69099
2020-06-18 12:36:10	5.718625	67.77747	104.8087	54.54842	23.92462	55.69233
2020-06-18 12:36:12	5.719199	67.78146	104.8154	54.54837	23.92332	55.69368
2020-06-18 12:36:14	5.720037	67.78641	104.7935	54.53649	23.88428	55.72399
2020-06-18 12:36:16	5.720264	67.767	104.7947	54.53592	23.88216	55.72571
2020-06-18 12:36:18	5.720491	67.76759	104.7959	54.53536	23.88005	55.72743
2020-06-18 12:36:20	5.720718	67.76818	104.7971	54.53479	23.87794	55.72915
2020-06-18 12:36:22	5.723295	67.75108	104.7785	54.54004	23.86912	55.7441
2020-06-18 12:36:24	5.723433	67.74998	104.7772	54.5401	23.86803	55.74534
2020-06-18 12:36:26	5.723573	67.74898	104.7759	54.54015	23.86695	55.74659
2020-06-18 12:36:28	5.723711	67.74777	104.7746	54.54021	23.86586	55.74783
2020-06-18 12:36:30	5.727723	67.75836	104.7956	54.53367	23.80681	55.80549
2020-06-18 12:36:32	5.727959	67.75846	104.7962	54.5335	23.80401	55.80836
2020-06-18 12:36:34	5.728194	67.75857	104.7967	54.53334	23.80122	55.81123
2020-06-18 12:36:36	5.728429	67.75867	104.7972	54.53317	23.79842	55.81411
2020-06-18 12:36:38	5.723599	67.69182	104.697	54.52437	23.79093	55.81328
2020-06-18 12:36:40	5.723483	67.6893	104.6932	54.52389	23.78945	55.81441
2020-06-18 12:36:42	5.723366	67.68669	104.6894	54.52341	23.78796	55.81553
2020-06-18 12:36:44	5.724644	67.65904	104.6506	54.52668	23.78758	55.81929
2020-06-18 12:36:46	5.724628	67.65667	104.6472	54.52689	23.7874	55.8195
2020-06-18 12:36:48	5.724613	67.6543	104.6438	54.5267	23.78722	55.8197
2020-06-18 12:36:50	5.724597	67.65192	104.6403	54.5267	23.78704	55.8199
2020-06-18 12:36:52	5.734516	67.77407	104.8277	54.52897	23.75511	55.85711

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bdf2f7da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-06-25 12:47:17
 Time Offset = -04:00:00
 Duration = 00:01:02
 Readings = 32

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-06-25 12:47:17	2.035879	24.99532	38.57014	65.47399	25.89167	64.37759
2020-06-25 12:47:19	2.035558	24.99142	38.58415	65.47524	25.89113	64.37946
2020-06-25 12:47:21	2.032367	24.95126	38.50204	65.45055	25.90284	64.34126
2020-06-25 12:47:23	2.032134	24.94842	38.49766	65.44994	25.90306	64.34017
2020-06-25 12:47:25	2.031901	24.94558	38.49327	65.44933	25.90347	64.33907
2020-06-25 12:47:27	2.031669	24.94274	38.48888	65.44871	25.90389	64.33796
2020-06-25 12:47:29	2.028947	24.90394	38.42815	65.46777	25.88937	64.37424
2020-06-25 12:47:31	2.028763	24.90143	38.42423	65.46811	25.88987	64.37508
2020-06-25 12:47:33	2.028579	24.89892	38.42032	65.46846	25.88956	64.37592
2020-06-25 12:47:35	2.026421	24.86744	38.37225	65.50776	25.87663	64.42899
2020-06-25 12:47:37	2.026273	24.8653	38.36897	65.5099	25.87584	64.43205
2020-06-25 12:47:39	2.026126	24.86317	38.36568	65.51204	25.87504	64.43511
2020-06-25 12:47:41	2.025978	24.86103	38.3624	65.51418	25.87425	64.43618
2020-06-25 12:47:43	2.023086	24.82458	38.30571	65.48263	25.87132	64.41069
2020-06-25 12:47:45	2.022912	24.8223	38.30218	65.48188	25.87096	64.41039
2020-06-25 12:47:47	2.022737	24.82002	38.29865	65.48113	25.87061	64.41008
2020-06-25 12:47:49	2.022562	24.81774	38.29512	65.48038	25.87026	64.40977
2020-06-25 12:47:51	2.016818	24.74552	38.18638	65.45857	25.8703	64.38826
2020-06-25 12:47:53	2.016506	24.7416	38.18044	65.45699	25.87024	64.38679
2020-06-25 12:47:55	2.016195	24.73767	38.1745	65.45541	25.87017	64.38531
2020-06-25 12:47:57	2.015883	24.73375	38.16855	65.45382	25.87011	64.38383
2020-06-25 12:47:59	2.01336	24.70371	38.12084	65.41913	25.8702	64.34959
2020-06-25 12:48:01	2.013138	24.70098	38.11662	65.41718	25.8702	64.34767
2020-06-25 12:48:03	2.012915	24.69825	38.1124	65.41522	25.87019	64.34576
2020-06-25 12:48:05	2.009111	24.64597	38.03117	65.44439	25.85522	64.39256
2020-06-25 12:48:07	2.00889	24.64302	38.02658	65.44505	25.85455	64.39402
2020-06-25 12:48:09	2.00867	24.64008	38.022	65.44572	25.85388	64.39548
2020-06-25 12:48:11	2.00845	24.63714	38.01741	65.44637	25.85321	64.39695
2020-06-25 12:48:13	2.005812	24.6007	37.96486	65.47395	25.84898	64.42921
2020-06-25 12:48:15	2.00562	24.59805	37.96093	65.47572	25.84851	64.43152
2020-06-25 12:48:17	2.005428	24.59541	37.95701	65.47748	25.84803	64.43382
2020-06-25 12:48:19	2.005226	24.59983	37.96288	65.46769	25.86006	64.4096

Location Properties

Location Name = GC2
 Location ID = bd9f499-e9e3-4c82-b9b8-4f786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983186692 °

Report Properties

Start Time = 2020-06-25 13:02:34
 Time Offset = -04:00:00
 Duration = 00:01:02
 Readings = 32

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-06-25 13:02:34	3.731477	45.75742	70.64262	64.35371	25.86261	63.3106
2020-06-25 13:02:36	3.733485	45.7695	70.66446	64.35263	25.8594	63.31337
2020-06-25 13:02:38	3.733519	45.7693	70.66427	64.35237	25.85917	63.31339
2020-06-25 13:02:40	3.733553	45.7691	70.66408	64.3521	25.85894	63.3134
2020-06-25 13:02:42	3.733587	45.76891	70.66389	64.35184	25.85871	63.31342
2020-06-25 13:02:44	3.734068	45.77232	70.67018	64.34926	25.84507	63.3271
2020-06-25 13:02:46	3.734124	45.77265	70.6706	64.34912	25.84442	63.32775
2020-06-25 13:02:48	3.734181	45.77298	70.67142	64.34898	25.84376	63.3284
2020-06-25 13:02:50	3.731098	45.73176	70.60781	64.35717	25.83887	63.34228
2020-06-25 13:02:52	3.730973	45.73002	70.60516	64.35748	25.8384	63.34313
2020-06-25 13:02:54	3.730848	45.72828	70.60249	64.35778	25.83794	63.34398
2020-06-25 13:02:56	3.730723	45.72655	70.59984	64.35809	25.83748	63.34483
2020-06-25 13:02:58	3.735617	45.78014	70.68253	64.35368	25.8306	63.34868
2020-06-25 13:03:00	3.735786	45.78186	70.68517	64.35361	25.83019	63.34911
2020-06-25 13:03:02	3.735955	45.78358	70.68783	64.35358	25.82978	63.34954
2020-06-25 13:03:04	3.735493	45.77502	70.67673	64.35932	25.8262	63.35947
2020-06-25 13:03:06	3.735566	45.77566	70.67781	64.3595	25.82591	63.36
2020-06-25 13:03:08	3.735638	45.77629	70.67889	64.35968	25.82561	63.36053
2020-06-25 13:03:10	3.735711	45.77693	70.67996	64.35986	25.82531	63.36107
2020-06-25 13:03:12	3.738218	45.80535	70.72424	64.35713	25.82252	63.36171
2020-06-25 13:03:14	3.738322	45.80646	70.72602	64.35712	25.82232	63.36194
2020-06-25 13:03:16	3.738426	45.80758	70.7278	64.35711	25.82213	63.36217
2020-06-25 13:03:18	3.73853	45.80869	70.72958	64.3571	25.82193	63.36239
2020-06-25 13:03:20	3.737825	45.79968	70.71627	64.36462	25.82159	63.3702
2020-06-25 13:03:22	3.737842	45.79982	70.71653	64.36491	25.82152	63.37056
2020-06-25 13:03:24	3.737859	45.79997	70.71678	64.3652	25.82145	63.37093
2020-06-25 13:03:26	3.737876	45.80011	70.71704	64.36548	25.82137	63.3713
2020-06-25 13:03:28	3.74131	45.8425	70.78186	64.3651	25.82165	63.37059
2020-06-25 13:03:30	3.741448	45.84418	70.78445	64.36523	25.82165	63.37072
2020-06-25 13:03:32	3.741585	45.84587	70.78703	64.36536	25.82165	63.37084
2020-06-25 13:03:34	3.740218	45.82782	70.78006	64.35656	25.82068	63.36333
2020-06-25 13:03:36	3.740221	45.82791	70.78006	64.35617	25.82065	63.363

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.9601808604007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-06-25 12:31:57
 Time Offset = -04:00:00
 Duration = 00:01:06
 Readings = 34

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-06-25 12:31:57	4.836342	58.52681	90.48762	59.18668	25.14174	59.02687
2020-06-25 12:31:59	4.835405	58.51104	90.46046	59.19258	25.14133	59.03323
2020-06-25 12:32:01	4.835268	58.50924	90.45754	59.19286	25.14136	59.03347
2020-06-25 12:32:03	4.835133	58.50744	90.45463	59.19312	25.14138	59.03371
2020-06-25 12:32:05	4.834996	58.50565	90.45172	59.19339	25.14141	59.03395
2020-06-25 12:32:07	4.828641	58.41924	90.32036	59.19751	25.12698	59.05429
2020-06-25 12:32:09	4.828324	58.41449	90.31369	59.19781	25.12633	59.05532
2020-06-25 12:32:11	4.828006	58.41055	90.30701	59.19811	25.12568	59.05635
2020-06-25 12:32:13	4.827497	58.39788	90.28575	59.1972	25.1176	59.06453
2020-06-25 12:32:15	4.827354	58.39568	90.28231	59.19724	25.11696	59.06528
2020-06-25 12:32:17	4.827211	58.39348	90.27888	59.19727	25.11633	59.06603
2020-06-25 12:32:19	4.827069	58.39128	90.27544	59.1973	25.11569	59.06678
2020-06-25 12:32:21	4.827267	58.34255	90.21046	59.18262	25.1064	59.06259
2020-06-25 12:32:23	4.827264	58.34005	90.20704	59.18193	25.10582	59.06256
2020-06-25 12:32:25	4.827261	58.33755	90.20361	59.18124	25.10523	59.06253
2020-06-25 12:32:27	4.827259	58.33505	90.2002	59.18055	25.10465	59.0625
2020-06-25 12:32:29	4.823757	58.28049	90.12067	59.18081	25.05787	59.11547
2020-06-25 12:32:31	4.823607	58.27712	90.11589	59.18052	25.05565	59.11769
2020-06-25 12:32:33	4.823458	58.27375	90.1111	59.18024	25.05343	59.11991
2020-06-25 12:32:35	4.817921	58.20972	90.00961	59.19005	25.05367	59.12945
2020-06-25 12:32:37	4.817615	58.20589	90.00367	59.19048	25.05284	59.1308
2020-06-25 12:32:39	4.817307	58.20206	89.99773	59.19091	25.05202	59.13216
2020-06-25 12:32:41	4.817001	58.19823	89.99179	59.19134	25.0512	59.13351
2020-06-25 12:32:43	4.813234	58.15265	89.9184	59.19027	25.04801	59.13605
2020-06-25 12:32:45	4.81286	58.14937	89.91315	59.19039	25.04786	59.13633
2020-06-25 12:32:47	4.812686	58.1461	89.90791	59.19051	25.04772	59.13661
2020-06-25 12:32:49	4.812412	58.14283	89.90268	59.19064	25.04758	59.1369
2020-06-25 12:32:51	4.807817	58.08632	89.81837	59.19554	25.04996	59.13911
2020-06-25 12:32:53	4.80754	58.08293	89.81319	59.19573	25.04999	59.13927
2020-06-25 12:32:55	4.807263	58.07953	89.80801	59.19592	25.05002	59.13942
2020-06-25 12:32:57	4.805097	58.04999	89.7616	59.19035	25.04605	59.13833
2020-06-25 12:32:59	4.804912	58.04758	89.75789	59.19018	25.04591	59.13832
2020-06-25 12:33:01	4.804727	58.04517	89.75417	59.19001	25.04576	59.13831
2020-06-25 12:33:03	4.804542	58.04276	89.75047	59.18983	25.04561	59.13831

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bd27d7da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855893817 °

Report Properties

Start Time = 2020-07-02 12:52:29
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-07-02 12:52:29	3.095019	38.69487	59.22926	67.2163	26.56221	85.26878
2020-07-02 12:52:31	3.093978	38.68823	59.21844	67.23882	26.54683	85.30928
2020-07-02 12:52:33	3.094034	38.68843	59.21889	67.23804	26.54552	85.31013
2020-07-02 12:52:35	3.094089	38.68864	59.21934	67.23727	26.5442	85.31097
2020-07-02 12:52:37	3.094145	38.68885	59.21978	67.2365	26.54288	85.31182
2020-07-02 12:52:39	3.090746	38.65354	59.16398	67.15522	26.55221	85.22194
2020-07-02 12:52:41	3.090581	38.6519	59.16138	67.1525	26.55228	85.21886
2020-07-02 12:52:43	3.090417	38.65025	59.15878	67.14942	26.55235	85.21579
2020-07-02 12:52:45	3.090253	38.64861	59.15617	67.14635	26.55242	85.21272
2020-07-02 12:52:47	3.107708	38.84092	59.45701	67.20939	26.51311	85.32158
2020-07-02 12:52:49	3.108423	38.84882	59.46938	67.21075	26.51115	85.32484
2020-07-02 12:52:51	3.109138	38.85674	59.48175	67.2121	26.5099	85.32811
2020-07-02 12:52:53	3.139526	39.28059	60.09525	67.22501	26.5481	85.29435
2020-07-02 12:52:55	3.141258	39.28288	60.12826	67.22679	26.54915	85.2948
2020-07-02 12:52:57	3.142989	39.30517	60.16329	67.22857	26.5502	85.29525
2020-07-02 12:52:59	3.144721	39.32746	60.19731	67.23035	26.55126	85.2957
2020-07-02 12:53:01	3.128714	39.11175	59.86704	67.29758	26.5262	85.3914
2020-07-02 12:53:03	3.128623	39.11038	59.86485	67.30086	26.52584	85.39502
2020-07-02 12:53:05	3.128531	39.10901	59.86266	67.30414	26.52548	85.39884
2020-07-02 12:53:07	3.128439	39.10764	59.86047	67.30741	26.52512	85.40226
2020-07-02 12:53:09	3.118369	38.96864	59.85433	67.29284	26.54939	85.35866
2020-07-02 12:53:11	3.117671	38.95907	59.83985	67.29354	26.55	85.3586
2020-07-02 12:53:13	3.116972	38.94949	59.82557	67.29425	26.55061	85.35855
2020-07-02 12:53:15	3.110589	38.87291	59.50372	67.24892	26.51394	85.35898
2020-07-02 12:53:17	3.110127	38.86705	59.49467	67.24665	26.51273	85.35825
2020-07-02 12:53:19	3.109666	38.8612	59.48562	67.24439	26.51151	85.35754
2020-07-02 12:53:21	3.109205	38.85535	59.47657	67.24213	26.5103	85.35681
2020-07-02 12:53:23	3.108955	38.84894	59.46607	67.28423	26.54394	85.3569
2020-07-02 12:53:25	3.106727	38.84709	59.46313	67.2852	26.54471	85.35692
2020-07-02 12:53:27	3.106499	38.84524	59.46018	67.28618	26.54548	85.35693
2020-07-02 12:53:29	3.111767	38.90163	59.54692	67.26349	26.51078	85.37698

Location Properties

Location Name = CC2
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bdf277da
 Latitude = 31.0256333510136 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-07-02 13:08:47
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-07-02 13:08:47	4.73742	59.04241	90.42677	64.65318	26.37343	63.00053
2020-07-02 13:08:49	4.737153	59.03805	90.42019	64.65374	26.37182	63.00296
2020-07-02 13:08:51	4.74337	59.07676	90.48766	64.65288	26.33595	63.04401
2020-07-02 13:08:53	4.743602	59.07769	90.48943	64.65281	26.33408	63.04633
2020-07-02 13:08:55	4.743834	59.07861	90.49121	64.65295	26.33222	63.04865
2020-07-02 13:08:57	4.744066	59.07954	90.49299	64.65308	26.33035	63.05097
2020-07-02 13:08:59	4.745106	59.06633	90.47808	64.65397	26.3073	63.07893
2020-07-02 13:09:01	4.745273	59.06647	90.47869	64.65399	26.30554	63.08102
2020-07-02 13:09:03	4.74544	59.0666	90.4793	64.65401	26.30378	63.08311
2020-07-02 13:09:05	4.743989	59.02937	90.42355	64.65895	26.28441	63.11071
2020-07-02 13:09:07	4.743948	59.02751	90.42085	64.65919	26.2831	63.11248
2020-07-02 13:09:09	4.743908	59.02565	90.41817	64.65942	26.2818	63.11425
2020-07-02 13:09:11	4.743867	59.02378	90.41547	64.65986	26.28049	63.11601
2020-07-02 13:09:13	4.744514	59.01103	90.40166	64.64031	26.26824	63.11154
2020-07-02 13:09:15	4.74452	59.0098	90.40005	64.63953	26.26732	63.11185
2020-07-02 13:09:17	4.744525	59.00856	90.39845	64.63875	26.26641	63.11217
2020-07-02 13:09:19	4.74453	59.00733	90.39684	64.63797	26.26549	63.11248
2020-07-02 13:09:21	4.744291	58.98308	90.36271	64.65617	26.23905	63.1614
2020-07-02 13:09:23	4.744292	58.98172	90.36089	64.65662	26.2376	63.16354
2020-07-02 13:09:25	4.744294	58.98037	90.35906	64.65707	26.23616	63.16569
2020-07-02 13:09:27	4.738708	58.91062	90.25221	64.65327	26.23583	63.16236
2020-07-02 13:09:29	4.738453	58.90702	90.24675	64.65344	26.23529	63.16317
2020-07-02 13:09:31	4.738199	58.90341	90.24129	64.65362	26.23476	63.16396
2020-07-02 13:09:33	4.737944	58.89981	90.23583	64.65379	26.23422	63.16476
2020-07-02 13:09:35	4.73917	58.90657	90.24491	64.66074	26.23189	63.1743
2020-07-02 13:09:37	4.739116	58.90551	90.24323	64.66097	26.23176	63.17469
2020-07-02 13:09:39	4.739062	58.90445	90.24156	64.66121	26.23162	63.17508
2020-07-02 13:09:41	4.739008	58.90339	90.23988	64.66145	26.23149	63.17547
2020-07-02 13:09:43	4.736923	58.85839	90.17424	64.67102	26.20597	63.21493
2020-07-02 13:09:45	4.736845	58.8564	90.17132	64.67159	26.20475	63.21691
2020-07-02 13:09:47	4.736767	58.85441	90.1684	64.67214	26.20354	63.21899

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.8901809804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-07-02 12:39:47
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-07-02 12:39:47	5.544127	67.65653	103.8899	53.32651	25.24529	53.07783
2020-07-02 12:39:49	5.54424	67.65593	103.8892	53.32733	25.24408	53.07987
2020-07-02 12:39:51	5.541842	67.62376	103.8372	53.32551	25.23162	53.09064
2020-07-02 12:39:53	5.541802	67.62225	103.8353	53.32577	25.23071	53.09182
2020-07-02 12:39:55	5.541762	67.62125	103.8334	53.32603	25.22981	53.09298
2020-07-02 12:39:57	5.541722	67.61999	103.8315	53.32629	25.22891	53.09415
2020-07-02 12:39:59	5.540248	67.59631	103.796	53.33101	25.22416	53.10366
2020-07-02 12:40:01	5.540138	67.59463	103.7934	53.3312	25.22368	53.10432
2020-07-02 12:40:03	5.540028	67.59295	103.7909	53.33138	25.22321	53.10498
2020-07-02 12:40:05	5.543192	67.59277	103.8034	53.32035	25.2152	53.10209
2020-07-02 12:40:07	5.54331	67.59233	103.8033	53.31995	25.21474	53.10215
2020-07-02 12:40:09	5.543427	67.59189	103.8032	53.31953	25.21428	53.10221
2020-07-02 12:40:11	5.543544	67.59144	103.8031	53.31912	25.21381	53.10226
2020-07-02 12:40:13	5.546955	67.60423	103.822	53.31659	25.17139	53.14263
2020-07-02 12:40:15	5.546854	67.6048	103.8231	53.31627	25.16933	53.14439
2020-07-02 12:40:17	5.547052	67.60536	103.8242	53.31594	25.16727	53.14615
2020-07-02 12:40:19	5.547251	67.60592	103.8252	53.31562	25.16522	53.14791
2020-07-02 12:40:21	5.552309	67.64664	103.8902	53.31228	25.14747	53.16254
2020-07-02 12:40:23	5.552595	67.6487	103.8935	53.31208	25.14586	53.16396
2020-07-02 12:40:25	5.552881	67.65075	103.8967	53.31187	25.14426	53.16539
2020-07-02 12:40:27	5.551728	67.63155	103.8697	53.3119	25.14373	53.16596
2020-07-02 12:40:29	5.55177	67.63141	103.8697	53.31184	25.14336	53.16626
2020-07-02 12:40:31	5.551811	67.63126	103.8696	53.31178	25.14299	53.16657
2020-07-02 12:40:33	5.551853	67.63113	103.8696	53.31171	25.14263	53.16688
2020-07-02 12:40:35	5.552265	67.63873	103.8817	53.32225	25.14256	53.17745
2020-07-02 12:40:37	5.552263	67.63871	103.8817	53.32271	25.14253	53.17795
2020-07-02 12:40:39	5.552261	67.63869	103.8818	53.32318	25.1425	53.17844
2020-07-02 12:40:41	5.554163	67.66268	103.9161	53.33422	25.14174	53.19022
2020-07-02 12:40:43	5.554256	67.66389	103.9178	53.33491	25.1417	53.19095
2020-07-02 12:40:45	5.554349	67.66511	103.9196	53.33559	25.14165	53.19167
2020-07-02 12:40:47	5.554443	67.66632	103.9214	53.33627	25.14161	53.1924

