Water Quality Laboratory

Report of Analysis

NACIMIENTO PROJECT

Report Date 12-Sep-19

Epilimnion	**190722044-02**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Ammonia as Nitrogen	< 0.021	mg/L	0.021		E350.1	BValencia	8/6/2019	
Depth	10	Feet			N/A	DRuedas	8/6/2019	
Dissolved Oxygen	6.50	mg/L			S4500OG	DRuedas	8/6/2019	
Nitrate as Nitrogen	< 0.10	mg/L	0.1	10	E300.0	Kgephart	8/7/2019	
Nitrite as Nitrogen	< 0.10	mg/L	0.1	1	E300.0	Kgephart	8/7/2019	
pH (measured in field)	8.10	SU			SH-B	DRuedas	8/6/2019	
Temperature	25.0	° C			S2550B	DRuedas	8/6/2019	
Total Kjeldahl Nitrogen	NA		1		H10242			
Total Nitrogen Calculated Results	NA		1	10	Calculation			
Total Organic Carbon	4.1	mg/L	0.3		S5310B	FZenker	8/14/2019	
Total Organic Nitrogen Calculated Results	NA				Calculation			
Total Phosphorus as P	< 0.020	mg/L	0.023		H8190	FDevlin	8/15/2019	
Turbidity (measured in field)	2.5	NTU	0.03		S2130B	DRuedas	8/6/2019	

Floating Toilet at Dip Creek	**190722043-01**	**Sample Date:**	8/6/2019 12:25 PM		**Sampler:** Ruedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Field Inspection	Complete	N/A			None	DRuedas	8/6/2019	

Floating Toilet at Oak Shores	**190722043-02**	**Sample Date:**	8/6/2019 11:11 AM		**Sampler:** Ruedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Field Inspection	Complete	N/A			None	DRuedas	8/6/2019	

Floating Toilet near LNR docks	**190722043-03**	**Sample Date:**	8/6/2019 10:44 AM		**Sampler:** Ruedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Field Inspection	Complete	N/A			None	DRuedas	8/6/2019	

HROA Marina	**190722042-01**	**Sample Date:**	8/6/2019 12:30 PM		**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Depth	18	Feet			N/A	DRuedas	8/6/2019	
Invasive Mussel Inspection	Absent	Present/Absent			Field Observation	DRuedas	8/6/2019	

Hypolimnion	**190722044-03**	**Sample Date:**	8/6/2019 9:55 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Ammonia as Nitrogen	< 0.021	mg/L	0.021		E350.1	BValencia	8/6/2019	
Depth	60	Feet			N/A	DRuedas	8/6/2019	
Dissolved Oxygen	3.90	mg/L			S4500OG	DRuedas	8/6/2019	
Nitrate as Nitrogen	0.31	mg/L	0.1	10	E300.0	Kgephart	8/7/2019	
Nitrite as Nitrogen	< 0.10	mg/L	0.1	1	E300.0	Kgephart	8/7/2019	
pH (measured in field)	6.85	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.6	° C			S2550B	DRuedas	8/6/2019	
Total Kjeldahl Nitrogen	NA		1		H10242			
Total Nitrogen Calculated Results	NA		1	10	Calculation			
Total Organic Carbon	4.2	mg/L	0.3		S5310B	FZenker	8/14/2019	
Total Organic Nitrogen Calculated Results	NA				Calculation			
Total Phosphorus as P	0.024	mg/L	0.023		H8190	FDevlin	8/15/2019	
Turbidity (measured in field)	5.1	NTU	0.03		S2130B	DRuedas	8/6/2019	

Intake 1 (660')	**190722040-01**	**Sample Date:**	8/6/2019 10:12 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	98	ug/L	20	200	E200.7	MPontes	8/16/2019	
Blue-green Algae	0	Cells/mL			S10300C	BValencia	8/8/2019	
Calculated Total Algae Count	< 1	Cells/mL	1		S10300C	BValencia	8/8/2019	
Color-Apparent	15	PCU	1	15	S2120B	TChen	8/6/2019	
Color-True	8	PCU	1	15	S2120B	TChen	8/6/2019	
Cryptomonads	0	Cells/mL			S10300C	BValencia	8/8/2019	
Depth	110	Feet			N/A	DRuedas	8/6/2019	
Diatoms	0	Cells/mL			S10300C	BValencia	8/8/2019	
Dinoflagellates	0	Cells/mL			S10300C	BValencia	8/8/2019	
Dissolved Oxygen	3.90	mg/L			S4500OG	DRuedas	8/6/2019	
Flagellates	0	Cells/mL			S10300C	BValencia	8/8/2019	
Golden Algae	0	Cells/mL			S10300C	BValencia	8/8/2019	
Green Algae	0	Cells/mL			S10300C	BValencia	8/8/2019	
Iron	180	ug/L	10	300	E200.7	MPontes	8/16/2019	
Manganese	40	ug/L	5	50	E200.7	MPontes	8/16/2019	
Metals Digestion	Yes	Yes/No			E200.7	MPontes	8/13/2019	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	8/6/2019	
pH (measured in field)	6.88	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.2	° C			S2550B	DRuedas	8/6/2019	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	TChen	8/6/2019	
Total Organic Carbon	3.7	mg/L	0.3		S5310B	FZenker	8/14/2019	
Turbidity (measured in field)	8.5	NTU	0.03		S2130B	DRuedas	8/6/2019	
Verification of pH for TOC preservation	Yes	Yes/No			SH-B	DRuedas	8/6/2019	