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-8cb2-1cc8bdf2f7da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-07-09 12:50:07
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-07-09 12:50:07	3.781302	47.31146	72.3888	49.93967	26.56333	48.49173
2020-07-09 12:50:09	3.782606	47.32689	72.4105	49.94423	26.56247	48.49693
2020-07-09 12:50:11	3.783911	47.34232	72.43421	49.94878	26.56161	48.50213
2020-07-09 12:50:13	3.789541	47.1599	72.15617	50.03682	26.55366	48.50479
2020-07-09 12:50:15	3.788786	47.1501	72.14127	50.04523	26.55313	48.60342
2020-07-09 12:50:17	3.788032	47.1403	72.12636	50.05363	26.55261	48.61205
2020-07-09 12:50:19	3.767277	47.1305	72.11145	50.06203	26.55209	48.62069
2020-07-09 12:50:21	3.784681	47.33888	72.43362	50.09898	26.5424	48.66531
2020-07-09 12:50:23	3.785186	47.34474	72.44275	50.10235	26.54182	48.68911
2020-07-09 12:50:25	3.785691	47.35059	72.45187	50.10572	26.54124	48.6729
2020-07-09 12:50:27	3.747877	46.86803	71.71417	50.14236	26.53576	48.71345
2020-07-09 12:50:29	3.746349	46.8483	71.68407	50.1448	26.53533	48.71621
2020-07-09 12:50:31	3.744822	46.82857	71.65397	50.14724	26.53491	48.71896
2020-07-09 12:50:33	3.743294	46.80884	71.62387	50.14968	26.53448	48.72172
2020-07-09 12:50:35	3.818196	47.72997	73.03436	49.77331	26.50829	48.37955
2020-07-09 12:50:37	3.820705	47.76046	73.06106	49.75743	26.50702	48.36526
2020-07-09 12:50:39	3.823214	47.79094	73.12778	49.74155	26.50575	48.35097
2020-07-09 12:50:41	3.825722	47.82143	73.17448	49.72567	26.50448	48.33668
2020-07-09 12:50:43	3.80923	47.60749	72.84688	50.0555	26.51018	48.65216
2020-07-09 12:50:45	3.808798	47.6145	72.85762	50.06316	26.50994	48.65981
2020-07-09 12:50:47	3.809366	47.62152	72.86836	50.07081	26.5097	48.66747
2020-07-09 12:50:49	3.809935	47.62854	72.87911	50.07846	26.50945	48.67513
2020-07-09 12:50:51	3.795031	47.44018	72.59241	50.11151	26.50473	48.71152
2020-07-09 12:50:53	3.794122	47.42881	72.57507	50.11904	26.50463	48.71893
2020-07-09 12:50:55	3.793214	47.41745	72.55774	50.12656	26.50453	48.72634
2020-07-09 12:50:57	3.728544	46.80729	71.31853	50.14098	26.50679	48.7383
2020-07-09 12:50:59	3.725239	46.58586	71.25822	50.14217	26.50683	48.73943
2020-07-09 12:51:01	3.721934	46.52443	71.19291	50.14336	26.50686	48.74056
2020-07-09 12:51:03	3.718629	46.48299	71.12961	50.14455	26.50689	48.74169
2020-07-09 12:51:05	3.793815	47.39138	72.52406	49.98584	26.46931	48.60167
2020-07-09 12:51:07	3.795794	47.4147	72.55986	49.95802	26.4677	48.59572

Location Properties

Location Name = CC2
 Location ID = bd9ff499-e8e3-4c82-b9b8-4786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983186692 °

Report Properties

Start Time = 2020-07-09 13:28:04
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-07-09 13:28:04	3.946862	49.53287	75.76688	50.57139	26.74209	48.94287
2020-07-09 13:28:06	3.946371	49.52519	75.75541	50.57344	26.74081	48.94602
2020-07-09 13:28:08	3.945879	49.51752	75.74393	50.57549	26.73953	48.94916
2020-07-09 13:28:10	3.93417	49.30618	75.431	50.53877	26.65672	48.98862
2020-07-09 13:28:12	3.933574	49.29538	75.41502	50.53852	26.6527	48.99202
2020-07-09 13:28:14	3.932979	49.28458	75.39905	50.53827	26.64868	48.99542
2020-07-09 13:28:16	3.931162	49.26028	75.36499	50.51511	26.64912	48.97256
2020-07-09 13:28:18	3.930863	49.25529	75.35769	50.51343	26.64764	48.97227
2020-07-09 13:28:20	3.930564	49.25031	75.35039	50.51175	26.64616	48.97198
2020-07-09 13:28:22	3.930266	49.24532	75.34309	50.51007	26.64468	48.9717
2020-07-09 13:28:24	3.927356	49.17365	75.24039	50.57946	26.62084	49.06084
2020-07-09 13:28:26	3.927185	49.16982	75.23492	50.58225	26.61972	49.06436
2020-07-09 13:28:28	3.927013	49.166	75.22946	50.58503	26.6186	49.06808
2020-07-09 13:28:30	3.926842	49.16218	75.224	50.58782	26.61748	49.07179
2020-07-09 13:28:32	3.919786	49.04071	75.04095	50.57298	26.56166	49.10819
2020-07-09 13:28:34	3.919408	49.03376	75.03059	50.57371	26.55866	49.11163
2020-07-09 13:28:36	3.91903	49.02682	75.02023	50.57445	26.55567	49.11507
2020-07-09 13:28:38	3.91934	49.00114	74.98906	50.5575	26.52443	49.12708
2020-07-09 13:28:40	3.919213	48.9976	74.98405	50.55656	26.52199	49.1284
2020-07-09 13:28:42	3.919086	48.99406	74.97805	50.55562	26.51955	49.12971
2020-07-09 13:28:44	3.918959	48.99052	74.97404	50.55468	26.5171	49.13102
2020-07-09 13:28:46	3.921606	48.99683	74.9862	50.58603	26.51002	49.16797
2020-07-09 13:28:48	3.921722	48.99652	74.98598	50.58715	26.50909	49.1699
2020-07-09 13:28:50	3.921838	48.99621	74.98576	50.58828	26.50816	49.17184
2020-07-09 13:28:52	3.917654	48.92836	74.88754	50.528	26.46913	49.14886
2020-07-09 13:28:54	3.917504	48.92528	74.88313	50.52576	26.46717	49.14847
2020-07-09 13:28:56	3.917354	48.92219	74.87872	50.52353	26.46522	49.14808
2020-07-09 13:28:58	3.917205	48.91911	74.8743	50.52129	26.46326	49.1477
2020-07-09 13:29:00	3.930059	49.05914	75.09346	50.49411	26.44077	49.14178
2020-07-09 13:29:02	3.930548	49.06402	75.10126	50.49171	26.43899	49.14108
2020-07-09 13:29:04	3.931038	49.0689	75.10905	50.4893	26.43721	49.14036

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.9901809804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-07-09 12:36:49
 Time Offset = -04:00:00
 Duration = 00:01:36
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-07-09 12:36:49	4.946995	61.48796	94.19633	50.47858	26.22353	49.32587
2020-07-09 12:36:51	4.946636	61.48209	94.18761	50.47885	26.22149	49.328
2020-07-09 12:36:53	4.946276	61.47623	94.17789	50.47911	26.21945	49.33013
2020-07-09 12:36:55	4.945917	61.47036	94.17019	50.47937	26.21741	49.33227
2020-07-09 12:36:57	4.945557	61.46449	94.16147	50.47963	26.21536	49.3344
2020-07-09 12:36:59	4.945198	61.45862	94.15276	50.4799	26.21332	49.33653
2020-07-09 12:37:01	4.974849	61.58808	94.39146	50.49047	26.00262	49.54174
2020-07-09 12:37:03	4.974849	61.58808	94.39146	50.49047	26.00262	49.54174
2020-07-09 12:37:05	4.974849	61.58808	94.39146	50.49047	26.00262	49.54174
2020-07-09 12:37:07	4.974849	61.58808	94.39146	50.49047	26.00262	49.54174
2020-07-09 12:37:09	4.974849	61.58808	94.39146	50.49047	26.00262	49.54174
2020-07-09 12:37:11	4.972395	61.54953	94.33619	50.48854	25.99687	49.54519
2020-07-09 12:37:13	4.972236	61.54702	94.3326	50.48841	25.99649	49.54542
2020-07-09 12:37:15	4.972076	61.54451	94.329	50.48829	25.99612	49.54564
2020-07-09 12:37:17	4.971917	61.54201	94.3254	50.48816	25.99574	49.54587
2020-07-09 12:37:19	4.976541	61.56837	94.36779	50.48024	25.98798	49.5453
2020-07-09 12:37:21	4.976683	61.56853	94.36823	50.47984	25.98749	49.54536
2020-07-09 12:37:23	4.976824	61.5687	94.36866	50.47943	25.98699	49.54543
2020-07-09 12:37:25	4.976965	61.56886	94.36909	50.47903	25.98649	49.54549
2020-07-09 12:38:01	4.978109	61.57787	94.3874	50.48526	25.9623	49.5741
2020-07-09 12:38:03	4.978236	61.57859	94.38875	50.48536	25.9611	49.57531
2020-07-09 12:38:05	4.978363	61.57932	94.3901	50.48547	25.9599	49.57652
2020-07-09 12:38:07	4.978489	61.58004	94.39145	50.48557	25.95871	49.57774
2020-07-09 12:38:09	4.978616	61.58076	94.3928	50.48567	25.95751	49.57895
2020-07-09 12:38:11	4.978743	61.5723	94.37579	50.48035	25.95012	49.59041
2020-07-09 12:38:13	4.978870	61.57212	94.37544	50.48065	25.94934	49.59144
2020-07-09 12:38:15	4.978997	61.57195	94.37508	50.48095	25.94855	49.59247
2020-07-09 12:38:17	4.979124	61.57177	94.37473	50.48125	25.94776	49.59349
2020-07-09 12:38:19	4.979251	61.56538	94.37254	50.47494	25.93096	49.59311
2020-07-09 12:38:21	4.979378	61.56503	94.37217	50.47453	25.93024	49.59338
2020-07-09 12:38:23	4.979505	61.56469	94.3718	50.47413	25.92952	49.59366
2020-07-09 12:38:25	4.979632	61.56435	94.37143	50.47372	25.92879	49.59393

Location Properties

Location Name = CC1
 Location ID = 6a269f28-a539-4f8c-9f47-e4b0bc90caf5
 Latitude = 31.0256138139012 °
 Longitude = -83.2243266329169 °

Report Properties

Start Time = 2020-07-17 13:34:11
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)
2020-07-17 13:34:11	2.705022	34.63794	53.21558	55.58735
2020-07-17 13:34:13	2.70491	34.63632	53.21318	55.58744
2020-07-17 13:34:15	2.703813	34.61661	53.18279	55.56244
2020-07-17 13:34:17	2.703754	34.61552	53.18116	55.56152
2020-07-17 13:34:19	2.703694	34.61444	53.17954	55.5606
2020-07-17 13:34:21	2.703519	34.60946	53.17239	55.63001
2020-07-17 13:34:23	2.703489	34.60885	53.17147	55.63274
2020-07-17 13:34:25	2.70346	34.60825	53.17057	55.63546
2020-07-17 13:34:27	2.70343	34.60764	53.16966	55.63819
2020-07-17 13:34:29	2.701796	34.58249	53.13435	55.62979
2020-07-17 13:34:31	2.701719	34.58126	53.13262	55.63075
2020-07-17 13:34:33	2.701642	34.58004	53.13089	55.63172
2020-07-17 13:34:35	2.699581	34.54792	53.08074	55.60494
2020-07-17 13:34:37	2.699457	34.546	53.07782	55.60359
2020-07-17 13:34:39	2.699333	34.54408	53.07489	55.60223
2020-07-17 13:34:41	2.69921	34.54216	53.07196	55.60088
2020-07-17 13:34:43	2.698758	34.53187	53.0578	55.59465
2020-07-17 13:34:45	2.698699	34.5308	53.05622	55.59388
2020-07-17 13:34:47	2.69864	34.52973	53.05463	55.59311
2020-07-17 13:34:49	2.698581	34.52866	53.05305	55.59233
2020-07-17 13:34:51	2.698227	34.52728	53.0491	55.60794
2020-07-17 13:34:53	2.698201	34.527	53.04862	55.60849
2020-07-17 13:34:55	2.698175	34.52671	53.04814	55.60905
2020-07-17 13:34:57	2.695927	34.49844	53.00378	55.61153
2020-07-17 13:34:59	2.695819	34.49714	53.0017	55.61192
2020-07-17 13:35:01	2.695712	34.49583	52.99963	55.61231
2020-07-17 13:35:03	2.695604	34.49453	52.99755	55.6127
2020-07-17 13:35:05	2.696355	34.50259	53.01227	55.57912
2020-07-17 13:35:07	2.696347	34.50243	53.01212	55.57765
2020-07-17 13:35:09	2.696339	34.50227	53.01196	55.57618

Location Properties

Location Name = CC2
 Location ID = 6ebd40e5-000d-40a0-a4e3-c77e158b917f
 Latitude = 31.0202099246018 °
 Longitude = -83.229694403708 °

Report Properties

Start Time = 2020-07-17 13:57:07
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)
2020-07-17 13:57:07	3.983151	50.84293	78.14799	54.84819
2020-07-17 13:57:09	3.983042	50.84069	78.14476	54.84756
2020-07-17 13:57:11	3.987343	50.8743	78.20184	54.85741
2020-07-17 13:57:13	3.987486	50.87496	78.20318	54.85765
2020-07-17 13:57:15	3.987628	50.87563	78.20451	54.85789
2020-07-17 13:57:17	3.987771	50.87629	78.20585	54.85813
2020-07-17 13:57:19	3.987796	50.86306	78.18459	54.86652
2020-07-17 13:57:21	3.987881	50.86312	78.18475	54.8671
2020-07-17 13:57:23	3.987967	50.86318	78.18491	54.86767
2020-07-17 13:57:25	3.988052	50.86324	78.18506	54.86824
2020-07-17 13:57:27	3.986777	50.84602	78.15994	54.878
2020-07-17 13:57:29	3.986725	50.84502	78.15846	54.8786
2020-07-17 13:57:31	3.986672	50.84403	78.15698	54.8792
2020-07-17 13:57:33	3.989769	50.85941	78.18544	54.86092
2020-07-17 13:57:35	3.989891	50.85983	78.18631	54.86026
2020-07-17 13:57:37	3.990012	50.86023	78.18719	54.8596
2020-07-17 13:57:39	3.990133	50.86065	78.18806	54.85894
2020-07-17 13:57:41	3.992629	50.88382	78.22355	54.87419
2020-07-17 13:57:43	3.992802	50.88517	78.22571	54.87453
2020-07-17 13:57:45	3.992975	50.88652	78.22787	54.87487
2020-07-17 13:57:47	3.993148	50.88786	78.23003	54.87521
2020-07-17 13:57:49	3.993892	50.89426	78.24411	54.86832
2020-07-17 13:57:51	3.993976	50.89501	78.24544	54.86832
2020-07-17 13:57:53	3.99406	50.89576	78.24677	54.86831
2020-07-17 13:57:55	3.996325	50.91185	78.27235	54.86619
2020-07-17 13:57:57	3.996444	50.91272	78.2738	54.86598
2020-07-17 13:57:59	3.996564	50.91359	78.27525	54.86576
2020-07-17 13:58:01	3.996683	50.91447	78.2767	54.86555
2020-07-17 13:58:03	4.000229	50.93981	78.3201	54.87954
2020-07-17 13:58:05	4.000434	50.94127	78.32256	54.88013

Location Properties

Location Name = CC3

Report Properties

Start Time = 2020-07-17 13:17:25

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400

Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device

Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)
2020-07-17 13:17:25	5.079921	63.43715	97.81128	53.59019
2020-07-17 13:17:27	5.079341	63.43327	97.8004	53.58393
2020-07-17 13:17:29	5.079272	63.4324	97.799	53.58405
2020-07-17 13:17:31	5.079202	63.43154	97.79761	53.58416
2020-07-17 13:17:33	5.079133	63.43068	97.79621	53.58428
2020-07-17 13:17:35	5.076421	63.40005	97.74601	53.60056
2020-07-17 13:17:37	5.076287	63.39859	97.74353	53.60118
2020-07-17 13:17:39	5.076153	63.39713	97.74104	53.6018
2020-07-17 13:17:41	5.076019	63.39568	97.73856	53.60241
2020-07-17 13:17:43	5.074164	63.37174	97.70193	53.6045
2020-07-17 13:17:45	5.07403	63.37009	97.69934	53.60491
2020-07-17 13:17:47	5.073895	63.36844	97.69675	53.60532
2020-07-17 13:17:49	5.07308	63.35468	97.68221	53.60166
2020-07-17 13:17:51	5.073008	63.35361	97.68087	53.60154
2020-07-17 13:17:53	5.072936	63.35254	97.67953	53.60141
2020-07-17 13:17:55	5.072864	63.35147	97.67818	53.60129
2020-07-17 13:17:57	5.075009	63.38298	97.71828	53.6195
2020-07-17 13:17:59	5.075089	63.38411	97.71977	53.62025
2020-07-17 13:18:01	5.075168	63.38524	97.72127	53.62099
2020-07-17 13:18:03	5.070928	63.3326	97.6399	53.59169
2020-07-17 13:18:05	5.070778	63.33082	97.637	53.59072
2020-07-17 13:18:07	5.070628	63.32904	97.63409	53.58975
2020-07-17 13:18:09	5.070477	63.32727	97.6312	53.58878
2020-07-17 13:18:11	5.072285	63.34314	97.66374	53.58113
2020-07-17 13:18:13	5.072291	63.34292	97.66376	53.58025
2020-07-17 13:18:15	5.072298	63.3427	97.6638	53.57938
2020-07-17 13:18:17	5.072305	63.34248	97.66382	53.5785
2020-07-17 13:18:19	5.07205	63.34536	97.66179	53.57618
2020-07-17 13:18:21	5.072074	63.3458	97.66234	53.57593
2020-07-17 13:18:23	5.072098	63.34624	97.66288	53.57567

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bd2f7da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-07-23 12:31:02
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-07-23 12:31:02	1.874341	23.85341	36.76086	62.91028	28.09187	59.4023
2020-07-23 12:31:04	1.873286	23.84033	36.74074	62.91081	28.09245	59.40217
2020-07-23 12:31:06	1.869726	23.88695	36.65944	62.90219	28.0792	59.40824
2020-07-23 12:31:08	1.869292	23.8812	36.64958	62.90211	28.07882	59.40857
2020-07-23 12:31:10	1.868858	23.87544	36.64073	62.90204	28.07845	59.4089
2020-07-23 12:31:12	1.868424	23.86969	36.63188	62.90196	28.07807	59.40923
2020-07-23 12:31:14	1.858332	23.72204	36.41006	62.89078	28.03548	59.44434
2020-07-23 12:31:16	1.857805	23.71434	36.39845	62.89014	28.03336	59.44601
2020-07-23 12:31:18	1.857279	23.70664	36.38684	62.88949	28.03124	59.44767
2020-07-23 12:31:20	1.845493	23.5389	36.13143	62.90278	28.01264	59.48021
2020-07-23 12:31:22	1.844777	23.52864	36.11587	62.90318	28.01105	59.4823
2020-07-23 12:31:24	1.844061	23.51839	36.10031	62.90358	28.00945	59.48439
2020-07-23 12:31:26	1.843344	23.50813	36.08475	62.90398	28.00785	59.48648
2020-07-23 12:31:28	1.82402	23.24512	35.68723	62.88319	27.94729	59.53196
2020-07-23 12:31:30	1.822925	23.23007	35.66445	62.88249	27.9442	59.53462
2020-07-23 12:31:32	1.821829	23.21503	35.64167	62.88179	27.9411	59.53728
2020-07-23 12:31:34	1.820734	23.19998	35.6189	62.88108	27.938	59.53995
2020-07-23 12:31:36	1.79878	22.91183	35.17597	62.88617	27.91284	59.57188
2020-07-23 12:31:38	1.79743	22.89392	35.14857	62.88599	27.91053	59.57418
2020-07-23 12:31:40	1.79608	22.87601	35.12118	62.8858	27.90823	59.5765
2020-07-23 12:31:42	1.769976	22.5361	34.60071	62.91705	27.89329	59.62222
2020-07-23 12:31:44	1.768363	22.51506	34.56845	62.91859	27.89213	59.62493
2020-07-23 12:31:46	1.766751	22.49401	34.5362	62.92012	27.89096	59.62765
2020-07-23 12:31:48	1.765138	22.47296	34.50394	62.92166	27.88979	59.63036
2020-07-23 12:31:50	1.740099	22.15282	34.01244	62.92347	27.88211	59.64037
2020-07-23 12:31:52	1.738457	22.1317	33.88004	62.92417	27.88146	59.64174
2020-07-23 12:31:54	1.736814	22.11058	33.84764	62.92487	27.88081	59.6431
2020-07-23 12:31:56	1.735172	22.08946	33.81524	62.92556	27.88016	59.64446
2020-07-23 12:31:58	1.716515	21.84755	33.54571	62.9252	27.87073	59.6543
2020-07-23 12:32:00	1.715192	21.83049	33.5196	62.92525	27.87015	59.65498

Location Properties

Location Name = CC2
 Location ID = bd9ff499-a9a3-4c82-b9b8-4f786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983186692 °

Report Properties

Start Time = 2020-07-23 12:45:53
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-07-23 12:45:53	3.45191	44.16396	67.78283	61.07159	28.18216	57.57239
2020-07-23 12:45:55	3.451851	44.16146	67.7794	61.0701	28.17899	57.57427
2020-07-23 12:45:57	3.451791	44.15897	67.77596	61.06861	28.17582	57.57615
2020-07-23 12:45:59	3.451732	44.15648	67.77253	61.06713	28.17266	57.57802
2020-07-23 12:46:01	3.461198	44.21364	67.87287	61.04729	28.13126	57.60227
2020-07-23 12:46:03	3.461592	44.21533	67.87615	61.04559	28.12872	57.60329
2020-07-23 12:46:05	3.461985	44.21701	67.87943	61.04388	28.12618	57.60432
2020-07-23 12:46:07	3.462379	44.2187	67.88271	61.04218	28.12365	57.60535
2020-07-23 12:46:09	3.461619	44.19633	67.84924	61.08998	28.06571	57.71074
2020-07-23 12:46:11	3.461756	44.19633	67.8495	61.09171	28.06233	57.71589
2020-07-23 12:46:13	3.461892	44.19632	67.84977	61.09344	28.05894	57.72104
2020-07-23 12:46:15	3.462971	44.1904	67.84451	61.05733	28.03304	57.71391
2020-07-23 12:46:17	3.463005	44.1897	67.84364	61.05658	28.03079	57.71553
2020-07-23 12:46:19	3.463038	44.189	67.84275	61.05582	28.02855	57.71716
2020-07-23 12:46:21	3.463072	44.1883	67.84187	61.05508	28.0263	57.71877
2020-07-23 12:46:23	3.46543	44.18967	67.84959	61.08243	27.99744	57.77476
2020-07-23 12:46:25	3.465556	44.18961	67.84984	61.083	27.99563	57.77719
2020-07-23 12:46:27	3.465683	44.18956	67.85007	61.08358	27.99382	57.77963
2020-07-23 12:46:29	3.46581	44.1895	67.85032	61.08415	27.99201	57.78206
2020-07-23 12:46:31	3.466282	44.19213	67.8584	61.07499	27.94616	57.8213
2020-07-23 12:46:33	3.466439	44.19227	67.85889	61.0751	27.94352	57.82416
2020-07-23 12:46:35	3.468595	44.1924	67.8594	61.07522	27.94088	57.82703
2020-07-23 12:46:37	3.469409	44.1942	67.86433	61.08754	27.93025	57.83088
2020-07-23 12:46:39	3.469493	44.19432	67.86469	61.08703	27.92889	57.83182
2020-07-23 12:46:41	3.469577	44.19445	67.86506	61.08653	27.92753	57.83278
2020-07-23 12:46:43	3.469661	44.19458	67.86543	61.08602	27.92617	57.8337
2020-07-23 12:46:45	3.473224	44.21533	67.90212	61.06342	27.90837	57.84986
2020-07-23 12:46:47	3.473403	44.21631	67.90388	61.06317	27.90734	57.85071
2020-07-23 12:46:49	3.473582	44.21729	67.90565	61.06292	27.9063	57.85155
2020-07-23 12:46:51	3.473984	44.21041	67.89743	61.05391	27.87802	57.87265
2020-07-23 12:46:53	3.474069	44.21047	67.89773	61.05344	27.87635	57.87395

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.9901808804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-07-23 12:17:06
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-07-23 12:17:06	4.663159	57.89468	89.19904	57.63839	26.50881	56.02388
2020-07-23 12:17:08	4.663015	57.89279	89.1992	57.63831	26.50881	56.0238
2020-07-23 12:17:10	4.661855	57.8723	89.16296	57.63969	26.49991	56.0344
2020-07-23 12:17:12	4.661785	57.87084	89.16069	57.63974	26.49951	56.03487
2020-07-23 12:17:14	4.661674	57.86938	89.15842	57.63978	26.4991	56.03533
2020-07-23 12:17:16	4.661583	57.86792	89.15615	57.63982	26.49869	56.03579
2020-07-23 12:17:18	4.659698	57.81959	89.0957	57.64717	26.48154	56.06079
2020-07-23 12:17:20	4.659593	57.81607	89.09245	57.64751	26.48065	56.06205
2020-07-23 12:17:22	4.659488	57.81355	89.08919	57.64784	26.47975	56.06332
2020-07-23 12:17:24	4.661002	57.81851	89.08563	57.63214	26.46796	56.06032
2020-07-23 12:17:26	4.66104	57.81791	89.09491	57.63153	26.46713	56.06059
2020-07-23 12:17:28	4.661078	57.81731	89.09418	57.63093	26.4663	56.06087
2020-07-23 12:17:30	4.661116	57.81671	89.09346	57.63032	26.46547	56.06115
2020-07-23 12:17:32	4.66051	57.80735	89.07787	57.63371	26.45848	56.07173
2020-07-23 12:17:34	4.660512	57.80704	89.07731	57.63356	26.45793	56.07215
2020-07-23 12:17:36	4.660514	57.80672	89.07674	57.63341	26.45739	56.07257
2020-07-23 12:17:38	4.660516	57.80641	89.07617	57.63326	26.45684	56.07299
2020-07-23 12:17:40	4.659029	57.78874	89.04128	57.62351	26.45226	56.06828
2020-07-23 12:17:42	4.658954	57.78779	89.03946	57.62314	26.45191	56.06829
2020-07-23 12:17:44	4.658879	57.78684	89.03764	57.62278	26.45156	56.0683
2020-07-23 12:17:46	4.661878	57.81057	89.07779	57.61249	26.44693	56.06311
2020-07-23 12:17:48	4.661984	57.81132	89.07896	57.61185	26.44663	56.0628
2020-07-23 12:17:50	4.662093	57.81207	89.08014	57.61122	26.44633	56.06249
2020-07-23 12:17:52	4.662201	57.81282	89.08131	57.61058	26.44603	56.06218
2020-07-23 12:17:54	4.663157	57.81433	89.08974	57.62581	26.43175	56.0919
2020-07-23 12:17:56	4.663256	57.81483	89.09086	57.62632	26.43101	56.09316
2020-07-23 12:17:58	4.663354	57.81534	89.09197	57.62682	26.43028	56.09441
2020-07-23 12:18:00	4.663453	57.81585	89.09309	57.62732	26.42954	56.09567
2020-07-23 12:18:02	4.664927	57.82878	89.11253	57.61739	26.42326	56.09255
2020-07-23 12:18:04	4.665011	57.82938	89.11354	57.61726	26.4227	56.09301
2020-07-23 12:18:06	4.665094	57.82998	89.11456	57.61713	26.42214	56.09346

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-8cb2-1cc8bd2f27da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-07-30 13:03:33
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-07-30 13:03:33	3.098808	38.84093	59.61798	62.43486	26.86892	60.28297
2020-07-30 13:03:35	3.098566	38.83823	59.6136	62.43488	26.86951	60.28233
2020-07-30 13:03:37	3.098323	38.83553	59.60961	62.4349	26.8701	60.2817
2020-07-30 13:03:39	3.098081	38.83283	59.60543	62.43492	26.8707	60.28106
2020-07-30 13:03:41	3.094602	38.78907	59.53735	62.44618	26.86959	60.29317
2020-07-30 13:03:43	3.084384	38.78646	59.53333	62.4468	26.86983	60.2935
2020-07-30 13:03:45	3.094166	38.78391	59.52931	62.44743	26.87008	60.29382
2020-07-30 13:03:47	3.093948	38.78132	59.52529	62.44806	26.87033	60.29415
2020-07-30 13:03:49	3.088085	38.70446	59.41025	62.42776	26.87253	60.27211
2020-07-30 13:03:51	3.087762	38.70028	59.40393	62.4271	26.87262	60.27137
2020-07-30 13:03:53	3.08744	38.8961	59.39762	62.42645	26.87271	60.27064
2020-07-30 13:03:55	3.081378	38.82162	59.28218	62.43583	26.86948	60.28329
2020-07-30 13:03:57	3.080999	38.61689	59.27493	62.43591	26.86938	60.28348
2020-07-30 13:03:59	3.080821	38.61216	59.26767	62.43599	26.86928	60.28367
2020-07-30 13:04:01	3.080243	38.60744	59.26042	62.43607	26.86918	60.28386
2020-07-30 13:04:03	3.076294	38.55852	59.18427	62.42758	26.86892	60.27595
2020-07-30 13:04:05	3.076001	38.5549	59.17865	62.42738	26.86885	60.27584
2020-07-30 13:04:07	3.075708	38.55129	59.17303	62.42717	26.86877	60.27572
2020-07-30 13:04:09	3.075415	38.54767	59.16741	62.42697	26.8687	60.2756
2020-07-30 13:04:11	3.075856	38.55308	59.17811	62.44918	26.86816	60.29766
2020-07-30 13:04:13	3.075794	38.5523	59.17701	62.45002	26.86812	60.2985
2020-07-30 13:04:15	3.075732	38.55153	59.1759	62.45086	26.86809	60.29935
2020-07-30 13:04:17	3.071296	38.49878	59.09354	62.45615	26.87415	60.29772
2020-07-30 13:04:19	3.071103	38.49649	59.09	62.45682	26.87441	60.29807
2020-07-30 13:04:21	3.07091	38.49419	59.08646	62.45748	26.87466	60.29843
2020-07-30 13:04:23	3.070716	38.4919	59.08292	62.45814	26.87492	60.29878
2020-07-30 13:04:25	3.070313	38.48621	59.07425	62.4578	26.87397	60.2995
2020-07-30 13:04:27	3.070212	38.48497	59.07231	62.4579	26.87405	60.29952
2020-07-30 13:04:29	3.070111	38.48372	59.07038	62.458	26.87412	60.29954
2020-07-30 13:04:31	3.066423	38.43853	58.99904	62.43771	26.87179	60.28254
2020-07-30 13:04:33	3.066244	38.43633	58.99558	62.43676	26.87166	60.28177

Location Properties

Location Name = CC2
 Location ID = bd9ff499-e8e3-4c82-b9b8-4f786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983186692 °

Report Properties

Start Time = 2020-07-30 12:50:55
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-07-30 12:50:55	4.754865	50.2337	91.02271	62.19381	26.55466	60.4003
2020-07-30 12:50:57	4.750356	59.1765	90.93774	62.17233	26.55674	60.37709
2020-07-30 12:50:59	4.750038	59.17249	90.93169	62.17158	26.55681	60.37629
2020-07-30 12:51:01	4.749721	59.16847	90.92565	62.17084	26.55689	60.37548
2020-07-30 12:51:03	4.749403	59.16446	90.9196	62.1701	26.55697	60.37467
2020-07-30 12:51:05	4.745152	59.11067	90.83957	62.17923	26.55604	60.38459
2020-07-30 12:51:07	4.744874	59.10714	90.83327	62.17925	26.55603	60.38461
2020-07-30 12:51:09	4.744595	59.10381	90.82797	62.17927	26.55603	60.38463
2020-07-30 12:51:11	4.744316	59.10007	90.82267	62.17929	26.55603	60.38465
2020-07-30 12:51:13	4.74184	59.0696	90.77665	62.18389	26.55559	60.38961
2020-07-30 12:51:15	4.74175	59.06718	90.77299	62.18426	26.55555	60.39001
2020-07-30 12:51:17	4.74156	59.06476	90.76934	62.18464	26.55552	60.39042
2020-07-30 12:51:19	4.745089	59.10879	90.8349	62.19101	26.55414	60.39814
2020-07-30 12:51:21	4.745209	59.11027	90.8371	62.19139	26.55407	60.39859
2020-07-30 12:51:23	4.745329	59.11175	90.83929	62.19176	26.554	60.39903
2020-07-30 12:51:25	4.745449	59.11323	90.84148	62.19214	26.55393	60.39948
2020-07-30 12:51:27	4.74339	59.09241	90.80791	62.1897	26.55806	60.39249
2020-07-30 12:51:29	4.74337	59.09237	90.80774	62.18973	26.55821	60.39233
2020-07-30 12:51:31	4.743349	59.09233	90.80757	62.18975	26.55837	60.39219
2020-07-30 12:51:33	4.743329	59.09229	90.8074	62.18977	26.55852	60.39204
2020-07-30 12:51:35	4.742909	59.0817	90.79356	62.16948	26.55442	60.37693
2020-07-30 12:51:37	4.742856	59.0809	90.7924	62.16858	26.55432	60.37616
2020-07-30 12:51:39	4.742803	59.0801	90.79124	62.16767	26.55422	60.37539
2020-07-30 12:51:41	4.746361	59.12528	90.85915	62.18352	26.55446	60.39051
2020-07-30 12:51:43	4.746521	59.12723	90.86211	62.18392	26.55441	60.39096
2020-07-30 12:51:45	4.746682	59.12918	90.86507	62.18432	26.55435	60.39141
2020-07-30 12:51:47	4.746842	59.13113	90.86804	62.18472	26.55429	60.39187
2020-07-30 12:51:49	4.747168	59.13959	90.8774	62.17721	26.55612	60.38253
2020-07-30 12:51:51	4.747254	59.14086	90.87919	62.17719	26.55621	60.38241
2020-07-30 12:51:53	4.74734	59.14217	90.88097	62.17718	26.55629	60.3823
2020-07-30 12:51:55	4.747426	59.14346	90.88276	62.17716	26.55638	60.38218

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.8901809804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-07-30 12:19:39
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-07-30 12:19:39	5.184484	63.54776	97.83361	59.04637	25.68233	58.28675
2020-07-30 12:19:41	5.191883	63.62193	97.95081	59.14032	25.6518	58.41312
2020-07-30 12:19:43	5.192096	63.62336	97.953	59.14404	25.6504	58.41834
2020-07-30 12:19:45	5.192309	63.6248	97.9554	59.14776	25.64899	58.42357
2020-07-30 12:19:47	5.215988	63.92732	98.42514	59.31205	25.66296	58.5704
2020-07-30 12:19:49	5.217155	63.94183	98.44771	59.32098	25.66299	58.57918
2020-07-30 12:19:51	5.218323	63.95634	98.47028	59.3299	25.66303	58.58795
2020-07-30 12:19:53	5.219491	63.97084	98.49284	59.33883	25.66306	58.59673
2020-07-30 12:19:55	5.227055	64.11147	98.69752	59.39817	25.68405	58.63212
2020-07-30 12:19:57	5.227819	64.12315	98.71504	59.40382	25.6852	58.63643
2020-07-30 12:19:59	5.228584	64.13481	98.73257	59.40947	25.68635	58.64073
2020-07-30 12:20:01	5.229349	64.14648	98.75009	59.41511	25.6875	58.64504
2020-07-30 12:20:03	5.240091	64.30338	98.98492	59.45346	25.72551	58.64086
2020-07-30 12:20:05	5.240712	64.31297	98.99919	59.45633	25.72754	58.64145
2020-07-30 12:20:07	5.241333	64.32257	99.01346	59.45921	25.72958	58.64203
2020-07-30 12:20:09	5.223449	64.12748	98.70599	59.41176	25.74891	58.57391
2020-07-30 12:20:11	5.22284	64.12156	98.69643	59.41035	25.75047	58.5708
2020-07-30 12:20:13	5.22223	64.11563	98.68687	59.40894	25.75202	58.5677
2020-07-30 12:20:15	5.221621	64.10971	98.67731	59.40753	25.75357	58.5646
2020-07-30 12:20:17	5.201474	63.83612	98.26295	59.25662	25.75438	58.41495
2020-07-30 12:20:19	5.200212	63.81987	98.23813	59.24878	25.75478	58.40676
2020-07-30 12:20:21	5.19895	63.80363	98.21329	59.24093	25.75519	58.39859
2020-07-30 12:20:23	5.197687	63.78739	98.18847	59.23309	25.7556	58.3904
2020-07-30 12:20:25	5.205581	63.85589	98.30088	59.22298	25.71023	58.43036
2020-07-30 12:20:27	5.205492	63.85588	98.29697	59.21942	25.70833	58.42893
2020-07-30 12:20:29	5.205404	63.85316	98.29307	59.21585	25.70643	58.4275
2020-07-30 12:20:31	5.214056	63.94428	98.4335	59.146	25.69142	58.37509
2020-07-30 12:20:33	5.214548	63.94918	98.44111	59.14257	25.68998	58.3733
2020-07-30 12:20:35	5.215039	63.95408	98.44872	59.13915	25.68853	58.37151
2020-07-30 12:20:37	5.215531	63.95898	98.45633	59.13572	25.68709	58.36972

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bd2f27da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-08-06 13:19:33
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-08-06 13:19:33	2.581613	33.5288	51.19313	65.74584	28.82011	61.27506
2020-08-06 13:19:35	2.58137	33.52572	51.18844	65.74576	28.82018	61.27481
2020-08-06 13:19:37	2.581128	33.52265	51.18375	65.74557	28.82026	61.27456
2020-08-06 13:19:39	2.58422	33.56705	51.2511	65.75146	28.82991	61.26951
2020-08-06 13:19:41	2.584306	33.56841	51.25315	65.75175	28.83041	61.26925
2020-08-06 13:19:43	2.584393	33.56977	51.25521	65.75205	28.8309	61.26899
2020-08-06 13:19:45	2.584479	33.57112	51.25726	65.75235	28.83139	61.26873
2020-08-06 13:19:47	2.57544	33.47105	51.10087	65.73335	28.86101	61.21876
2020-08-06 13:19:49	2.575113	33.46763	51.09549	65.73266	28.86247	61.21653
2020-08-06 13:19:51	2.574787	33.46422	51.09012	65.73196	28.86393	61.21429
2020-08-06 13:19:53	2.571584	33.44681	51.05624	65.8001	28.87489	61.2658
2020-08-06 13:19:55	2.571284	33.44435	51.05208	65.80305	28.87589	61.26744
2020-08-06 13:19:57	2.570984	33.44189	51.04792	65.806	28.8769	61.26909
2020-08-06 13:19:59	2.570684	33.43943	51.04375	65.80894	28.87791	61.27074
2020-08-06 13:20:01	2.568384	33.6713	51.39773	65.69019	28.90898	61.3125
2020-08-06 13:20:03	2.569136	33.68164	51.41336	65.69531	28.9106	61.31549
2020-08-06 13:20:05	2.569888	33.69197	51.42899	65.90042	28.91223	61.31849
2020-08-06 13:20:07	2.59064	33.70231	51.44463	65.90553	28.91385	61.32148
2020-08-06 13:20:09	2.579877	33.5612	51.23108	65.89008	28.9146	61.30627
2020-08-06 13:20:11	2.579766	33.55976	51.22895	65.8911	28.91526	61.30651
2020-08-06 13:20:13	2.579654	33.55932	51.22683	65.89212	28.91592	61.30674
2020-08-06 13:20:15	2.586786	33.65031	51.36821	65.90781	28.91308	61.32443
2020-08-06 13:20:17	2.586939	33.65225	51.37125	65.90833	28.91297	61.32503
2020-08-06 13:20:19	2.587082	33.65419	51.37429	65.90884	28.91287	61.32562
2020-08-06 13:20:21	2.587245	33.65614	51.37733	65.90936	28.91277	61.32622
2020-08-06 13:20:23	2.583634	33.61092	51.30481	65.87804	28.91413	61.29559
2020-08-06 13:20:25	2.583907	33.61065	51.30424	65.87689	28.91414	61.29451
2020-08-06 13:20:27	2.583581	33.61037	51.30367	65.87574	28.91415	61.29343
2020-08-06 13:20:29	2.583555	33.6101	51.3031	65.8746	28.91417	61.29234
2020-08-06 13:20:31	2.586537	33.38701	50.96569	65.83528	28.91481	61.25507

Location Properties

Location Name = CC2
 Location ID = bd9ff499-e9e3-4c82-b9b8-4f786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983186692 °

Report Properties

Start Time = 2020-08-06 13:04:57
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-08-06 13:04:57	3.974142	50.85039	77.57738	63.45258	27.79649	60.23523
2020-08-06 13:04:59	3.971336	50.81824	77.52863	63.44272	27.80157	60.22034
2020-08-06 13:05:01	3.971146	50.81597	77.52517	63.44252	27.80176	60.21984
2020-08-06 13:05:03	3.970957	50.8137	77.52172	63.44232	27.80195	60.21954
2020-08-06 13:05:05	3.970767	50.81143	77.51826	63.44212	27.80214	60.21914
2020-08-06 13:05:07	3.968888	50.80051	77.49804	63.45104	27.80829	60.2198
2020-08-06 13:05:09	3.96875	50.5994	77.49724	63.45127	27.8097	60.21957
2020-08-06 13:05:11	3.968613	50.59829	77.49544	63.4515	27.8101	60.21935
2020-08-06 13:05:13	3.968808	50.57823	77.46297	63.45058	27.81954	60.20818
2020-08-06 13:05:15	3.96689	50.5771	77.46111	63.45071	27.82011	60.20789
2020-08-06 13:05:17	3.966572	50.57597	77.45924	63.45084	27.82067	60.20719
2020-08-06 13:05:19	3.966454	50.57483	77.45737	63.45097	27.82124	60.20669
2020-08-06 13:05:21	3.965887	50.56667	77.44456	63.43529	27.82315	60.18973
2020-08-06 13:05:23	3.965816	50.56591	77.44333	63.43457	27.82343	60.18874
2020-08-06 13:05:25	3.965545	50.56514	77.4421	63.43384	27.82371	60.18775
2020-08-06 13:05:27	3.965474	50.56437	77.44087	63.43312	27.82398	60.18676
2020-08-06 13:05:29	3.962765	50.53756	77.39837	63.45476	27.8209	60.21066
2020-08-06 13:05:31	3.962629	50.53621	77.39621	63.4554	27.82081	60.21136
2020-08-06 13:05:33	3.962493	50.53485	77.39408	63.45604	27.82073	60.21206
2020-08-06 13:05:35	3.965193	50.57308	77.45126	63.45577	27.83551	60.19587
2020-08-06 13:05:37	3.965284	50.57427	77.45303	63.45614	27.83612	60.19536
2020-08-06 13:05:39	3.965334	50.57548	77.4548	63.4565	27.83673	60.19504
2020-08-06 13:05:41	3.965405	50.57669	77.45657	63.45687	27.83735	60.19473
2020-08-06 13:05:43	3.966782	50.59853	77.48859	63.45858	27.84186	60.19141
2020-08-06 13:05:45	3.968892	50.60019	77.49105	63.45865	27.84234	60.19097
2020-08-06 13:05:47	3.967001	50.60185	77.49351	63.45872	27.84281	60.19052
2020-08-06 13:05:49	3.964958	50.5776	77.45483	63.44896	27.84399	60.17809
2020-08-06 13:05:51	3.964883	50.5768	77.45351	63.44844	27.84412	60.17744
2020-08-06 13:05:53	3.964807	50.57599	77.45217	63.44591	27.84424	60.1768
2020-08-06 13:05:55	3.964732	50.57519	77.45084	63.44538	27.84437	60.17616
2020-08-06 13:05:57	3.968749	50.6243	77.52825	63.45844	27.84336	60.18965

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.9901809804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-08-06 12:44:21
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-08-06 12:44:21	4.781277	60.37321	92.5937	60.20236	27.28696	57.68272
2020-08-06 12:44:23	4.781356	60.37326	92.59406	60.20394	27.28603	57.68522
2020-08-06 12:44:25	4.788476	60.41589	92.66681	60.19898	27.24883	57.71965
2020-08-06 12:44:27	4.786785	60.4175	92.6697	60.19897	27.24703	57.72165
2020-08-06 12:44:29	4.789094	60.41911	92.67258	60.19908	27.24524	57.72366
2020-08-06 12:44:31	4.794366	60.45515	92.73417	60.18018	27.21034	57.74244
2020-08-06 12:44:33	4.794735	60.45755	92.73828	60.17926	27.20807	57.74396
2020-08-06 12:44:35	4.795105	60.45996	92.7424	60.17835	27.2058	57.74548
2020-08-06 12:44:37	4.795475	60.46237	92.74651	60.17744	27.20354	57.74701
2020-08-06 12:44:39	4.7944	60.43608	92.70644	60.17916	27.19007	57.76292
2020-08-06 12:44:41	4.784457	60.43562	92.7059	60.17888	27.1888	57.76399
2020-08-06 12:44:43	4.794514	60.43518	92.70537	60.1786	27.18754	57.76506
2020-08-06 12:44:45	4.797895	60.44633	92.72821	60.17983	27.159	57.79649
2020-08-06 12:44:47	4.79804	60.44643	92.72865	60.17992	27.1574	57.79826
2020-08-06 12:44:49	4.798184	60.44652	92.72907	60.18001	27.15581	57.80004
2020-08-06 12:44:51	4.798329	60.44662	92.72951	60.1801	27.15421	57.80182
2020-08-06 12:44:53	4.801073	60.43774	92.72536	60.16817	27.11455	57.83244
2020-08-06 12:44:55	4.801268	60.43757	92.72565	60.16765	27.11216	57.83448
2020-08-06 12:44:57	4.801462	60.4374	92.72594	60.16713	27.10977	57.83651
2020-08-06 12:44:59	4.801657	60.43724	92.72623	60.1666	27.10738	57.83855
2020-08-06 12:45:01	4.803276	60.45177	92.75105	60.13913	27.10284	57.81696
2020-08-06 12:45:03	4.803404	60.45223	92.75205	60.13771	27.10181	57.81868
2020-08-06 12:45:05	4.803533	60.45269	92.75305	60.1363	27.10079	57.81641
2020-08-06 12:45:07	4.807767	60.46944	92.78272	60.1446	27.06892	57.85826
2020-08-06 12:45:09	4.807988	60.47044	92.78448	60.14449	27.06738	57.8598
2020-08-06 12:45:11	4.808208	60.47144	92.78625	60.14439	27.06583	57.86133
2020-08-06 12:45:13	4.808429	60.47244	92.78801	60.14429	27.06429	57.86287
2020-08-06 12:45:15	4.827496	60.68982	93.09831	60.12844	27.02206	57.89256
2020-08-06 12:45:17	4.828443	60.67912	93.11404	60.12787	27.01955	57.89468
2020-08-06 12:45:19	4.82939	60.68842	93.12878	60.1273	27.01703	57.89681

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bd2f7da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-08-13 12:55:33
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-08-13 12:55:33	3.44185	43.85457	67.18469	59.87428	27.78746	56.94283
2020-08-13 12:55:35	3.436086	43.77984	67.06897	59.95026	27.79119	56.91598
2020-08-13 12:55:37	3.435794	43.7765	67.06372	59.94971	27.79182	56.9148
2020-08-13 12:55:39	3.435502	43.77316	67.05848	59.94917	27.79246	56.91363
2020-08-13 12:55:41	3.43521	43.76982	67.05323	59.94862	27.79309	56.91245
2020-08-13 12:55:43	3.433456	43.74807	67.02287	59.95879	27.79684	56.91823
2020-08-13 12:55:45	3.433263	43.74559	67.01917	59.95874	27.79707	56.91795
2020-08-13 12:55:47	3.433069	43.74311	67.01548	59.95868	27.7973	56.91766
2020-08-13 12:55:49	3.432875	43.74063	67.0118	59.95863	27.79753	56.91737
2020-08-13 12:55:51	3.433532	43.74804	67.02287	59.93515	27.79888	56.89575
2020-08-13 12:55:53	3.433522	43.74788	67.02286	59.93427	27.79693	56.89487
2020-08-13 12:55:55	3.433512	43.74772	67.02246	59.93338	27.79698	56.89398
2020-08-13 12:55:57	3.436713	43.7911	67.08534	59.95838	27.79617	56.91854
2020-08-13 12:55:59	3.436867	43.79317	67.08834	59.95907	27.79612	56.91824
2020-08-13 12:56:01	3.437022	43.79524	67.09135	59.95976	27.79608	56.91994
2020-08-13 12:56:03	3.437176	43.79731	67.09435	59.96045	27.79603	56.92065
2020-08-13 12:56:05	3.432636	43.74056	67.00822	59.95729	27.79838	56.91523
2020-08-13 12:56:07	3.432501	43.73894	67.00571	59.95763	27.79847	56.91545
2020-08-13 12:56:09	3.432366	43.73732	67.00319	59.95786	27.79855	56.91568
2020-08-13 12:56:11	3.432232	43.7357	67.00068	59.95829	27.79864	56.91591
2020-08-13 12:56:13	3.430821	43.71643	66.97146	59.95141	27.79706	56.91101
2020-08-13 12:56:15	3.430679	43.71457	66.96865	59.95105	27.79703	56.9107
2020-08-13 12:56:17	3.430537	43.71272	66.96584	59.95069	27.797	56.91039
2020-08-13 12:56:19	3.431043	43.72041	66.97533	59.94175	27.79659	56.90232
2020-08-13 12:56:21	3.431041	43.72042	66.97524	59.94122	27.79654	56.90187
2020-08-13 12:56:23	3.43104	43.72043	66.97516	59.94069	27.79649	56.90141
2020-08-13 12:56:25	3.431038	43.72044	66.97507	59.94015	27.79644	56.90096
2020-08-13 12:56:27	3.428418	43.65775	66.88281	59.93109	27.79452	56.89434
2020-08-13 12:56:29	3.42823	43.65522	66.87905	59.93052	27.79443	56.89389
2020-08-13 12:56:31	3.428042	43.65269	66.87529	59.92995	27.79434	56.89344
2020-08-13 12:56:33	3.425854	43.65016	66.87153	59.92939	27.79425	56.893

Location Properties

Location Name = CC2
 Location ID = bd9f499-e8e3-4c82-b9b8-4f786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983186692 °

Report Properties

Start Time = 2020-08-13 12:39:32
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-08-13 12:39:32	4.786967	60.45773	92.78287	59.93575	27.34352	57.36788
2020-08-13 12:39:34	4.787035	60.45756	92.78285	59.93565	27.34264	57.36872
2020-08-13 12:39:36	4.787102	60.45742	92.78274	59.93555	27.34175	57.36956
2020-08-13 12:39:38	4.784326	60.41899	92.72292	59.92981	27.33551	57.37061
2020-08-13 12:39:40	4.784219	60.41721	92.72017	59.92952	27.33498	57.37088
2020-08-13 12:39:42	4.784112	60.41542	92.71741	59.92922	27.33446	57.37115
2020-08-13 12:39:44	4.782907	60.39882	92.69501	59.92884	27.33351	57.37012
2020-08-13 12:39:46	4.782804	60.39738	92.69291	59.92871	27.33499	57.37011
2020-08-13 12:39:48	4.782702	60.39593	92.69081	59.92859	27.33488	57.37011
2020-08-13 12:39:50	4.782599	60.39449	92.68871	59.92846	27.33476	57.37011
2020-08-13 12:39:52	4.779142	60.35299	92.62184	59.9251	27.33600	57.36549
2020-08-13 12:39:54	4.778964	60.3508	92.61839	59.92493	27.33615	57.36527
2020-08-13 12:39:56	4.778785	60.34861	92.61493	59.92477	27.33621	57.36505
2020-08-13 12:39:58	4.775612	60.30935	92.5571	59.92865	27.33485	57.37019
2020-08-13 12:40:00	4.775607	60.30671	92.55311	59.92878	27.33481	57.37035
2020-08-13 12:40:02	4.775402	60.30408	92.54912	59.9289	27.33477	57.37051
2020-08-13 12:40:04	4.775197	60.30144	92.54513	59.92902	27.33472	57.37067
2020-08-13 12:40:06	4.77196	60.26481	92.48601	59.93869	27.33727	57.37725
2020-08-13 12:40:08	4.771755	60.26237	92.48219	59.93919	27.33736	57.37765
2020-08-13 12:40:10	4.77155	60.25993	92.47836	59.9397	27.33744	57.37804
2020-08-13 12:40:12	4.771345	60.25749	92.47454	59.9402	27.33753	57.37844
2020-08-13 12:40:14	4.772254	60.26596	92.48876	59.9405	27.33558	57.36077
2020-08-13 12:40:16	4.77223	60.26559	92.4882	59.9407	27.33554	57.361
2020-08-13 12:40:18	4.772205	60.26522	92.48763	59.9409	27.3355	57.36123
2020-08-13 12:40:20	4.772181	60.26485	92.48707	59.94109	27.33546	57.36147
2020-08-13 12:40:22	4.77284	60.27497	92.50157	59.94361	27.33623	57.36306
2020-08-13 12:40:24	4.772882	60.27552	92.5024	59.94373	27.33623	57.36319
2020-08-13 12:40:26	4.772823	60.27607	92.50321	59.94386	27.33622	57.36331
2020-08-13 12:40:28	4.774897	60.29604	92.53618	59.93261	27.33255	57.3764
2020-08-13 12:40:30	4.774894	60.29708	92.53786	59.93217	27.3324	57.37613

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.0901809804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-08-13 12:17:08
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-08-13 12:17:08	5.539846	69.38733	106.5879	61.93021	26.87403	59.79008
2020-08-13 12:17:10	5.540224	69.39196	106.5951	61.93028	26.87364	59.79058
2020-08-13 12:17:12	5.540603	69.39639	106.6023	61.93036	26.87325	59.79108
2020-08-13 12:17:14	5.540981	69.40092	106.6095	61.93042	26.87287	59.79158
2020-08-13 12:17:16	5.551762	69.53805	106.8197	61.92363	26.87353	59.78429
2020-08-13 12:17:18	5.552393	69.54599	106.832	61.92353	26.87356	59.78415
2020-08-13 12:17:20	5.553023	69.55393	106.8443	61.92343	26.87359	59.78402
2020-08-13 12:17:22	5.558616	69.62122	106.9506	61.93584	26.87416	59.79537
2020-08-13 12:17:24	5.559076	69.62688	106.9594	61.93627	26.87419	59.79576
2020-08-13 12:17:26	5.559536	69.63255	106.9682	61.93671	26.87422	59.79614
2020-08-13 12:17:28	5.559996	69.63823	106.9771	61.93714	26.87425	59.79653
2020-08-13 12:17:30	5.566333	69.70498	107.0811	61.94365	26.86365	59.81452
2020-08-13 12:17:32	5.566725	69.7093	107.0878	61.94417	26.8632	59.81551
2020-08-13 12:17:34	5.567117	69.71361	107.0946	61.94469	26.86275	59.81651
2020-08-13 12:17:36	5.575486	69.79168	107.2177	61.95325	26.84941	59.84061
2020-08-13 12:17:38	5.575982	69.79646	107.2252	61.95376	26.84757	59.84202
2020-08-13 12:17:40	5.576478	69.80124	107.2327	61.95426	26.84673	59.84343
2020-08-13 12:17:42	5.576975	69.80602	107.2402	61.95476	26.8459	59.84484
2020-08-13 12:17:44	5.579345	69.83279	107.2785	61.94082	26.83358	59.84507
2020-08-13 12:17:46	5.57961	69.83548	107.2826	61.94044	26.83274	59.84553
2020-08-13 12:17:48	5.579875	69.83817	107.2867	61.93995	26.8319	59.84599
2020-08-13 12:17:50	5.58014	69.84085	107.2907	61.93947	26.83106	59.84644
2020-08-13 12:17:52	5.586416	69.86687	107.0229	61.94186	26.82866	59.85141
2020-08-13 12:17:54	5.585966	69.85773	107.0119	61.94169	26.8283	59.85164
2020-08-13 12:17:56	5.585317	69.85059	107.001	61.94152	26.82793	59.85188
2020-08-13 12:17:58	5.587577	69.85778	107.0127	61.92947	26.80645	59.86398
2020-08-13 12:18:00	5.587437	69.855	107.0085	61.92896	26.80542	59.86462
2020-08-13 12:18:02	5.587298	69.85221	107.0043	61.92845	26.8044	59.86526
2020-08-13 12:18:04	5.587158	69.84943	107.0001	61.92794	26.80337	59.8659
2020-08-13 12:18:06	5.586959	69.80144	106.93	61.92099	26.8023	59.86036

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bd2f27da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-08-20 13:10:02
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-08-20 13:10:02	3.074028	38.3253	58.67527	62.53291	26.37218	60.93587
2020-08-20 13:10:04	3.073539	38.31916	58.66593	62.53283	26.37227	60.93569
2020-08-20 13:10:06	3.07305	38.31303	58.6586	62.53275	26.37236	60.9355
2020-08-20 13:10:08	3.067161	38.24026	58.5447	62.54229	26.37139	60.9459
2020-08-20 13:10:10	3.06674	38.23502	58.5367	62.54277	26.37135	60.94642
2020-08-20 13:10:12	3.066319	38.22978	58.5287	62.54326	26.37132	60.94693
2020-08-20 13:10:14	3.065899	38.22455	58.5207	62.54375	26.37128	60.94745
2020-08-20 13:10:16	3.061153	38.17112	58.43742	62.54488	26.38063	60.93794
2020-08-20 13:10:18	3.060818	38.16722	58.43137	62.54512	26.38104	60.93772
2020-08-20 13:10:20	3.060482	38.16331	58.42531	62.54537	26.38144	60.9375
2020-08-20 13:10:22	3.060147	38.15941	58.41925	62.54562	26.38185	60.93727
2020-08-20 13:10:24	3.060086	38.15626	58.41214	62.54105	26.37543	60.94012
2020-08-20 13:10:26	3.059978	38.15493	58.40997	62.54089	26.37535	60.94006
2020-08-20 13:10:28	3.05987	38.1536	58.40781	62.54074	26.37526	60.94
2020-08-20 13:10:30	3.058138	38.1312	58.37718	62.53713	26.374	60.93791
2020-08-20 13:10:32	3.058051	38.13004	58.37553	62.53669	26.37385	60.93786
2020-08-20 13:10:34	3.057964	38.12888	58.37389	62.53666	26.37369	60.93781
2020-08-20 13:10:36	3.057878	38.12773	58.37225	62.53643	26.37353	60.93776
2020-08-20 13:10:38	3.055458	38.08848	58.32373	62.53397	26.37496	60.93374
2020-08-20 13:10:40	3.055313	38.08461	58.3209	62.53379	26.37501	60.93351
2020-08-20 13:10:42	3.055168	38.09274	58.31808	62.53361	26.37505	60.93329
2020-08-20 13:10:44	3.055023	38.09087	58.31525	62.53343	26.3751	60.93306
2020-08-20 13:10:46	3.051418	38.04515	58.24392	62.53289	26.37249	60.9355
2020-08-20 13:10:48	3.05121	38.04251	58.2388	62.53282	26.37241	60.93552
2020-08-20 13:10:50	3.051003	38.03986	58.23568	62.53274	26.37232	60.93554
2020-08-20 13:10:52	3.0483	38.00872	58.18756	62.52726	26.37266	60.92981
2020-08-20 13:10:54	3.04811	38.00646	58.18406	62.527	26.37263	60.92959
2020-08-20 13:10:56	3.04792	38.0042	58.18055	62.52673	26.3728	60.92937
2020-08-20 13:10:58	3.047731	38.00193	58.17704	62.52647	26.37257	60.92915
2020-08-20 13:11:00	3.046701	37.9843	58.15273	62.5301	26.37103	60.93444
2020-08-20 13:11:02	3.046601	37.98289	58.15068	62.53016	26.37096	60.93456

Location Properties

Location Name = CC2
 Location ID = bd9ff499-e8e3-4c82-b9b8-4f786b920453
 Latitude = 31.0201815356845 °
 Longitude = -83.22983166692 °

Report Properties

Start Time = 2020-08-20 12:53:09
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-08-20 12:53:08	4.458544	55.44577	84.9553	61.47439	26.25612	60.03406
2020-08-20 12:53:11	4.457694	55.43567	84.93977	61.47408	26.25626	60.0336
2020-08-20 12:53:13	4.451581	55.37241	84.8372	61.47219	26.27471	60.01109
2020-08-20 12:53:15	4.45106	55.36683	84.82809	61.47198	26.27552	60.00999
2020-08-20 12:53:17	4.450539	55.36084	84.81898	61.47177	26.27632	60.00888
2020-08-20 12:53:19	4.447511	55.3233	84.76403	61.47607	26.27844	60.01071
2020-08-20 12:53:21	4.44725	55.3203	84.75945	61.47621	26.27888	60.01036
2020-08-20 12:53:23	4.446989	55.31731	84.75486	61.47635	26.27933	60.01
2020-08-20 12:53:25	4.446728	55.31432	84.75027	61.47649	26.27977	60.00965
2020-08-20 12:53:27	4.441455	55.24546	84.64882	61.47628	26.27889	60.01042
2020-08-20 12:53:29	4.441154	55.24158	84.6431	61.47634	26.2789	60.01046
2020-08-20 12:53:31	4.440853	55.2377	84.63737	61.4764	26.27891	60.01051
2020-08-20 12:53:33	4.441181	55.24435	84.64718	61.47514	26.28144	60.00645
2020-08-20 12:53:35	4.441095	55.24334	84.64569	61.47507	26.28154	60.00627
2020-08-20 12:53:37	4.44101	55.24234	84.64421	61.475	26.28164	60.00609
2020-08-20 12:53:39	4.440924	55.24134	84.64273	61.47484	26.28175	60.00591
2020-08-20 12:53:41	4.437849	55.21179	84.58997	61.47293	26.28606	59.99913
2020-08-20 12:53:43	4.437716	55.21058	84.58778	61.47282	26.2863	59.99875
2020-08-20 12:53:45	4.437584	55.20937	84.58559	61.47271	26.28654	59.99837
2020-08-20 12:53:47	4.437452	55.20816	84.58339	61.4726	26.28678	59.99799
2020-08-20 12:53:49	4.434886	55.19173	84.55547	61.47779	26.2969	59.99174
2020-08-20 12:53:51	4.434714	55.19044	84.55323	61.47798	26.29743	59.99134
2020-08-20 12:53:53	4.434543	55.18915	84.55099	61.47817	26.29796	59.99093
2020-08-20 12:53:55	4.435023	55.19663	84.56418	61.4812	26.30606	59.98484
2020-08-20 12:53:57	4.434999	55.19667	84.56427	61.48143	26.30662	59.98444
2020-08-20 12:53:59	4.434974	55.19672	84.56436	61.48167	26.30717	59.98405
2020-08-20 12:54:01	4.434949	55.19676	84.56445	61.4819	26.30772	59.98366
2020-08-20 12:54:03	4.427521	55.10592	84.42303	61.47978	26.30801	59.98127
2020-08-20 12:54:05	4.4272	55.10204	84.41702	61.47974	26.30818	59.98104
2020-08-20 12:54:07	4.426879	55.09815	84.411	61.47971	26.30835	59.98062
2020-08-20 12:54:09	4.43141	55.16304	84.50951	61.47768	26.31335	59.97328

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.9901809804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-08-20 12:31:20
 Time Offset = -04:00:00
 Duration = 00:01:00
 Readings = 31

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-08-20 12:31:20	4.807703	59.0762	90.62302	58.43375	25.59636	57.77566
2020-08-20 12:31:22	4.808234	59.08198	90.6321	58.43324	25.59559	57.77599
2020-08-20 12:31:24	4.808765	59.08776	90.64117	58.43273	25.59482	57.77633
2020-08-20 12:31:26	4.816704	59.17553	90.77946	58.42656	25.57583	57.79096
2020-08-20 12:31:28	4.819305	59.18132	90.78854	58.42611	25.57494	57.79147
2020-08-20 12:31:30	4.819907	59.18711	90.79762	58.42565	25.57405	57.79189
2020-08-20 12:31:32	4.820508	59.1929	90.8067	58.42519	25.57317	57.79251
2020-08-20 12:31:34	4.823022	59.21627	90.84663	58.42519	25.55397	57.81347
2020-08-20 12:31:36	4.823328	59.21904	90.85112	58.42508	25.55274	57.81469
2020-08-20 12:31:38	4.823634	59.2218	90.85591	58.42494	25.55151	57.81591
2020-08-20 12:31:40	4.82394	59.22456	90.86011	58.42482	25.55028	57.81713
2020-08-20 12:31:42	4.831596	59.30013	90.97562	58.42301	25.53075	57.8367
2020-08-20 12:31:44	4.831874	59.30383	90.98135	58.42293	25.52955	57.83794
2020-08-20 12:31:46	4.832352	59.30753	90.9871	58.42284	25.52834	57.83917
2020-08-20 12:31:48	4.837347	59.35017	91.05901	58.42114	25.52131	57.84518
2020-08-20 12:31:50	4.837711	59.35345	91.06435	58.42103	25.52065	57.84579
2020-08-20 12:31:52	4.838076	59.35673	91.06968	58.42092	25.51999	57.8464
2020-08-20 12:31:54	4.838441	59.36	91.07501	58.42081	25.51933	57.84701
2020-08-20 12:31:56	4.838661	59.35763	91.07175	58.41876	25.50641	57.85912
2020-08-20 12:31:58	4.83877	59.35856	91.07302	58.41863	25.50589	57.85979
2020-08-20 12:32:00	4.838879	59.3593	91.07429	58.4185	25.50496	57.86045
2020-08-20 12:32:02	4.838987	59.36003	91.07556	58.41838	25.50424	57.86111
2020-08-20 12:32:04	4.833188	59.29494	90.98947	58.41068	25.5062	57.85135
2020-08-20 12:32:06	4.832948	59.29214	90.96492	58.4103	25.50602	57.85118
2020-08-20 12:32:08	4.832709	59.28934	90.96037	58.40992	25.50583	57.85101
2020-08-20 12:32:10	4.837255	59.33041	91.02647	58.40301	25.49646	57.85441
2020-08-20 12:32:12	4.837355	59.33107	91.02751	58.40257	25.49607	57.8544
2020-08-20 12:32:14	4.837453	59.33173	91.02855	58.40212	25.49568	57.85439
2020-08-20 12:32:16	4.837553	59.3324	91.02959	58.40167	25.49529	57.85437
2020-08-20 12:32:18	4.839716	59.35985	91.07236	58.42124	25.49294	57.87632
2020-08-20 12:32:20	4.839895	59.36181	91.07545	58.42199	25.49267	57.87737

Location Properties

Location Name = CC1
 Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bdf2f7da
 Latitude = 31.0256333510138 °
 Longitude = -83.2240855693817 °

Report Properties

Start Time = 2020-08-27 13:14:50
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Condi
2020-08-27 13:14:50	3.534825	44.85671	68.95481	56.88607	27.75215	54.04513
2020-08-27 13:14:52	3.534773	44.85469	68.95172	56.88755	27.752	54.04668
2020-08-27 13:14:54	3.534621	44.85266	68.94882	56.88904	27.75186	54.04823
2020-08-27 13:14:56	3.527428	44.85257	68.79621	56.8789	27.7405	54.04974
2020-08-27 13:14:58	3.527077	44.84779	68.78889	56.8792	27.74002	54.0505
2020-08-27 13:15:00	3.526727	44.843	68.78157	56.8795	27.73955	54.05124
2020-08-27 13:15:02	3.526376	44.83822	68.77425	56.8798	27.73908	54.05199
2020-08-27 13:15:04	3.525593	44.82295	68.75134	56.87368	27.73333	54.05182
2020-08-27 13:15:06	3.525427	44.82045	68.74754	56.87323	27.73286	54.05185
2020-08-27 13:15:08	3.525262	44.81794	68.74374	56.87279	27.73239	54.05189
2020-08-27 13:15:10	3.525096	44.81544	68.73994	56.87234	27.73192	54.05193
2020-08-27 13:15:12	3.52689	44.83609	68.77115	56.88227	27.72731	54.06598
2020-08-27 13:15:14	3.52695	44.83664	68.77235	56.88259	27.72699	54.06651
2020-08-27 13:15:16	3.527009	44.83719	68.7732	56.88291	27.72666	54.06713
2020-08-27 13:15:18	3.525894	44.81405	68.73997	56.87358	27.7158	54.06894
2020-08-27 13:15:20	3.525876	44.81338	68.73903	56.87336	27.71523	54.06927
2020-08-27 13:15:22	3.525857	44.81271	68.7381	56.87313	27.71466	54.06962
2020-08-27 13:15:24	3.525839	44.81204	68.73717	56.87289	27.71409	54.06996
2020-08-27 13:15:26	3.525847	44.80778	68.73227	56.868	27.7098	54.0695
2020-08-27 13:15:28	3.525833	44.80719	68.73147	56.86761	27.70941	54.06953
2020-08-27 13:15:30	3.525919	44.80659	68.73066	56.86723	27.70901	54.06955
2020-08-27 13:15:32	3.526054	44.80691	68.72987	56.86315	27.70361	54.07098
2020-08-27 13:15:34	3.526063	44.80686	68.72976	56.86288	27.70328	54.07104
2020-08-27 13:15:36	3.526072	44.80681	68.72965	56.8626	27.70296	54.0711
2020-08-27 13:15:38	3.526081	44.80676	68.72955	56.86233	27.70263	54.07116
2020-08-27 13:15:40	3.52556	44.80141	68.72183	56.87477	27.70468	54.08097
2020-08-27 13:15:42	3.525539	44.80118	68.72126	56.87524	27.70467	54.08143
2020-08-27 13:15:44	3.525519	44.80095	68.72089	56.87571	27.70465	54.0819
2020-08-27 13:15:46	3.525499	44.80072	68.72053	56.87617	27.70463	54.08236
2020-08-27 13:15:48	3.525302	44.79865	68.71679	56.90295	27.70236	54.11005

Location Properties

Location Name = CC2
 Location ID = bd9f499-e8e3-4c82-b9b8-4f786b920453
 Latitude = 31.0201915356845 °
 Longitude = -83.22983186692 °

Report Properties

Start Time = 2020-08-27 13:02:25
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-08-27 13:02:25	4.257356	53.92451	82.77763	56.55224	27.54309	53.93258
2020-08-27 13:02:27	4.25369	53.85836	82.68171	56.53204	27.52955	53.9266
2020-08-27 13:02:29	4.25342	53.85378	82.67495	56.53101	27.52864	53.92652
2020-08-27 13:02:31	4.25315	53.8492	82.66819	56.52999	27.52773	53.92644
2020-08-27 13:02:33	4.250093	53.80925	82.60585	56.55232	27.52023	53.95512
2020-08-27 13:02:35	4.24988	53.80612	82.60111	56.55296	27.51963	53.95632
2020-08-27 13:02:37	4.249668	53.80299	82.59637	56.55359	27.51902	53.95752
2020-08-27 13:02:39	4.249455	53.79985	82.59162	56.55423	27.51842	53.95872
2020-08-27 13:02:41	4.248685	53.7941	82.57943	56.50198	27.5204	53.90692
2020-08-27 13:02:43	4.248589	53.79302	82.57761	56.50003	27.52033	53.90512
2020-08-27 13:02:45	4.248493	53.79195	82.57579	56.49809	27.52027	53.90334
2020-08-27 13:02:47	4.248397	53.79087	82.57397	56.49615	27.5202	53.90155
2020-08-27 13:02:49	4.248412	53.78707	82.56767	56.52503	27.51717	53.93209
2020-08-27 13:02:51	4.248394	53.78674	82.56707	56.52528	27.51706	53.93243
2020-08-27 13:02:53	4.248377	53.78642	82.56648	56.52552	27.51696	53.93276
2020-08-27 13:02:55	4.251545	53.81353	82.6143	56.51768	27.50438	53.93765
2020-08-27 13:02:57	4.25169	53.8147	82.61637	56.51781	27.50375	53.9384
2020-08-27 13:02:59	4.251836	53.81587	82.61845	56.51794	27.50311	53.93915
2020-08-27 13:03:01	4.251981	53.81704	82.62052	56.51807	27.50248	53.9399
2020-08-27 13:03:03	4.249835	53.78228	82.56992	56.54467	27.49548	53.97217
2020-08-27 13:03:05	4.249799	53.78124	82.56857	56.54571	27.49492	53.9737
2020-08-27 13:03:07	4.249764	53.78021	82.56723	56.54674	27.49436	53.97524
2020-08-27 13:03:09	4.24973	53.77917	82.56588	56.54777	27.4938	53.97677
2020-08-27 13:03:11	4.248051	53.74819	82.51615	56.52708	27.48591	53.96478
2020-08-27 13:03:13	4.247937	53.74615	82.51298	56.52665	27.4854	53.96487
2020-08-27 13:03:15	4.247822	53.74411	82.5098	56.52622	27.4849	53.96495
2020-08-27 13:03:17	4.249858	53.76449	82.54646	56.54707	27.47767	53.96197
2020-08-27 13:03:19	4.249918	53.76482	82.54716	56.54762	27.47719	53.99297
2020-08-27 13:03:21	4.249979	53.76514	82.54787	56.54816	27.4767	53.99397
2020-08-27 13:03:23	4.250039	53.76546	82.54858	56.54871	27.47622	53.99498

Location Properties

Location Name = CC3
 Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14
 Latitude = 30.8901808804007 °
 Longitude = -83.2449669018388 °

Report Properties

Start Time = 2020-08-27 12:42:32
 Time Offset = -04:00:00
 Duration = 00:00:58
 Readings = 30

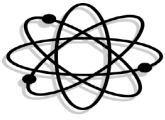
Instrument Properties

Device Model = Aqua TROLL 400
 Device SN = 734322

Instrument Properties

Device Model = In-Situ Bluetooth Device
 Device SN = 730134

Date Time	RDO Concentration (mg/L) (734143)	RDO Saturation (%Sat) (734143)	Oxygen Partial Pressure (Torr) (734143)	Actual Conductivity (µS/cm) (734322)	Temperature (°C) (734322)	Specific Cond
2020-08-27 12:42:32	5.092737	63.82381	98.11955	55.62394	26.96103	53.61572
2020-08-27 12:42:34	5.092594	63.82194	98.11655	55.62387	26.96086	53.61583
2020-08-27 12:42:36	5.08849	63.76827	98.03743	55.62477	26.96082	53.61674
2020-08-27 12:42:38	5.088285	63.76557	98.03337	55.62479	26.96074	53.61683
2020-08-27 12:42:40	5.08808	63.76267	98.02932	55.62481	26.96066	53.61693
2020-08-27 12:42:42	5.090455	63.79307	98.07652	55.62365	26.96181	53.61467
2020-08-27 12:42:44	5.090498	63.79359	98.07743	55.62361	26.96167	53.61457
2020-08-27 12:42:46	5.090541	63.79412	98.07833	55.62357	26.96193	53.61448
2020-08-27 12:42:48	5.090584	63.79465	98.07923	55.62353	26.96198	53.61439
2020-08-27 12:42:50	5.09046	63.78498	98.06281	55.62308	26.95268	53.62314
2020-08-27 12:42:52	5.090505	63.78518	98.06305	55.62304	26.95228	53.6235
2020-08-27 12:42:54	5.090549	63.78537	98.06329	55.62299	26.95187	53.62386
2020-08-27 12:42:56	5.090594	63.78556	98.06353	55.62294	26.95147	53.62421
2020-08-27 12:42:58	5.089612	63.77486	98.04906	55.63012	26.95428	53.62835
2020-08-27 12:43:00	5.089571	63.77423	98.04816	55.63042	26.95421	53.6287
2020-08-27 12:43:02	5.089528	63.7736	98.04725	55.63071	26.95415	53.62906
2020-08-27 12:43:04	5.089486	63.77298	98.04634	55.63101	26.95408	53.62941
2020-08-27 12:43:06	5.091352	63.79467	98.08008	55.63973	26.95276	53.63911
2020-08-27 12:43:08	5.091413	63.7954	98.08125	55.64022	26.95275	53.6396
2020-08-27 12:43:10	5.091475	63.79612	98.08241	55.64072	26.95273	53.6401
2020-08-27 12:43:12	5.093266	63.80991	98.10822	55.62676	26.94715	53.63214
2020-08-27 12:43:14	5.093381	63.81091	98.10999	55.62624	26.94686	53.63193
2020-08-27 12:43:16	5.093496	63.81192	98.11176	55.62572	26.94657	53.63172
2020-08-27 12:43:18	5.093612	63.81282	98.11353	55.6252	26.94628	53.6315
2020-08-27 12:43:20	5.095694	63.84698	98.1606	55.62964	26.9507	53.63142
2020-08-27 12:43:22	5.095823	63.84877	98.16322	55.62965	26.95079	53.63125
2020-08-27 12:43:24	5.095952	63.85057	98.16583	55.62946	26.95087	53.63108
2020-08-27 12:43:26	5.093298	63.81167	98.10918	55.63135	26.94889	53.63486
2020-08-27 12:43:28	5.093213	63.81049	98.10741	55.63151	26.94888	53.63503
2020-08-27 12:43:30	5.093129	63.8093	98.10564	55.63167	26.94886	53.6352



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 7, 2020
Apr 9, 2020; Invoice: 433390

Report Summary

Date Received: Apr 7, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
433390SW1	Staten Rd.	COLILERT-18 EPA245.1	AML AJE	North Lab Main Lab	Surface Water
433390SW2	Hwy 122 E	COLILERT-18 EPA245.1	AML AJE	North Lab Main Lab	Surface Water
433390SW3	Hahira WWTP	COLILERT-18	AML	North Lab	Surface Water
433390SW4	Union Rd	COLILERT-18	AML	North Lab	Surface Water
433390SW5	Old Valdosta Rd.	COLILERT-18	AML	North Lab	Surface Water
433390SW6	Shiloh Rd	COLILERT-18	AML	North Lab	Surface Water
433390SW7	N. Valdosta Rd.	COLILERT-18 EPA245.1	AML AJE	North Lab Main Lab	Surface Water
433390SW8	Weatherington Ln	COLILERT-18 EPA200.8 EPA245.1	AML EVB AJE	North Lab Main Lab Main Lab	Surface Water
433390SW9	Hwy 84	COLILERT-18 EPA200.8 EPA245.1	AML EVB AJE	North Lab Main Lab Main Lab	Surface Water
433390SW10	Ousley Rd	COLILERT-18	AML	North Lab	Surface Water
433390SW11	Ciyattville-Nunkin	COLILERT-18	AML	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 7, 2020
Apr 9, 2020; Invoice: 433390

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
433390SW1	04/07/20 09:10 AM	Staten Rd.	Fecal Coliform	197	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
			Mercury	0.00000500	UJmg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20
433390SW2	04/07/20 09:30 AM	Hwy 122 E	Fecal Coliform	168	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20
433390SW3	04/07/20 09:45 AM	Hahira WWTP	Fecal Coliform	2760	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
433390SW4	04/07/20 09:55 AM	Union Rd	Fecal Coliform	6490	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
433390SW5	04/07/20 10:15 AM	Old Valdosta Rd.	Fecal Coliform	908	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
433390SW6	04/07/20 10:30 AM	Shiloh Rd	Fecal Coliform	51.0	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
433390SW7	04/07/20 10:45 AM	N. Valdosta Rd.										



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 7, 2020
Apr 9, 2020; Invoice: 433390

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
433390SW7	04/07/20 10:45 AM	N. Valdosta Rd.	Fecal Coliform	63.0	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
433390SW8	04/07/20 11:15 AM	Weatherington Ln	Lead	0.00100	U mg/L	1.00	0.00100	0.00200	10431173	EPA200.8	7439-92-1	04/08/20
			Fecal Coliform	120	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
433390SW9	04/07/20 11:40 AM	Hwy 84	Lead	0.00100	U mg/L	1.00	0.00100	0.00200	10431173	EPA200.8	7439-92-1	04/08/20
			Fecal Coliform	20.0	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
433390SW10	04/07/20 12:00 PM	Ousley Rd	Fecal Coliform	187	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
433390SW11	04/07/20 12:10 PM	Clyattville-Nunkin	Fecal Coliform	86.0	mpn/100mL	10.0	10.0	10.0	10431191	COLILERT-18	E761792	04/07/20 01:30 PM



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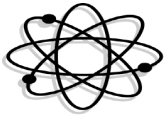
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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 7, 2020
Apr 9, 2020; Invoice: 433390

Quality Report

Quality Control Batch: 10431173		Analyst: EVB						
Blank	Result	Units						
Lead	0.00100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Lead	0.203	mg/L	0.200	101.35	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Lead	0.105	mg/L	0.100	105.30	70.00-130.00	0.00100U	433219GW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Lead	0.104	mg/L	0.100	104.40	70.00-130.00	0.00100U	0.86	40.00
Quality Control Batch: 10431229		Analyst: AJE						
Blank	Result	Units						
Mercury	0.00000908	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000203	mg/L	0.0000200	101.50	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Mercury	0.0000381	mg/L	0.0000500	76.20	80.00-120.00	0.00000500U	433390SW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.0000386	mg/L	0.0000500	77.20	80.00-120.00	0.00000500U	1.30	20.00



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3998 Inner Perimeter Road
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PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 7, 2020
Apr 9, 2020; Invoice: 433390

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 8, 2020
Apr 16, 2020; Invoice: 433607

Report Summary

Date Received: Apr 9, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
433607SW1	Old State Rd	EPA245.1	AJE	Main Lab	Surface Water
433607SW2	River Bend Rd	EPA245.1	AJE	Main Lab	Surface Water
433607SW3	Hicory Grove Rd	COLILERT-18	GMR	North Lab	Surface Water
433607SW4	Johnson Rd	COLILERT-18	GMR	North Lab	Surface Water
433607SW5	PCA Easment	COLILERT-18	GMR	North Lab	Surface Water
433607SW6	Jumping Gully	COLILERT-18	GMR	North Lab	Surface Water
433607SW7	Knight's Ferry	EPA245.1	AJE	Main Lab	Surface Water
433607SW8	Madison Hwy	EPA245.1	AJE	Main Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 8, 2020
Apr 16, 2020; Invoice: 433607

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
433607SW1	04/08/20 10:20 AM	OLd State Rd	Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20
433607SW2	04/08/20 10:50 AM	River Bend Rd	Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20
433607SW3	04/08/20 11:30 AM	Hicory Grove Rd	Fecal Coliform	145	mpn/100mL	10.0	10.0	10.0	10431757	COLILERT-18	E761792	04/08/20 03:30 PM
433607SW4	04/08/20 11:45 AM	Johnson Rd	Fecal Coliform	246	mpn/100mL	10.0	10.0	10.0	10431757	COLILERT-18	E761792	04/08/20 03:30 PM
433607SW5	04/08/20 01:15 PM	PCA Easment	Fecal Coliform	253	mpn/100mL	10.0	10.0	10.0	10431757	COLILERT-18	E761792	04/08/20 03:30 PM
433607SW6	04/08/20 01:45 PM	Jumping Gully	Fecal Coliform	197	mpn/100mL	10.0	10.0	10.0	10431757	COLILERT-18	E761792	04/08/20 03:30 PM
433607SW7	04/08/20 02:10 PM	Knight's Ferry	Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20



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Lovell Engineering Associates
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PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 8, 2020
Apr 16, 2020; Invoice: 433607

Lab #: 433607SW8 Sampled: 04/08/20 02:40 PM Desc: Madison Hwy

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10431229	EPA245.1	7439-97-6	04/09/20



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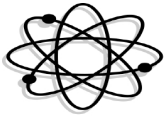
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Lovell Engineering Associates
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PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 8, 2020
Apr 16, 2020; Invoice: 433607

Quality Report

Quality Control Batch: 10431229		Analyst: AJE						
Blank	Result	Units						
Mercury	0.00000908	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000203	mg/L	0.0000200	101.50	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Mercury	0.0000381	mg/L	0.0000500	76.20	80.00-120.00	0.00000500U	433390SW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.0000386	mg/L	0.0000500	77.20	80.00-120.00	0.00000500U	1.30	20.00



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Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 8, 2020
Apr 16, 2020; Invoice: 433607

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

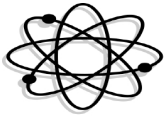
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowdes Co. Impaired
Date Sampled: Apr 14, 2020
Apr 15, 2020; Invoice: 434006

Report Summary

Date Received: Apr 14, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
434006SW1	Staten Road	COLILERT-18	GMR	North Lab	Surface Water
434006SW2	HWY 122 E	COLILERT-18	GMR	North Lab	Surface Water
434006SW3	OLD VALDOSTA RD	COLILERT-18	GMR	North Lab	Surface Water
434006SW4	SHILO RD	COLILERT-18	GMR	North Lab	Surface Water
434006SW5	N VALDOSTA RD	COLILERT-18	GMR	North Lab	Surface Water
434006SW6	WETHERINGTON LANE	COLILERT-18	GMR	North Lab	Surface Water
434006SW7	HWY 84	COLILERT-18	GMR	North Lab	Surface Water
434006SW8	OUSLEY RD	COLILERT-18	GMR	North Lab	Surface Water
434006SW9	CLYATVILLE-NANKIN RD	COLILERT-18	GMR	North Lab	Surface Water
434006SW10	JUMPING GULLEY	COLILERT-18	GMR	North Lab	Surface Water
434006SW11	HICKORY GROVE	COLILERT-18	GMR	North Lab	Surface Water
434006SW12	JOHNSON RD SE	COLILERT-18	GMR	North Lab	Surface Water
434006SW13	B CREEK CYPRESS LAKE	COLILERT-18	GMR	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowdes Co. Impaired
Date Sampled: Apr 14, 2020
Apr 15, 2020; Invoice: 434006

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
434006SW1	04/14/20 09:30 AM	Staten Road	Fecal Coliform	1840	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW2	04/14/20 09:55 AM	HWY 122 E	Fecal Coliform	5790	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW3	04/14/20 10:15 AM	OLD VALDOSTA RD	Fecal Coliform	798	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW4	04/14/20 10:30 AM	SHILO RD	Fecal Coliform	2250	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW5	04/14/20 10:45 AM	N VALDOSTA RD	Fecal Coliform	708	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW6	04/14/20 11:15 AM	WETHERINGTON LANE	Fecal Coliform	520	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW7	04/14/20 11:40 AM	HWY 84	Fecal Coliform	624	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM



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PO #: n/a
Client Project #: Lowdes Co. Impaired
Date Sampled: Apr 14, 2020
Apr 15, 2020; Invoice: 434006

Lab #	Sampled	Desc	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
434006SW8	04/14/20 11:55 AM	OUSLEY RD	Fecal Coliform	754	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW9	04/14/20 12:05 PM	CLYATVILLE-NANKIN RD	Fecal Coliform	3260	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW10	04/14/20 12:25 PM	JUMPING GULLEY	Fecal Coliform	345	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW11	04/14/20 12:50 PM	HICKORY GROVE	Fecal Coliform	6870	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW12	04/14/20 01:05 PM	JOHNSON RD SE	Fecal Coliform	11200	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM
434006SW13	04/14/20 02:00 PM	B CREEK CYPRESS LAKE	Fecal Coliform	51.0	mpn/100mL	10.0	10.0	10.0	10431661	COLILERT-18	E761792	04/14/20 03:00 PM



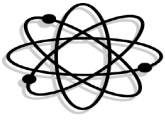
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Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowdes Co. Impaired
Date Sampled: Apr 14, 2020
Apr 15, 2020; Invoice: 434006



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowdes Co. Impaired
Date Sampled: Apr 14, 2020
Apr 15, 2020; Invoice: 434006

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Analytical Report

 [More Reports](#)

Summary						
Client	Lovell Engineering Associates 3998 Inner Perimeter Road Valdosta, GA 31602			Date Sampled	Apr 21, 2020	
PO Number				Date Received	Apr 21, 2020	
Project Number	Lowndes County Impaired			Date Reported	Apr 22, 2020	
Invoice Number	434623			FLDOH #	E83018 (Main Lab)	
Public Water System				FLDOH #	E86562 (South Lab)	
				FLDOH #	E82405 (North Lab)	
				FLDOH #	E35834 (Keys Lab)	
Laboratory Number	Sample Description	Analyses	Chemist	Location	Sample Matrix	
434623SW1	WR2	COLILERT-18	DTB	North Lab	Surface Water	
434623SW2	WR1	COLILERT-18	DTB	North Lab	Surface Water	
434623SW3	FC1	COLILERT-18	DTB	North Lab	Surface Water	
434623SW4	FC2	COLILERT-18	DTB	North Lab	Surface Water	
434623SW5	WR3	COLILERT-18	DTB	North Lab	Surface Water	
434623SW6	WR4	COLILERT-18	DTB	North Lab	Surface Water	
434623SW7	WR5	COLILERT-18	DTB	North Lab	Surface Water	
434623SW8	WRT1	COLILERT-18	DTB	North Lab	Surface Water	
434623SW9	WRT2	COLILERT-18	DTB	North Lab	Surface Water	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

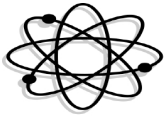
Analysis Report

Sample Description	WR2	Date Sampled	Apr 21, 2020 08:05 AM			QC Batch	Method	Analyzed
Laboratory Number	434623SW1	Result	Units	DF	MDL			
Parameter		465	mpn/100mL	10.0	10.0		COLILERT-18	04/21/20 12:00 PM
Sample Description	WR1	Date Sampled	Apr 21, 2020 08:17 AM			QC Batch	Method	Analyzed
Laboratory Number	434623SW2	Result	Units	DF	MDL			
Parameter		168	mpn/100mL	10.0	10.0		COLILERT-18	04/21/20 12:00 PM
Sample Description	FC1	Date Sampled	Apr 21, 2020 08:40 AM			QC Batch	Method	Analyzed
Laboratory Number	434623SW3	Result	Units	DF	MDL			
Parameter		233	mpn/100mL	10.0	10.0		COLILERT-18	04/21/20 12:00 PM
Sample Description	FC2	Date Sampled	Apr 21, 2020 08:54 AM			QC Batch	Method	Analyzed
Laboratory Number	434623SW4	Result	Units	DF	MDL			
Parameter		437	mpn/100mL	10.0	10.0		COLILERT-18	04/21/20 12:00 PM
Sample Description	WR3	Date Sampled	Apr 21, 2020 09:05 AM			QC Batch	Method	Analyzed
Laboratory Number	434623SW5	Result	Units	DF	MDL			
Parameter		262	mpn/100mL	10.0	10.0		COLILERT-18	04/21/20 12:00 PM
Sample Description	WR4	Date Sampled	Apr 21, 2020 09:40 AM			QC Batch	Method	Analyzed
Laboratory Number	434623SW6	Result	Units	DF	MDL			
Parameter		359	mpn/100mL	10.0	10.0		COLILERT-18	04/21/20 12:00 PM
Sample Description	WR5	Date Sampled	Apr 21, 2020 10:05 AM			QC Batch	Method	Analyzed
Laboratory Number	434623SW7	Result	Units	DF	MDL			
Parameter		231	mpn/100mL	10.0	10.0		COLILERT-18	04/21/20 12:00 PM
Sample Description	WRT1	Date Sampled	Apr 21, 2020 10:23 AM			QC Batch	Method	Analyzed
Laboratory Number	434623SW8	Result	Units	DF	MDL			
Parameter		226	mpn/100mL	10.0	10.0		COLILERT-18	04/21/20 12:00 PM

Sample Description	WRT2	Date Sampled	Apr 21, 2020 10:35 AM				QC Batch	Method	Analyzed
Laboratory Number	434623SW9	Parameter	Result	Units	DF	MDL	Method	Analyzed	
		Fecal Coliform	573	mpn/100mL	10.0	10.0	COLILERT-18	04/21/20 12:00 PM	

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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 22, 2020
Apr 23, 2020; Invoice: 434739

Report Summary

Date Received: Apr 22, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
434739SW1	MC1	COLILERT-18	DTB	North Lab	Surface Water
434739SW2	MC2	COLILERT-18	DTB	North Lab	Surface Water
434739SW3	JG1	COLILERT-18	DTB	North Lab	Surface Water
434739SW4	JG2	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

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Jefferson S. Flowers, Ph.D.
President/Technical Director



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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 22, 2020
Apr 23, 2020; Invoice: 434739

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
434739SW1	04/22/20 08:40 AM	MC1	Fecal Coliform	272	mpn/100mL	10.0	10.0	10.0	10432388	COLILERT-18	E761792	04/22/20 12:00 PM
434739SW2	04/22/20 08:55 AM	MC2	Fecal Coliform	158	mpn/100mL	10.0	10.0	10.0	10432388	COLILERT-18	E761792	04/22/20 12:00 PM
434739SW3	04/22/20 10:35 AM	JG1	Fecal Coliform	73.0	mpn/100mL	10.0	10.0	10.0	10432388	COLILERT-18	E761792	04/22/20 12:00 PM
434739SW4	04/22/20 09:21 AM	JG2	Fecal Coliform	85.0	mpn/100mL	10.0	10.0	10.0	10432388	COLILERT-18	E761792	04/22/20 12:00 PM



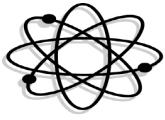
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Lovell Engineering Associates
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Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 22, 2020
Apr 23, 2020; Invoice: 434739



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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 22, 2020
Apr 23, 2020; Invoice: 434739

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Analytical Report

 [More Reports](#)

Summary						
Client	Lovell Engineering Associates 3998 Inner Perimeter Road Valdosta, GA 31602			Date Sampled	Apr 29, 2020	
PO Number				Date Received	Apr 29, 2020	
Project Number	Lowdes County Impaired			Date Reported	Apr 30, 2020	
Invoice Number	435336			FLDOH #	E83018 (Main Lab)	
Public Water System				FLDOH #	E86562 (South Lab)	
				FLDOH #	E82405 (North Lab)	
				FLDOH #	E35834 (Keys Lab)	
	Laboratory Number	Sample Description	Analyses	Chemist	Location	Sample Matrix
	435336SW1	WR2	COLILERT-18	GMR	North Lab	Surface Water
	435336SW2	WR1	COLILERT-18	GMR	North Lab	Surface Water
	435336SW3	FC1	COLILERT-18	GMR	North Lab	Surface Water
	435336SW4	FC2	COLILERT-18	GMR	North Lab	Surface Water
	435336SW5	WR3	COLILERT-18	GMR	North Lab	Surface Water
	435336SW6	WR4	COLILERT-18	GMR	North Lab	Surface Water
	435336SW7	WR5	COLILERT-18	GMR	North Lab	Surface Water
	435336SW8	WRT1	COLILERT-18	GMR	North Lab	Surface Water
	435336SW9	WRT2	COLILERT-18	GMR	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

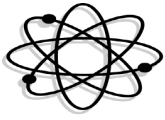
Analysis Report

Sample Description	WR2	Date Sampled	Apr 29, 2020 07:45 AM		QC Batch	Method	Analyzed
Laboratory Number	435336SW1	Result	Units	DF	MDL		
Parameter		84.0	mpn/100mL	10.0	10.0	COLILERT-18	04/29/20 01:30 PM
Sample Description	WR1	Date Sampled	Apr 29, 2020 08:05 AM		QC Batch	Method	Analyzed
Laboratory Number	435336SW2	Result	Units	DF	MDL		
Parameter		63.0	mpn/100mL	10.0	10.0	COLILERT-18	04/29/20 01:30 PM
Sample Description	FC1	Date Sampled	Apr 29, 2020 08:25 AM		QC Batch	Method	Analyzed
Laboratory Number	435336SW3	Result	Units	DF	MDL		
Parameter		173	mpn/100mL	10.0	10.0	COLILERT-18	04/29/20 01:30 PM
Sample Description	FC2	Date Sampled	Apr 29, 2020 08:38 AM		QC Batch	Method	Analyzed
Laboratory Number	435336SW4	Result	Units	DF	MDL		
Parameter		315	mpn/100mL	10.0	10.0	COLILERT-18	04/29/20 01:30 PM
Sample Description	WR3	Date Sampled	Apr 29, 2020 08:48 AM		QC Batch	Method	Analyzed
Laboratory Number	435336SW5	Result	Units	DF	MDL		
Parameter		74.0	mpn/100mL	10.0	10.0	COLILERT-18	04/29/20 01:30 PM
Sample Description	WR4	Date Sampled	Apr 29, 2020 10:13 AM		QC Batch	Method	Analyzed
Laboratory Number	435336SW6	Result	Units	DF	MDL		
Parameter		211	mpn/100mL	10.0	10.0	COLILERT-18	04/29/20 01:30 PM
Sample Description	WR5	Date Sampled	Apr 29, 2020 10:40 AM		QC Batch	Method	Analyzed
Laboratory Number	435336SW7	Result	Units	DF	MDL		
Parameter		145	mpn/100mL	10.0	10.0	COLILERT-18	04/29/20 01:30 PM
Sample Description	WRT1	Date Sampled	Apr 29, 2020 11:00 AM		QC Batch	Method	Analyzed
Laboratory Number	435336SW8	Result	Units	DF	MDL		
Parameter		250	mpn/100mL	10.0	10.0	COLILERT-18	04/29/20 01:30 PM

Sample Description	WRT2	Date Sampled	Apr 29, 2020 11:08 AM				QC Batch	Method	Analyzed
Laboratory Number	435336SW9	Parameter	Result	Units	DF	MDL			
		Fecal Coliform	2910	mpn/100mL	10.0	10.0		COLILERT-18 04/29/20 01:30 PM	

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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 30, 2020
May 4, 2020; Invoice: 435449

Report Summary

Date Received: Apr 30, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
435449SW1	MC1	COLILERT-18	DTB	North Lab	Surface Water
435449SW2	MC2	COLILERT-18	DTB	North Lab	Surface Water
435449SW3	JG1	COLILERT-18	DTB	North Lab	Surface Water
435449SW4	JG2	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

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Jefferson S. Flowers, Ph.D.
President/Technical Director



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 30, 2020
May 4, 2020; Invoice: 435449

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
435449SW1	04/30/20 08:24 AM	MC1	Fecal Coliform	417	mpn/100mL	10.0	10.0	10.0	10433143	COLILERT-18	E761792	04/30/20 12:00 PM
435449SW2	04/30/20 08:41 AM	MC2	Fecal Coliform	909	mpn/100mL	10.0	10.0	10.0	10433143	COLILERT-18	E761792	04/30/20 12:00 PM
435449SW3	04/30/20 09:20 AM	JG1	Fecal Coliform	275	mpn/100mL	10.0	10.0	10.0	10433143	COLILERT-18	E761792	04/30/20 12:00 PM
435449SW4	04/30/20 09:37 AM	JG2	Fecal Coliform	350	mpn/100mL	10.0	10.0	10.0	10433143	COLILERT-18	E761792	04/30/20 12:00 PM



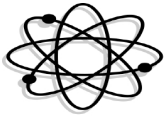
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 30, 2020
May 4, 2020; Invoice: 435449



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Apr 30, 2020
May 4, 2020; Invoice: 435449

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

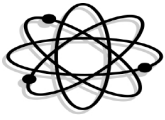
Quality Control

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Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Jun 2, 2020
Jun 8, 2020; Invoice: 438211

Report Summary

Date Received: Jun 2, 2020

FCL Project Manager: William J. Rogers

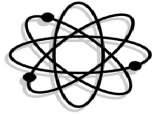
Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
438211SW1	WR2	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	AJE	Main Lab	
438211SW2	WR1	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	AJE	Main Lab	
438211SW3	FC1	COLILERT-18	DTB	North Lab	Surface Water
438211SW4	FC2	COLILERT-18	DTB	North Lab	Surface Water
438211SW5	WR3	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	AJE	Main Lab	
438211SW6	WR4	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	AJE	Main Lab	
		EPA6020	EVB	Main Lab	
438211SW7	WR5	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	AJE	Main Lab	
		EPA6020	EVB	Main Lab	
438211SW8	WRT1	COLILERT-18	DTB	North Lab	Surface Water
438211SW9	FCO	COLILERT-18	DTB	North Lab	Surface Water
438211SW10	WR6	EPA245.1	AJE	Main Lab	Surface Water
438211SW11	JG2	COLILERT-18	DTB	North Lab	Surface Water
438211SW12	JGI	COLILERT-18	DTB	North Lab	Surface Water
438211SW13	WR7	EPA245.1	AJE	Main Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Jun 2, 2020
Jun 8, 2020; Invoice: 438211

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
438211SW1	06/02/20 07:48 AM	WR2	Fecal Coliform	183	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20 02:00 PM
			Mercury	8.80 E-06	mg/L	1.00	0.00000500	0.0000100	10436014	EPA245.1	7439-97-6	06/04/20
438211SW2	06/02/20 08:08 AM	WR1	Fecal Coliform	288	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20 02:00 PM
			Mercury	7.80 E-06	mg/L	1.00	0.00000500	0.0000100	10436014	EPA245.1	7439-97-6	06/04/20
438211SW3	06/02/20 08:30 AM	FC1	Fecal Coliform	481	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20 02:00 PM
438211SW4	06/02/20 08:40 AM	FC2	Fecal Coliform	759	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20 02:00 PM
438211SW5	06/02/20 08:50 AM	WR3	Fecal Coliform	315	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20 02:00 PM
			Mercury	0.00000500 U	mg/L	1.00	0.00000500	0.0000100	10436014	EPA245.1	7439-97-6	06/04/20
438211SW6	06/02/20 09:07 AM	WR4	Fecal Coliform	206	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20 02:00 PM
			Mercury	1.14 E-05	mg/L	1.00	0.00000500	0.0000100	10436014	EPA245.1	7439-97-6	06/04/20
			Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10436240	EPA6020	7439-92-1	06/04/20



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Jun 2, 2020
Jun 8, 2020; Invoice: 438211

Lab #: 438211SW7 Sampled: 06/02/20 09:40 AM Desc: WR5										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	298	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20	02:00 PM
Mercury	0.00000500 U	mg/L	1.00	0.00000500	0.0000100	10436014	EPA245.1	7439-97-6	06/04/20	
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10436240	EPA6020	7439-92-1	06/04/20	

Lab #: 438211SW8 Sampled: 06/02/20 10:20 AM Desc: WRT1										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	373	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20	02:00 PM

Lab #: 438211SW9 Sampled: 06/02/20 08:20 AM Desc: FCO										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	798	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20	02:00 PM

Lab #: 438211SW10 Sampled: 06/02/20 10:05 AM Desc: WR6										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Mercury	2.19 E-05	mg/L	1.00	0.00000500	0.0000100	10436014	EPA245.1	7439-97-6	06/04/20	

Lab #: 438211SW11 Sampled: 06/02/20 10:42 AM Desc: JG2										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	247	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20	02:00 PM

Lab #: 438211SW12 Sampled: 06/02/20 11:07 AM Desc: JGI										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	341	mpn/100mL	10.0	10.0	10.0	10435857	COLILERT-18	E761792	06/02/20	02:00 PM

Lab #: 438211SW13 Sampled: 06/02/20 11:50 AM Desc: WR7										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Mercury	5.80 E-06	mg/L	1.00	0.00000500	0.0000100	10436014	EPA245.1	7439-97-6	06/04/20	



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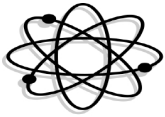
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Client Project #: Lowndes County Impaired
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Quality Report

Quality Control Batch: 10436014		Analyst: AJE						
Blank	Result	Units						
Mercury	0.00000500U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000210	mg/L	0.0000200	105.00	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Mercury	0.0000537	mg/L	0.0000500	107.40	80.00-120.00	0.00000500U	438134WW5	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.0000537	mg/L	0.0000500	107.40	80.00-120.00	0.00000500U	0.00	20.00
Quality Control Batch: 10436240		Analyst: EVB						
Blank	Result	Units						
Lead	0.00100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Lead	0.105	mg/L	0.100	104.80	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Lead	0.117	mg/L	0.100	117.20	75.00-125.00	0.00100U	438580DW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Lead	0.113	mg/L	0.100	112.60	75.00-125.00	0.00100U	4.00	20.00



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Valdosta, GA 31602

PO #: n/a
Client Project #: Lowndes County Impaired
Date Sampled: Jun 2, 2020
Jun 8, 2020; Invoice: 438211

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

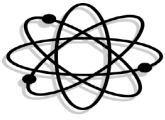
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWDES COUNTY IMPAIRED
Date Sampled: Jun 3, 2020
Jun 11, 2020; Invoice: 438352

Report Summary

Date Received: Jun 3, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
438352SW1	AR1	EPA245.1	AJE	Main Lab	Surface Water
438352SW2	AR2	EPA245.1	AJE	Main Lab	Surface Water
438352SW3	MC1	COLILERT-18	DTB	North Lab	Surface Water
438352SW4	MC2	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



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PO #: n/a
Client Project #: LOWDES COUNTY IMPAIRED
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Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
438352SW1	06/03/20 08:50 AM	AR1	Mercury	8.20 E-06	mg/L	1.00	0.0000050	0.0000100	10436569	EPA245.1	7439-97-6	06/11/20
438352SW2	06/03/20 09:30 AM	AR2	Mercury	1.46 E-05	mg/L	1.00	0.0000050	0.0000100	10436569	EPA245.1	7439-97-6	06/11/20
438352SW3	06/03/20 10:32 AM	MC1	Fecal Coliform	201	mpn/100mL	10.0	10.0	10.0	10436035	COLILERT-18	E761792	06/03/20 01:00 PM
438352SW4	06/03/20 10:45 AM	MC2	Fecal Coliform	187	mpn/100mL	10.0	10.0	10.0	10436035	COLILERT-18	E761792	06/03/20 01:00 PM



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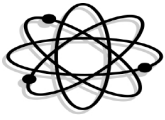
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Date Sampled: Jun 3, 2020
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Quality Report

Quality Control Batch: 10436569	Analyst: AJE							
Blank	Result	Units						
Mercury	0.00000500U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000207	mg/L	0.0000200	103.50	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Mercury	0.0000539	mg/L	0.0000500	107.80	80.00-120.00	0.00000500U	438661WW5	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.0000528	mg/L	0.0000500	105.60	80.00-120.00	0.00000500U	2.06	20.00



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Narrative Report

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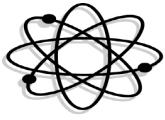
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V	Analyte was detected in both the sample and the associated method blank.
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Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
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G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 10, 2020
Jun 11, 2020; Invoice: 439104

Report Summary

Date Received: Jun 10, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
439104SW1	WR2	COLILERT-18	GMR	North Lab	Surface Water
439104SW2	WR1	COLILERT-18	GMR	North Lab	Surface Water
439104SW3	FC1	COLILERT-18	GMR	North Lab	Surface Water
439104SW4	FC2	COLILERT-18	GMR	North Lab	Surface Water
439104SW5	WR3	COLILERT-18	GMR	North Lab	Surface Water
439104SW6	WR4	COLILERT-18	GMR	North Lab	Surface Water
439104SW7	WR5	COLILERT-18	GMR	North Lab	Surface Water
439104SW8	WRT1	COLILERT-18	GMR	North Lab	Surface Water
439104SW9	WRT2	COLILERT-18	GMR	North Lab	Surface Water
439104SW10	MC1	COLILERT-18	GMR	North Lab	Surface Water
439104SW11	MC2	COLILERT-18	GMR	North Lab	Surface Water
439104SW12	JG1	COLILERT-18	GMR	North Lab	Surface Water
439104SW13	JG2	COLILERT-18	GMR	North Lab	Surface Water
439104SW14	FC0	COLILERT-18	GMR	North Lab	Surface Water

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PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 10, 2020
Jun 11, 2020; Invoice: 439104

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
439104SW1	06/10/20 07:18 AM	WR2	Fecal Coliform	1070	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW2	06/10/20 07:37 AM	WR1	Fecal Coliform	6870	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW3	06/10/20 08:00 AM	FC1	Fecal Coliform	4360	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW4	06/10/20 08:15 AM	FC2	Fecal Coliform	3780	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW5	06/10/20 07:00 AM	WR3	Fecal Coliform	911	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW6	06/10/20 08:25 AM	WR4	Fecal Coliform	984	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW7	06/10/20 08:45 AM	WR5	Fecal Coliform	3280	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM



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Jun 11, 2020; Invoice: 439104

Lab #	Sampled	Desc	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
439104SW8	06/10/20 09:05 AM	WRT1	Fecal Coliform	832	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW9	06/10/20 09:16 AM	WRT2	Fecal Coliform	987	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW10	06/10/20 10:37 AM	MC1	Fecal Coliform	9210	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW11	06/10/20 10:48 AM	MC2	Fecal Coliform	624	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW12	06/10/20 09:58 AM	JG1	Fecal Coliform	350	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW13	06/10/20 09:33 AM	JG2	Fecal Coliform	256	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM
439104SW14	06/10/20 07:50 AM	FC0	Fecal Coliform	959	mpn/100mL	10.0	10.0	10.0	10436554	COLILERT-18	E761792	06/10/20 12:50 PM



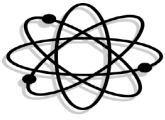
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Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 10, 2020
Jun 11, 2020; Invoice: 439104



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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 10, 2020
Jun 11, 2020; Invoice: 439104

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

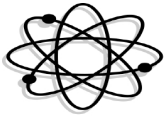
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 17, 2020
Jun 19, 2020; Invoice: 439770

Report Summary

Date Received: Jun 17, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
439770SW1	WR3	COLILERT-18	CWF	North Lab	Surface Water
439770SW2	WR2	COLILERT-18	CWF	North Lab	Surface Water
439770SW3	WR1	COLILERT-18	CWF	North Lab	Surface Water
439770SW4	FC0	COLILERT-18	CWF	North Lab	Surface Water
439770SW5	FC1	COLILERT-18	CWF	North Lab	Surface Water
439770SW6	FC2	COLILERT-18	CWF	North Lab	Surface Water
439770SW7	WR4	COLILERT-18	CWF	North Lab	Surface Water
439770SW8	WR5	COLILERT-18	CWF	North Lab	Surface Water
439770SW9	WRT1	COLILERT-18	CWF	North Lab	Surface Water
439770SW10	WRT2	COLILERT-18	CWF	North Lab	Surface Water
439770SW11	JG2	COLILERT-18	CWF	North Lab	Surface Water
439770SW12	JG1	COLILERT-18	CWF	North Lab	Surface Water
439770SW13	MC1	COLILERT-18	CWF	North Lab	Surface Water
439770SW14	MC2	COLILERT-18	CWF	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 17, 2020
Jun 19, 2020; Invoice: 439770

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
439770SW1	06/17/20 06:55 AM	WR3	Fecal Coliform	521	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW2	06/17/20 07:10 AM	WR2	Fecal Coliform	1960	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW3	06/17/20 07:40 AM	WR1	Fecal Coliform	2280	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW4	06/17/20 07:53 AM	FC0	Fecal Coliform	404	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW5	06/17/20 08:02 AM	FC1	Fecal Coliform	650	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW6	06/17/20 08:16 AM	FC2	Fecal Coliform	457	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW7	06/17/20 08:26 AM	WR4	Fecal Coliform	384	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM



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Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 17, 2020
Jun 19, 2020; Invoice: 439770

Lab #	Sampled	Desc	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
439770SW8	06/17/20 08:48 AM	WR5	Fecal Coliform	464	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW9	06/17/20 09:06 AM	WRT1	Fecal Coliform	404	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW10	06/17/20 09:17 AM	WRT2	Fecal Coliform	2490	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW11	06/17/20 09:34 AM	JG2	Fecal Coliform	171	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW12	06/17/20 10:05 AM	JG1	Fecal Coliform	108	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW13	06/17/20 10:43 AM	MC1	Fecal Coliform	644	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM
439770SW14	06/17/20 10:55 AM	MC2	Fecal Coliform	548	mpn/100mL	10.0	10.0	10.0	10437261	COLILERT-18	E761792	06/17/20 12:50 PM



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PO #: n/a
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Date Sampled: Jun 17, 2020
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PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 17, 2020
Jun 19, 2020; Invoice: 439770

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

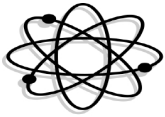
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 24, 2020
Jun 25, 2020; Invoice: 440389

Report Summary

Date Received: Jun 24, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
440389SW1	WR2	COLILERT-18	DTB	North Lab	Surface Water
440389SW2	WR1	COLILERT-18	DTB	North Lab	Surface Water
440389SW3	FCO	COLILERT-18	DTB	North Lab	Surface Water
440389SW4	FC1	COLILERT-18	DTB	North Lab	Surface Water
440389SW5	FC2	COLILERT-18	DTB	North Lab	Surface Water
440389SW6	WR3	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



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PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 24, 2020
Jun 25, 2020; Invoice: 440389

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
440389SW1	06/24/20 07:30 AM	WR2	Fecal Coliform	134	mpn/100mL	10.0	10.0	10.0	10437690	COLILERT-18	E761792	06/24/20 11:00 AM
440389SW2	06/24/20 07:48 AM	WR1	Fecal Coliform	97.0	mpn/100mL	10.0	10.0	10.0	10437690	COLILERT-18	E761792	06/24/20 11:00 AM
440389SW3	06/24/20 08:02 AM	FCO	Fecal Coliform	359	mpn/100mL	10.0	10.0	10.0	10437690	COLILERT-18	E761792	06/24/20 11:00 AM
440389SW4	06/24/20 08:12 AM	FC1	Fecal Coliform	959	mpn/100mL	10.0	10.0	10.0	10437690	COLILERT-18	E761792	06/24/20 11:00 AM
440389SW5	06/24/20 08:25 AM	FC2	Fecal Coliform	475	mpn/100mL	10.0	10.0	10.0	10437690	COLILERT-18	E761792	06/24/20 11:00 AM
440389SW6	06/24/20 08:36 AM	WR3	Fecal Coliform	121	mpn/100mL	10.0	10.0	10.0	10437690	COLILERT-18	E761792	06/24/20 11:00 AM



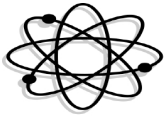
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Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 24, 2020
Jun 25, 2020; Invoice: 440389



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PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 24, 2020
Jun 25, 2020; Invoice: 440389

Narrative Report

Sample Handling

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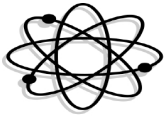
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 25, 2020
Jun 26, 2020; Invoice: 440542

Report Summary

Date Received: Jun 25, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
440542SW1	WR4	COLILERT-18	CWF	North Lab	Surface Water
440542SW2	WR5	COLILERT-18	CWF	North Lab	Surface Water
440542SW3	WRT1	COLILERT-18	CWF	North Lab	Surface Water
440542SW4	WRT2	COLILERT-18	CWF	North Lab	Surface Water
440542SW5	JG2	COLILERT-18	CWF	North Lab	Surface Water
440542SW6	JG1	COLILERT-18	CWF	North Lab	Surface Water
440542SW7	MC1	COLILERT-18	CWF	North Lab	Surface Water
440542SW8	MC2	COLILERT-18	CWF	North Lab	Surface Water

Certificate of Results

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President/Technical Director



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 25, 2020
Jun 26, 2020; Invoice: 440542

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
440542SW1	06/25/20 07:15 AM	WR4	Fecal Coliform	3450	mpn/100mL	10.0	10.0	10.0	10437795	COLILERT-18	E761792	06/25/20 12:00 PM
440542SW2	06/25/20 07:36 AM	WR5	Fecal Coliform	320	mpn/100mL	10.0	10.0	10.0	10437795	COLILERT-18	E761792	06/25/20 12:00 PM
440542SW3	06/25/20 07:56 AM	WRT1	Fecal Coliform	1400	mpn/100mL	10.0	10.0	10.0	10437795	COLILERT-18	E761792	06/25/20 12:00 PM
440542SW4	06/25/20 08:06 AM	WRT2	Fecal Coliform	428	mpn/100mL	10.0	10.0	10.0	10437795	COLILERT-18	E761792	06/25/20 12:00 PM
440542SW5	06/25/20 08:26 AM	JG2	Fecal Coliform	108	mpn/100mL	10.0	10.0	10.0	10437795	COLILERT-18	E761792	06/25/20 12:00 PM
440542SW6	06/25/20 08:47 AM	JG1	Fecal Coliform	85.0	mpn/100mL	10.0	10.0	10.0	10437795	COLILERT-18	E761792	06/25/20 12:00 PM
440542SW7	06/25/20 09:22 AM	MC1	Fecal Coliform	638	mpn/100mL	10.0	10.0	10.0	10437795	COLILERT-18	E761792	06/25/20 12:00 PM



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Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LOWNDES COUNTY IMPAIRED
Date Sampled: Jun 25, 2020
Jun 26, 2020; Invoice: 440542

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
440542SW8	06/25/20 09:36 AM	MC2	Fecal Coliform	620	mpn/100mL	10.0	10.0	10.0	10437795	COLILERT-18	E761792	06/25/20 12:00 PM



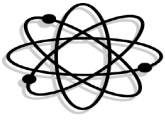
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Narrative Report

Sample Handling

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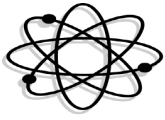
Quality Control

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Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
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V	Analyte was detected in both the sample and the associated method blank.
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P	Present
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Sep 1, 2020
Sep 8, 2020; Invoice: 447497

Report Summary

Date Received: Sep 8, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
447497SW1	FC 0	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Sep 1, 2020
Sep 8, 2020; Invoice: 447497

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
447497SW1	09/01/20 08:40 AM	FC 0	Fecal Coliform	554	mpn/100mL	10.0	10.0	10.0	10444022	COLILERT-18	E761792	09/01/20 12:00 PM



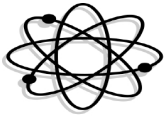
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PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Sep 1, 2020
Sep 8, 2020; Invoice: 447497

Narrative Report

Sample Handling

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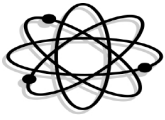
Quality Control

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Attachments

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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Sep 1, 2020
Sep 8, 2020; Invoice: 446801

Report Summary

Date Received: Sep 1, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
446801SW1	WR 2	COLILERT-18 EPA245.1	DTB AJE	North Lab Main Lab	Surface Water
446801SW2	WR 1	COLILERT-18 EPA245.1	DTB AJE	North Lab Main Lab	Surface Water
446801SW3	FC 0				Surface Water
446801SW4	FC 1	COLILERT-18	DTB	North Lab	Surface Water
446801SW5	FC 2	COLILERT-18	DTB	North Lab	Surface Water
446801SW6	WR 3	COLILERT-18 EPA245.1	DTB AJE	North Lab Main Lab	Surface Water
446801SW7	WR 4	COLILERT-18 EPA245.1 EPA6020B	DTB AJE EVB	North Lab Main Lab Main Lab	Surface Water
446801SW8	WR 5	COLILERT-18 EPA245.1 EPA6020B	DTB AJE EVB	North Lab Main Lab Main Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Sep 1, 2020
Sep 8, 2020; Invoice: 446801

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
446801SW1	09/01/20 08:10 AM	WR 2	Mercury	8.80 E-06	mg/L	1.00	0.0000050	0.0000100	10443686	EPA245.1	7439-97-6	09/03/20
			Fecal Coliform	247	mpn/100mL	10.0	10.0	10.0	10443790	COLILERT-18	E761792	09/01/20 12:00 PM
446801SW2	09/01/20 08:26 AM	WR 1	Mercury	1.02 E-05	mg/L	1.00	0.0000050	0.0000100	10443686	EPA245.1	7439-97-6	09/03/20
			Fecal Coliform	199	mpn/100mL	10.0	10.0	10.0	10443790	COLILERT-18	E761792	09/01/20 12:00 PM
446801SW3	09/01/20 08:40 AM	FC 0	Fecal Coliform	1320	mpn/100mL	10.0	10.0	10.0	10443957	COLILERT-18	E761792	09/01/20 12:00 PM
446801SW4	09/01/20 08:49 AM	FC 1	Fecal Coliform	1450	mpn/100mL	10.0	10.0	10.0	10443957	COLILERT-18	E761792	09/01/20 12:00 PM
446801SW5	09/01/20 09:02 AM	FC 2	Fecal Coliform	179	mpn/100mL	10.0	10.0	10.0	10443957	COLILERT-18	E761792	09/01/20 12:00 PM
446801SW6	09/01/20 09:12 AM	WR 3	Mercury	9.80 E-06	mg/L	1.00	0.0000050	0.0000100	10443686	EPA245.1	7439-97-6	09/03/20
			Fecal Coliform	179	mpn/100mL	10.0	10.0	10.0	10443957	COLILERT-18	E761792	09/01/20 12:00 PM
446801SW7	09/01/20 09:35 AM	WR 4	Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10443659	EPA6020B	7439-92-1	09/02/20



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Valdosta, GA 31602

PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Sep 1, 2020
Sep 8, 2020; Invoice: 446801

Lab #: 446801SW7 Sampled: 09/01/20 09:35 AM Desc: WR 4									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Mercury	6.50 E-06	mg/L	1.00	0.0000050	0.0000100	10443686	EPA245.1	7439-97-6	09/03/20
Fecal Coliform	520	mpn/100mL	10.0	10.0	10.0	10443957	COLILERT-18	E761792	09/01/20 12:00 PM

Lab #: 446801SW8 Sampled: 09/01/20 10:00 AM Desc: WR 5									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10443659	EPA6020B	7439-92-1	09/02/20
Mercury	8.60 E-06	mg/L	1.00	0.0000050	0.0000100	10443686	EPA245.1	7439-97-6	09/03/20
Fecal Coliform	285	mpn/100mL	10.0	10.0	10.0	10443957	COLILERT-18	E761792	09/01/20 12:00 PM



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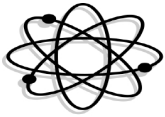
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PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Sep 1, 2020
Sep 8, 2020; Invoice: 446801

Quality Report

Quality Control Batch: 10443659	Analyst: EVB							
Blank	Result	Units						
Lead	0.00100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Lead	0.108	mg/L	0.100	107.60	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Lead	0.0989	mg/L	0.100	98.90	75.00-125.00	0.00100U	446731SW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Lead	0.0999	mg/L	0.100	99.90	75.00-125.00	0.00100U	1.01	20.00
Quality Control Batch: 10443686	Analyst: AJE							
Blank	Result	Units						
Mercury	0.00000500U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000197	mg/L	0.0000200	98.50	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Mercury	0.0000498	mg/L	0.0000500	99.60	80.00-120.00	0.00000500U	446731SW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.0000500	mg/L	0.0000500	100.00	80.00-120.00	0.00000500U	0.40	20.00



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PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Sep 1, 2020
Sep 8, 2020; Invoice: 446801

Narrative Report

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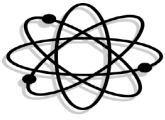
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3998 Inner Perimeter Road
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PO #: n/a
Client Project #: LCI
Date Sampled: Sep 2, 2020
Sep 3, 2020; Invoice: 446976

Report Summary

Date Received: Sep 2, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
446976SW1	AR 1	EPA245.1	AJE	Main Lab	Surface Water
446976SW2	AR 2	EPA245.1	AJE	Main Lab	Surface Water
446976SW3	MC 2	COLILERT-18	GMR	North Lab	Surface Water
446976SW4	MC 1	COLILERT-18	GMR	North Lab	Surface Water
446976SW5	WR 6	EPA245.1	AJE	Main Lab	Surface Water
446976SW6	WRT 1	COLILERT-18	GMR	North Lab	Surface Water
446976SW7	JG 2	COLILERT-18	GMR	North Lab	Surface Water
446976SW8	WR 7	EPA245.1	AJE	Main Lab	Surface Water

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PO #: n/a
Client Project #: LCI
Date Sampled: Sep 2, 2020
Sep 3, 2020; Invoice: 446976

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
446976SW1	09/02/20 08:52 AM	AR 1	Mercury	7.90 E-06	mg/L	1.00	0.0000050	0.0000100	10443687	EPA245.1	7439-97-6	09/03/20
446976SW2	09/02/20 09:27 AM	AR 2	Mercury	6.30 E-06	mg/L	1.00	0.0000050	0.0000100	10443687	EPA245.1	7439-97-6	09/03/20
446976SW3	09/02/20 10:03 AM	MC 2	Fecal Coliform	355	mpn/100mL	10.0	10.0	10.0	10443673	COLILERT-18	E761792	09/02/20 01:30 PM
446976SW4	09/02/20 10:15 AM	MC 1	Fecal Coliform	538	mpn/100mL	10.0	10.0	10.0	10443673	COLILERT-18	E761792	09/02/20 01:30 PM
446976SW5	09/02/20 10:55 AM	WR 6	Mercury	6.30 E-06	mg/L	1.00	0.0000050	0.0000100	10443687	EPA245.1	7439-97-6	09/03/20
446976SW6	09/02/20 11:13 AM	WRT 1	Fecal Coliform	259	mpn/100mL	10.0	10.0	10.0	10443673	COLILERT-18	E761792	09/02/20 01:30 PM
446976SW7	09/02/20 11:41 AM	JG 2	Fecal Coliform	384	mpn/100mL	10.0	10.0	10.0	10443673	COLILERT-18	E761792	09/02/20 01:30 PM



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 2, 2020
Sep 3, 2020; Invoice: 446976

Lab #: 446976SW8 Sampled: 09/02/20 11:57 AM Desc: WR 7

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Mercury	7.50 E-06	mg/L	1.00	0.0000050	(0.0000100	10443687	EPA245.1	7439-97-6	09/03/20



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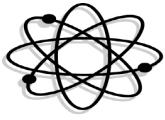
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 2, 2020
Sep 3, 2020; Invoice: 446976

Quality Report

Quality Control Batch: 10443687		Analyst: AJE						
Blank	Result	Units						
Mercury	0.00000500U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000197	mg/L	0.0000200	98.50	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Mercury	0.0000498	mg/L	0.0000500	99.60	80.00-120.00	0.00000500U	446731SW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.0000500	mg/L	0.0000500	100.00	80.00-120.00	0.00000500U	0.40	20.00



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Lovell Engineering Associates
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PO #: n/a
Client Project #: LCI
Date Sampled: Sep 2, 2020
Sep 3, 2020; Invoice: 446976

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 8, 2020
Sep 9, 2020; Invoice: 447421

Report Summary

Date Received: Sep 8, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
447421SW1	WR2	COLILERT-18	CWF	North Lab	Surface Water
447421SW2	WR1	COLILERT-18	CWF	North Lab	Surface Water
447421SW3	FC0	COLILERT-18	CWF	North Lab	Surface Water
447421SW4	FC1	COLILERT-18	CWF	North Lab	Surface Water
447421SW5	FC2	COLILERT-18	CWF	North Lab	Surface Water
447421SW6	WR3	COLILERT-18	CWF	North Lab	Surface Water
447421SW7	WR4	COLILERT-18	CWF	North Lab	Surface Water
447421SW8	WR5	COLILERT-18	CWF	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 8, 2020
Sep 9, 2020; Invoice: 447421

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
447421SW1	09/08/20 08:40 AM	WR2	Fecal Coliform	173	mpn/100mL	10.0	10.0	10.0	10444035	COLILERT-18	E761792	09/08/20 01:00 PM
447421SW2	09/08/20 09:00 AM	WR1	Fecal Coliform	120	mpn/100mL	10.0	10.0	10.0	10444035	COLILERT-18	E761792	09/08/20 01:00 PM
447421SW3	09/08/20 09:14 AM	FC0	Fecal Coliform	638	mpn/100mL	10.0	10.0	10.0	10444035	COLILERT-18	E761792	09/08/20 01:00 PM
447421SW4	09/08/20 09:25 AM	FC1	Fecal Coliform	842	mpn/100mL	10.0	10.0	10.0	10444035	COLILERT-18	E761792	09/08/20 01:00 PM
447421SW5	09/08/20 09:40 AM	FC2	Fecal Coliform	520	mpn/100mL	10.0	10.0	10.0	10444035	COLILERT-18	E761792	09/08/20 01:00 PM
447421SW6	09/08/20 09:52 AM	WR3	Fecal Coliform	291	mpn/100mL	10.0	10.0	10.0	10444035	COLILERT-18	E761792	09/08/20 01:00 PM
447421SW7	09/08/20 10:15 AM	WR4	Fecal Coliform	146	mpn/100mL	10.0	10.0	10.0	10444035	COLILERT-18	E761792	09/08/20 01:00 PM



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Date Sampled: Sep 8, 2020
Sep 9, 2020; Invoice: 447421

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
447421SW8	09/08/20 10:44 AM	WR5	Fecal Coliform	134	mpn/100mL	10.0	10.0	10.0	10444035	COLILERT-18	E761792	09/08/20 01:00 PM



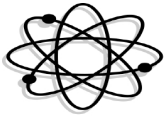
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PO #: n/a
Client Project #: LCI
Date Sampled: Sep 8, 2020
Sep 9, 2020; Invoice: 447421

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

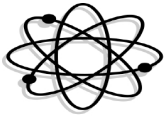
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 9, 2020
Sep 10, 2020; Invoice: 447520

Report Summary

Date Received: Sep 9, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
447520SW1	MC 1	COLILERT-18	DTB	North Lab	Surface Water
447520SW2	MC 2	COLILERT-18	DTB	North Lab	Surface Water
447520SW3	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
447520SW4	JG 2	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 9, 2020
Sep 10, 2020; Invoice: 447520

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
447520SW1	09/09/20 07:32 AM	MC 1	Fecal Coliform	1070	mpn/100mL	10.0	10.0	10.0	10444151	COLILERT-18	E761792	09/09/20 11:30 AM
447520SW2	09/09/20 07:42 AM	MC 2	Fecal Coliform	959	mpn/100mL	10.0	10.0	10.0	10444151	COLILERT-18	E761792	09/09/20 11:30 AM
447520SW3	09/09/20 08:34 AM	WRT 1	Fecal Coliform	743	mpn/100mL	10.0	10.0	10.0	10444151	COLILERT-18	E761792	09/09/20 11:30 AM
447520SW4	09/09/20 08:57 AM	JG 2	Fecal Coliform	591	mpn/100mL	10.0	10.0	10.0	10444151	COLILERT-18	E761792	09/09/20 11:30 AM



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Client Project #: LCI
Date Sampled: Sep 9, 2020
Sep 10, 2020; Invoice: 447520

Narrative Report

Sample Handling

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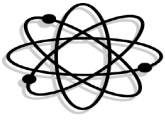
Quality Control

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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 14, 2020
Sep 15, 2020; Invoice: 448010

Report Summary

Date Received: Sep 14, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
448010SW1	MC 2	COLILERT-18	DTB	North Lab	Surface Water
448010SW2	MC 1	COLILERT-18	DTB	North Lab	Surface Water
448010SW3	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
448010SW4	JG 2	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 14, 2020
Sep 15, 2020; Invoice: 448010

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
448010SW1	09/14/20 09:08 AM	MC 2	Fecal Coliform	538	mpn/100mL	10.0	10.0	10.0	10444534	COLILERT-18	E761792	09/14/20 12:00 PM
448010SW2	09/14/20 09:20 AM	MC 1	Fecal Coliform	826	mpn/100mL	10.0	10.0	10.0	10444534	COLILERT-18	E761792	09/14/20 12:00 PM
448010SW3	09/14/20 10:10 AM	WRT 1	Fecal Coliform	318	mpn/100mL	10.0	10.0	10.0	10444534	COLILERT-18	E761792	09/14/20 12:00 PM
448010SW4	09/14/20 10:35 AM	JG 2	Fecal Coliform	1200	mpn/100mL	10.0	10.0	10.0	10444534	COLILERT-18	E761792	09/14/20 12:00 PM



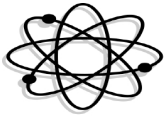
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Narrative Report

Sample Handling

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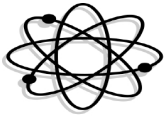
Quality Control

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Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 15, 2020
Sep 16, 2020; Invoice: 448137

Report Summary

Date Received: Sep 15, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
448137SW1	WR 2	COLILERT-18	DTB	North Lab	Surface Water
448137SW2	WR 1	COLILERT-18	DTB	North Lab	Surface Water
448137SW3	FC0	COLILERT-18	DTB	North Lab	Surface Water
448137SW4	FC 1	COLILERT-18	DTB	North Lab	Surface Water
448137SW5	FC 2	COLILERT-18	DTB	North Lab	Surface Water
448137SW6	WR 4	COLILERT-18	DTB	North Lab	Surface Water
448137SW7	WR 3	COLILERT-18	DTB	North Lab	Surface Water
448137SW8	WR 5	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 15, 2020
Sep 16, 2020; Invoice: 448137

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
448137SW1	09/15/20 08:50 AM	WR 2	Fecal Coliform	292	mpn/100mL	10.0	10.0	10.0	10444675	COLILERT-18	E761792	09/15/20 01:00 PM
448137SW2	09/15/20 09:15 AM	WR 1	Fecal Coliform	158	mpn/100mL	10.0	10.0	10.0	10444675	COLILERT-18	E761792	09/15/20 01:00 PM
448137SW3	09/15/20 09:32 AM	FC0	Fecal Coliform	1370	mpn/100mL	10.0	10.0	10.0	10444675	COLILERT-18	E761792	09/15/20 01:00 PM
448137SW4	09/15/20 09:40 AM	FC 1	Fecal Coliform	1950	mpn/100mL	10.0	10.0	10.0	10444675	COLILERT-18	E761792	09/15/20 01:00 PM
448137SW5	09/15/20 09:55 AM	FC 2	Fecal Coliform	845	mpn/100mL	10.0	10.0	10.0	10444675	COLILERT-18	E761792	09/15/20 01:00 PM
448137SW6	09/15/20 10:30 AM	WR 4	Fecal Coliform	185	mpn/100mL	10.0	10.0	10.0	10444675	COLILERT-18	E761792	09/15/20 01:00 PM
448137SW7	09/15/20 10:05 AM	WR 3	Fecal Coliform	1680	mpn/100mL	10.0	10.0	10.0	10444675	COLILERT-18	E761792	09/15/20 01:00 PM



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PO #: n/a
Client Project #: LCI
Date Sampled: Sep 15, 2020
Sep 16, 2020; Invoice: 448137

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
448137SW8	09/15/20 10:50 AM	WR 5	Fecal Coliform	120	mpn/100mL	10.0	10.0	10.0	10444675	COLILERT-18	E761792	09/15/20 01:00 PM



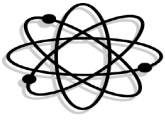
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PO #: n/a
Client Project #: LCI
Date Sampled: Sep 15, 2020
Sep 16, 2020; Invoice: 448137

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

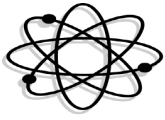
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
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Z	Too numerous to count colonies on plate.
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P	Present
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M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
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I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 22, 2020
Sep 23, 2020; Invoice: 448866

Report Summary

Date Received: Sep 22, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
448866SW1	WR 2	COLILERT-18	DTB	North Lab	Surface Water
448866SW2	WR 1	COLILERT-18	DTB	North Lab	Surface Water
448866SW3	FC 0	COLILERT-18	DTB	North Lab	Surface Water
448866SW4	FC 1	COLILERT-18	DTB	North Lab	Surface Water
448866SW5	FC 2	COLILERT-18	DTB	North Lab	Surface Water
448866SW6	WR 3	COLILERT-18	DTB	North Lab	Surface Water
448866SW7	WR 4	COLILERT-18	DTB	North Lab	Surface Water
448866SW8	WR 5	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 22, 2020
Sep 23, 2020; Invoice: 448866

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
448866SW1	09/22/20 07:50 AM	WR 2	Fecal Coliform	1300	mpn/100mL	10.0	10.0	10.0	10445332	COLILERT-18	E761792	09/22/20 12:00 PM
448866SW2	09/22/20 08:10 AM	WR 1	Fecal Coliform	959	mpn/100mL	10.0	10.0	10.0	10445332	COLILERT-18	E761792	09/22/20 12:00 PM
448866SW3	09/22/20 09:08 AM	FC 0	Fecal Coliform	211	mpn/100mL	10.0	10.0	10.0	10445332	COLILERT-18	E761792	09/22/20 12:00 PM
448866SW4	09/22/20 09:18 AM	FC 1	Fecal Coliform	368	mpn/100mL	10.0	10.0	10.0	10445332	COLILERT-18	E761792	09/22/20 12:00 PM
448866SW5	09/22/20 09:31 AM	FC 2	Fecal Coliform	457	mpn/100mL	10.0	10.0	10.0	10445332	COLILERT-18	E761792	09/22/20 12:00 PM
448866SW6	09/22/20 09:42 AM	WR 3	Fecal Coliform	983	mpn/100mL	10.0	10.0	10.0	10445332	COLILERT-18	E761792	09/22/20 12:00 PM
448866SW7	09/22/20 10:03 AM	WR 4	Fecal Coliform	285	mpn/100mL	10.0	10.0	10.0	10445332	COLILERT-18	E761792	09/22/20 12:00 PM



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PO #: n/a
Client Project #: LCI
Date Sampled: Sep 22, 2020
Sep 23, 2020; Invoice: 448866

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
448866SW8	09/22/20 10:23 AM	WR 5	Fecal Coliform	379	mpn/100mL	10.0	10.0	10.0	10445332	COLILERT-18	E761792	09/22/20 12:00 PM



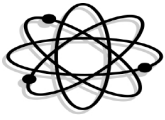
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PO #: n/a
Client Project #: LCI
Date Sampled: Sep 22, 2020
Sep 23, 2020; Invoice: 448866



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 22, 2020
Sep 23, 2020; Invoice: 448866

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

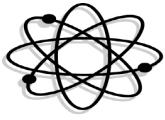
Quality Control

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Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
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M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 23, 2020
Sep 24, 2020; Invoice: 449016

Report Summary

Date Received: Sep 23, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
449016SW1	MC 2	COLILERT-18	DTB	North Lab	Surface Water
449016SW2	MC 1	COLILERT-18	DTB	North Lab	Surface Water
449016SW3	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
449016SW4	JG 2	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 23, 2020
Sep 24, 2020; Invoice: 449016

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
449016SW1	09/23/20 09:25 AM	MC 2	Fecal Coliform	488	mpn/100mL	10.0	10.0	10.0	10445439	COLILERT-18	E761792	09/23/20 11:30 AM
449016SW2	09/23/20 09:40 AM	MC 1	Fecal Coliform	657	mpn/100mL	10.0	10.0	10.0	10445439	COLILERT-18	E761792	09/23/20 11:30 AM
449016SW3	09/23/20 10:20 AM	WRT 1	Fecal Coliform	393	mpn/100mL	10.0	10.0	10.0	10445439	COLILERT-18	E761792	09/23/20 11:30 AM
449016SW4	09/23/20 10:40 AM	JG 2	Fecal Coliform	364	mpn/100mL	10.0	10.0	10.0	10445439	COLILERT-18	E761792	09/23/20 11:30 AM



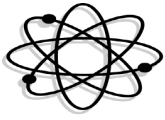
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 23, 2020
Sep 24, 2020; Invoice: 449016



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Sep 23, 2020
Sep 24, 2020; Invoice: 449016

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

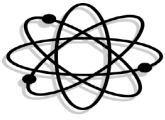
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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LC-IMPAIRED
Date Sampled: Dec 1, 2020
Dec 11, 2020; Invoice: 455361

Report Summary

Date Received: Dec 1, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
455361SW1	WR2	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	PCW	Main Lab	
455361SW2	WR1	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	PCW	Main Lab	
455361SW3	FC0	COLILERT-18	DTB	North Lab	Surface Water
455361SW4	FC1	COLILERT-18	DTB	North Lab	Surface Water
455361SW5	FC2	COLILERT-18	DTB	North Lab	Surface Water
455361SW6	WR3	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	PCW	Main Lab	
455361SW7	WR4	COLILERT-18	DTB	North Lab	Surface Water
		EPA245.1	PCW	Main Lab	
455361SW8	WR5	EPA6020B	EVB	Main Lab	Surface Water
		COLILERT-18	DTB	North Lab	
		EPA245.1	PCW	Main Lab	
		EPA6020B	EVB	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LC-IMPAIRED
Date Sampled: Dec 1, 2020
Dec 11, 2020; Invoice: 455361

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
455361SW1	12/01/20 07:50 AM	WR2	Fecal Coliform	512	mpn/100mL	10.0	10.0	10.0	10451107	COLILERT-18	E761792	12/01/20 12:00 PM
			Mercury	0.00000500	UJmg/L	1.00	0.00000500	0.0000100	10451897	EPA245.1	7439-97-6	12/08/20
455361SW2	12/01/20 08:20 AM	WR1	Fecal Coliform	311	mpn/100mL	10.0	10.0	10.0	10451107	COLILERT-18	E761792	12/01/20 12:00 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10451897	EPA245.1	7439-97-6	12/08/20
455361SW3	12/01/20 08:37 AM	FC0	Fecal Coliform	588	mpn/100mL	10.0	10.0	10.0	10451107	COLILERT-18	E761792	12/01/20 12:00 PM
455361SW4	12/01/20 08:49 AM	FC1	Fecal Coliform	1320	mpn/100mL	10.0	10.0	10.0	10451107	COLILERT-18	E761792	12/01/20 12:00 PM
455361SW5	12/01/20 09:02 AM	FC2	Fecal Coliform	776	mpn/100mL	10.0	10.0	10.0	10451107	COLILERT-18	E761792	12/01/20 12:00 PM
455361SW6	12/01/20 09:15 AM	WR3	Fecal Coliform	706	mpn/100mL	10.0	10.0	10.0	10451107	COLILERT-18	E761792	12/01/20 12:00 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10451897	EPA245.1	7439-97-6	12/08/20
455361SW7	12/01/20 09:37 AM	WR4										



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Dec 11, 2020; Invoice: 455361

Lab #: 455361SW7 Sampled: 12/01/20 09:37 AM Desc: WR4										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	197	mpn/100mL	10.0	10.0	10.0	10451107	COLILERT-18	E761792	12/01/20	12:00 PM
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10451415	EPA6020B	7439-92-1	12/03/20	
Mercury	0.00000500 U	mg/L	1.00	0.00000500	0.0000100	10451897	EPA245.1	7439-97-6	12/08/20	

Lab #: 455361SW8 Sampled: 12/01/20 10:20 AM Desc: WR5										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	281	mpn/100mL	10.0	10.0	10.0	10451107	COLILERT-18	E761792	12/01/20	12:00 PM
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10451415	EPA6020B	7439-92-1	12/03/20	
Mercury	0.00000500 U	mg/L	1.00	0.00000500	0.0000100	10451897	EPA245.1	7439-97-6	12/08/20	



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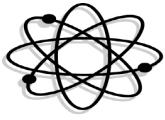
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PO #: n/a
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Quality Report

Quality Control Batch: 10451415		Analyst: EVB						
Blank	Result	Units						
Lead	0.00100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Lead	0.0983	mg/L	0.100	98.30	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Lead	0.116	mg/L	0.100	115.50	75.00-125.00	0.00100U	455497WW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Lead	0.117	mg/L	0.100	116.70	75.00-125.00	0.00100U	1.03	20.00
Quality Control Batch: 10451897		Analyst: PCW						
Blank	Result	Units						
Mercury	0.00000500U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000200	mg/L	0.0000200	100.00	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Mercury	0.0000519	mg/L	0.0000500	-1,696.20	80.00-120.00	0.000900	455361SW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.0000523	mg/L	0.0000500	-1,695.40	80.00-120.00	0.000900	0.77	20.00



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PO #: n/a
Client Project #: LC-IMPAIRED
Date Sampled: Dec 1, 2020
Dec 11, 2020; Invoice: 455361

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Dec 2, 2020
Dec 11, 2020; Invoice: 455532

Report Summary

Date Received: Dec 2, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
455532SW1	AR 1	EPA245.1	PCW	Main Lab	Surface Water
455532SW2	AR 2	EPA245.1	PCW	Main Lab	Surface Water
455532SW3	MC 2	COLILERT-18	DTB	North Lab	Surface Water
455532SW4	MC 1	COLILERT-18	DTB	North Lab	Surface Water
455532SW5	WR 6	EPA245.1	PCW	Main Lab	Surface Water
455532SW6	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
455532SW7	JG 2	COLILERT-18	DTB	North Lab	Surface Water
455532SW8	WR 7	EPA245.1	PCW	Main Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



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Valdosta, GA 31602

PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Dec 2, 2020
Dec 11, 2020; Invoice: 455532

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
455532SW1	12/02/20 08:20 AM	AR 1	Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10451897	EPA245.1	7439-97-6	12/08/20
455532SW2	12/02/20 09:00 AM	AR 2	Mercury	1.23 E-05	mg/L	1.00	0.00000500	0.0000100	10451897	EPA245.1	7439-97-6	12/08/20
455532SW3	12/02/20 09:34 AM	MC 2	Fecal Coliform	1530	mpn/100mL	10.0	10.0	10.0	10451220	COLILERT-18	E761792	12/02/20 01:00 PM
455532SW4	12/02/20 09:46 AM	MC 1	Fecal Coliform	1140	mpn/100mL	10.0	10.0	10.0	10451220	COLILERT-18	E761792	12/02/20 01:00 PM
455532SW5	12/02/20 10:29 AM	WR 6	Mercury	1.81 E-05	mg/L	1.00	0.00000500	0.0000100	10451897	EPA245.1	7439-97-6	12/08/20
455532SW6	12/02/20 10:48 AM	WRT 1	Fecal Coliform	1300	mpn/100mL	10.0	10.0	10.0	10451220	COLILERT-18	E761792	12/02/20 01:00 PM
455532SW7	12/02/20 11:22 AM	JG 2	Fecal Coliform	459	mpn/100mL	10.0	10.0	10.0	10451220	COLILERT-18	E761792	12/02/20 01:00 PM



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PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Dec 2, 2020
Dec 11, 2020; Invoice: 455532

Lab #: 455532SW8 Sampled: 12/02/20 11:40 AM Desc: WR 7

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Mercury	0.00000500	U mg/L	1.00	0.00000500	(0.0000100	10451897	EPA245.1	7439-97-6	12/08/20



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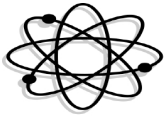
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PO #: n/a
Client Project #: LC-Impaired
Date Sampled: Dec 2, 2020
Dec 11, 2020; Invoice: 455532

Quality Report

Quality Control Batch: 10451897	Analyst: PCW							
Blank	Result	Units						
Mercury	0.00000500U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000200	mg/L	0.0000200	100.00	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	Lab Number	
Mercury	0.0000519	mg/L	0.0000500	-1,696.20	80.00-120.00	0.000900	455361SW1	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.0000523	mg/L	0.0000500	-1,695.40	80.00-120.00	0.000900	0.77	20.00



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Narrative Report

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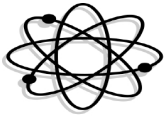
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Qualifier	Meaning
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V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
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3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Dec 8, 2020
Dec 9, 2020; Invoice: 456023

Report Summary

Date Received: Dec 8, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
456023SW1	WR2	COLILERT-18	DTB	North Lab	Surface Water
456023SW2	WR1	COLILERT-18	DTB	North Lab	Surface Water
456023SW3	FCO	COLILERT-18	DTB	North Lab	Surface Water
456023SW4	FC1	COLILERT-18	DTB	North Lab	Surface Water
456023SW5	FC2	COLILERT-18	DTB	North Lab	Surface Water
456023SW6	WR3	COLILERT-18	DTB	North Lab	Surface Water
456023SW7	WR4	COLILERT-18	DTB	North Lab	Surface Water
456023SW8	WR5	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

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Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
456023SW1	12/08/20 07:30 AM	WR2	Fecal Coliform	156	mpn/100mL	10.0	10.0	10.0	10451609	COLILERT-18	E761792	12/08/20 12:00 PM
456023SW2	12/08/20 07:52 AM	WR1	Fecal Coliform	171	mpn/100mL	10.0	10.0	10.0	10451609	COLILERT-18	E761792	12/08/20 12:00 PM
456023SW3	12/08/20 08:08 AM	FCO	Fecal Coliform	216	mpn/100mL	10.0	10.0	10.0	10451609	COLILERT-18	E761792	12/08/20 12:00 PM
456023SW4	12/08/20 08:20 AM	FC1	Fecal Coliform	556	mpn/100mL	10.0	10.0	10.0	10451609	COLILERT-18	E761792	12/08/20 12:00 PM
456023SW5	12/08/20 08:33 AM	FC2	Fecal Coliform	292	mpn/100mL	10.0	10.0	10.0	10451609	COLILERT-18	E761792	12/08/20 12:00 PM
456023SW6	12/08/20 08:45 AM	WR3	Fecal Coliform	109	mpn/100mL	10.0	10.0	10.0	10451609	COLILERT-18	E761792	12/08/20 12:00 PM
456023SW7	12/08/20 09:03 AM	WR4	Fecal Coliform	31.0	mpn/100mL	10.0	10.0	10.0	10451609	COLILERT-18	E761792	12/08/20 12:00 PM



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Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
456023SW8	12/08/20 10:15 AM	WR5	Fecal Coliform	134	mpn/100mL	10.0	10.0	10.0	10451609	COLILERT-18	E761792	12/08/20 12:00 PM



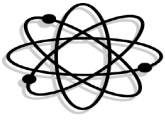
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Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

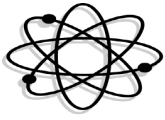
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Dec 9, 2020
Dec 10, 2020; Invoice: 456161

Report Summary

Date Received: Dec 9, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
456161SW1	MC 2	COLILERT-18	DTB	North Lab	Surface Water
456161SW2	MC 1	COLILERT-18	DTB	North Lab	Surface Water
456161SW3	JG 2	COLILERT-18	DTB	North Lab	Surface Water
456161SW4	WRT 1	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



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Dec 10, 2020; Invoice: 456161

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
456161SW1	12/09/20 08:45 AM	MC 2	Fecal Coliform	253	mpn/100mL	10.0	10.0	10.0	10451709	COLILERT-18	E761792	12/09/20 12:30 PM
456161SW2	12/09/20 08:57 AM	MC 1	Fecal Coliform	512	mpn/100mL	10.0	10.0	10.0	10451709	COLILERT-18	E761792	12/09/20 12:30 PM
456161SW3	12/09/20 09:58 AM	JG 2	Fecal Coliform	135	mpn/100mL	10.0	10.0	10.0	10451709	COLILERT-18	E761792	12/09/20 12:30 PM
456161SW4	12/09/20 09:37 AM	WRT 1	Fecal Coliform	631	mpn/100mL	10.0	10.0	10.0	10451709	COLILERT-18	E761792	12/09/20 12:30 PM



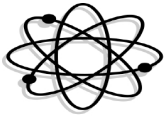
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Narrative Report

Sample Handling

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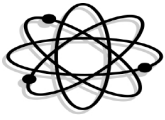
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Chain of Custody

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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Dec 15, 2020
Dec 16, 2020; Invoice: 456770

Report Summary

Date Received: Dec 15, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
456770SW1	WR 2	COLILERT-18	DTB	North Lab	Surface Water
456770SW2	WR 1	COLILERT-18	DTB	North Lab	Surface Water
456770SW3	FC 0	COLILERT-18	DTB	North Lab	Surface Water
456770SW4	FC 1	COLILERT-18	DTB	North Lab	Surface Water
456770SW5	FC 2	COLILERT-18	DTB	North Lab	Surface Water
456770SW6	WR 3	COLILERT-18	DTB	North Lab	Surface Water
456770SW7	WR 4	COLILERT-18	DTB	North Lab	Surface Water
456770SW8	WR 5	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

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Valdosta, GA 31602

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Dec 16, 2020; Invoice: 456770

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
456770SW1	12/15/20 09:10 AM	WR 2	Fecal Coliform	197	mpn/100mL	10.0	10.0	10.0	10452173	COLILERT-18	E761792	12/15/20 01:00 PM
456770SW2	12/15/20 09:30 AM	WR 1	Fecal Coliform	63.0	mpn/100mL	10.0	10.0	10.0	10452173	COLILERT-18	E761792	12/15/20 01:00 PM
456770SW3	12/15/20 09:45 AM	FC 0	Fecal Coliform	197	mpn/100mL	10.0	10.0	10.0	10452173	COLILERT-18	E761792	12/15/20 01:00 PM
456770SW4	12/15/20 10:00 AM	FC 1	Fecal Coliform	465	mpn/100mL	10.0	10.0	10.0	10452173	COLILERT-18	E761792	12/15/20 01:00 PM
456770SW5	12/15/20 10:13 AM	FC 2	Fecal Coliform	122	mpn/100mL	10.0	10.0	10.0	10452173	COLILERT-18	E761792	12/15/20 01:00 PM
456770SW6	12/15/20 10:23 AM	WR 3	Fecal Coliform	85.0	mpn/100mL	10.0	10.0	10.0	10452173	COLILERT-18	E761792	12/15/20 01:00 PM
456770SW7	12/15/20 10:40 AM	WR 4	Fecal Coliform	41.0	mpn/100mL	10.0	10.0	10.0	10452173	COLILERT-18	E761792	12/15/20 01:00 PM



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Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
456770SW8	12/15/20 10:59 AM	WR 5	Fecal Coliform	20.0	mpn/100mL	10.0	10.0	10.0	10452173	COLILERT-18	E761792	12/15/20 01:00 PM



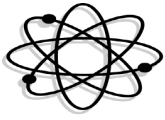
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Narrative Report

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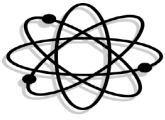
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Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Dec 17, 2020
Dec 18, 2020; Invoice: 457067

Report Summary

Date Received: Dec 17, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
457067SW1	MC 2	COLILERT-18	CWF	North Lab	Surface Water
457067SW2	MC 1	COLILERT-18	CWF	North Lab	Surface Water
457067SW3	WRT 1	COLILERT-18	CWF	North Lab	Surface Water
457067SW4	WRT 2	COLILERT-18	CWF	North Lab	Surface Water
457067SW5	JG 2	COLILERT-18	CWF	North Lab	Surface Water

Certificate of Results

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PO #: n/a
Client Project #: LCI
Date Sampled: Dec 17, 2020
Dec 18, 2020; Invoice: 457067

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
457067SW1	12/17/20 09:47 AM	MC 2	Fecal Coliform	2760	mpn/100mL	10.0	10.0	10.0	10452361	COLILERT-18	E761792	12/17/20 01:33 PM
457067SW2	12/17/20 10:00 AM	MC 1	Fecal Coliform	9210	mpn/100mL	10.0	10.0	10.0	10452361	COLILERT-18	E761792	12/17/20 01:33 PM
457067SW3	12/17/20 10:36 AM	WRT 1	Fecal Coliform	1660	mpn/100mL	10.0	10.0	10.0	10452361	COLILERT-18	E761792	12/17/20 01:33 PM
457067SW4	12/17/20 10:48 AM	WRT 2	Fecal Coliform	1860	mpn/100mL	10.0	10.0	10.0	10452361	COLILERT-18	E761792	12/17/20 01:33 PM
457067SW5	12/17/20 11:04 AM	JG 2	Fecal Coliform	697	mpn/100mL	10.0	10.0	10.0	10452361	COLILERT-18	E761792	12/17/20 01:33 PM



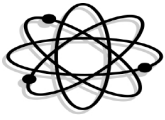
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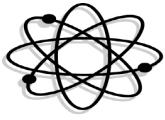
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Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Dec 22, 2020
Dec 23, 2020; Invoice: 457422

Report Summary

Date Received: Dec 22, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
457422SW1	WR2	COLILERT-18	DTB	North Lab	Surface Water
457422SW2	WR1	COLILERT-18	DTB	North Lab	Surface Water
457422SW3	FC0	COLILERT-18	DTB	North Lab	Surface Water
457422SW4	FC1	COLILERT-18	DTB	North Lab	Surface Water
457422SW5	FC2	COLILERT-18	DTB	North Lab	Surface Water
457422SW6	WR3	COLILERT-18	DTB	North Lab	Surface Water
457422SW7	WR4	COLILERT-18	DTB	North Lab	Surface Water
457422SW8	WR5	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

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PO #: n/a
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Dec 23, 2020; Invoice: 457422

Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
457422SW1	12/22/20 08:59 AM	WR2	Fecal Coliform	259	mpn/100mL	10.0	10.0	10.0	10452785	COLILERT-18	E761792	12/22/20 01:00 PM
457422SW2	12/22/20 09:17 AM	WR1	Fecal Coliform	397	mpn/100mL	10.0	10.0	10.0	10452785	COLILERT-18	E761792	12/22/20 01:00 PM
457422SW3	12/22/20 09:30 AM	FC0	Fecal Coliform	1200	mpn/100mL	10.0	10.0	10.0	10452785	COLILERT-18	E761792	12/22/20 01:00 PM
457422SW4	12/22/20 09:40 AM	FC1	Fecal Coliform	530	mpn/100mL	10.0	10.0	10.0	10452785	COLILERT-18	E761792	12/22/20 01:00 PM
457422SW5	12/22/20 09:54 AM	FC2	Fecal Coliform	703	mpn/100mL	10.0	10.0	10.0	10452785	COLILERT-18	E761792	12/22/20 01:00 PM
457422SW6	12/22/20 10:03 AM	WR3	Fecal Coliform	327	mpn/100mL	10.0	10.0	10.0	10452785	COLILERT-18	E761792	12/22/20 01:00 PM
457422SW7	12/22/20 10:45 AM	WR4	Fecal Coliform	191	mpn/100mL	10.0	10.0	10.0	10452785	COLILERT-18	E761792	12/22/20 01:00 PM



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Lovell Engineering Associates
3998 Inner Perimeter Road
Valdosta, GA 31602

PO #: n/a
Client Project #: LCI
Date Sampled: Dec 22, 2020
Dec 23, 2020; Invoice: 457422

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
457422SW8	12/22/20 11:05 AM	WR5	Fecal Coliform	121	mpn/100mL	10.0	10.0	10.0	10452785	COLILERT-18	E761792	12/22/20 01:00 PM



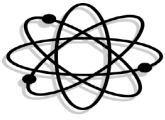
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Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

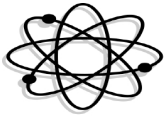
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Date Sampled: Dec 23, 2020
Dec 29, 2020; Invoice: 457538

Report Summary

Date Received: Dec 23, 2020

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
457538SW1	MC 2	COLILERT-18	DTB	North Lab	Surface Water
457538SW2	MC 1	COLILERT-18	DTB	North Lab	Surface Water
457538SW3	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
457538SW4	WRT 2	COLILERT-18	DTB	North Lab	Surface Water
457538SW5	JG 2	COLILERT-18	DTB	North Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
457538SW1	12/23/20 09:00 AM	MC 2	Fecal Coliform	233	mpn/100mL	10.0	10.0	10.0	10453023	COLILERT-18	E761792	12/23/20 12:30 PM
457538SW2	12/23/20 09:10 AM	MC 1	Fecal Coliform	256	mpn/100mL	10.0	10.0	10.0	10453023	COLILERT-18	E761792	12/23/20 12:30 PM
457538SW3	12/23/20 10:22 AM	WRT 1	Fecal Coliform	109	mpn/100mL	10.0	10.0	10.0	10453023	COLILERT-18	E761792	12/23/20 12:30 PM
457538SW4	12/23/20 10:33 AM	WRT 2	Fecal Coliform	288	mpn/100mL	10.0	10.0	10.0	10453023	COLILERT-18	E761792	12/23/20 12:30 PM
457538SW5	12/23/20 10:51 AM	JG 2	Fecal Coliform	148	mpn/100mL	10.0	10.0	10.0	10453023	COLILERT-18	E761792	12/23/20 12:30 PM



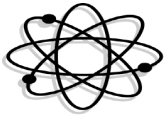
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