Intake 2 (680')	190722040-02	Sample Date:	8/6/2019 10:05 AM	Sampler:	Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	150	ug/L	20	200	E200.7	MPontes	8/16/2019	
Blue-green Algae	0	Cells/mL			S10300C	BValencia	8/8/2019	
Calculated Total Algae Count	< 1	Cells/mL	1		S10300C	BValencia	8/8/2019	
Color-Apparent	18	PCU	1	15	S2120B	TChen	8/6/2019	
Color-True	9	PCU	1	15	S2120B	TChen	8/6/2019	
Cryptomonads	0	Cells/mL			S10300C	BValencia	8/8/2019	
Depth	90	Feet			N/A	DRuedas	8/6/2019	
Diatoms	0	Cells/mL			S10300C	BValencia	8/8/2019	
Dinoflagellates	0	Cells/mL			S10300C	BValencia	8/8/2019	
Dissolved Oxygen	3.40	mg/L			S4500OG	DRuedas	8/6/2019	
Flagellates	0	Cells/mL			S10300C	BValencia	8/8/2019	
Golden Algae	0	Cells/mL			S10300C	BValencia	8/8/2019	
Green Algae	0	Cells/mL			S10300C	BValencia	8/8/2019	
Iron	260	ug/L	10	300	E200.7	MPontes	8/16/2019	
Manganese	13	ug/L	5	50	E200.7	MPontes	8/16/2019	
Metals Digestion	Yes	Yes/No			E200.7	MPontes	8/13/2019	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	TChen	8/6/2019	
pH (measured in field)	6.85	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.3	° C			S2550B	DRuedas	8/6/2019	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	TChen	8/6/2019	
Total Organic Carbon	3.8	mg/L	0.3		S5310B	FZenker	8/14/2019	
Turbidity (measured in field)	10	NTU	0.03		S2130B	DRuedas	8/6/2019	
Verification of pH for TOC preservation	Yes	Yes/No			SH-B	DRuedas	8/6/2019	

Intake 3 (700')	190722040-03	Sample Date:	8/6/2019 10:00 AM	Sampler:	Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	150	ug/L	20	200	E200.7	MPontes	8/16/2019	
Blue-green Algae	20	Cells/mL			S10300C	BValencia	8/8/2019	
Calculated Total Algae Count	32	Cells/mL	1		S10300C	BValencia	8/8/2019	
Color-Apparent	20	PCU	1	15	S2120B	TChen	8/6/2019	
Color-True	10	PCU	1	15	S2120B	TChen	8/6/2019	
Cryptomonads	1	Cells/mL			S10300C	BValencia	8/8/2019	
Depth	70	Feet			N/A	DRuedas	8/6/2019	
Diatoms	0	Cells/mL			S10300C	BValencia	8/8/2019	
Dinoflagellates	0	Cells/mL			S10300C	BValencia	8/8/2019	
Dissolved Oxygen	3.90	mg/L			S4500OG	DRuedas	8/6/2019	
Flagellates	0	Cells/mL			S10300C	BValencia	8/8/2019	
Golden Algae	0	Cells/mL			S10300C	BValencia	8/8/2019	
Green Algae	11	Cells/mL			S10300C	BValencia	8/8/2019	
Iron	270	ug/L	10	300	E200.7	MPontes	8/16/2019	
Manganese	9.6	ug/L	5	50	E200.7	MPontes	8/16/2019	
Metals Digestion	Yes	Yes/No			E200.7	MPontes	8/13/2019	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E/M	Odor Type			S2150B	TChen	8/6/2019	
pH (measured in field)	6.87	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.5	° C			S2550B	DRuedas	8/6/2019	
Threshold Odor @ 60ºC	1.5	TON	1	3	S2150B	TChen	8/6/2019	
Total Organic Carbon	4.0	mg/L	0.3		S5310B	FZenker	8/14/2019	
Turbidity (measured in field)	5.8	NTU	0.03		S2130B	DRuedas	8/6/2019	
Verification of pH for TOC preservation	Yes	Yes/No			SH-B	DRuedas	8/6/2019	

Intake 4 (720')	190722040-04	Sample Date:	8/6/2019 9:50 AM	Sampler:	Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	59	ug/L	20	200	E200.7	MPontes	8/16/2019	
Blue-green Algae	240	Cells/mL			S10300C	BValencia	8/8/2019	
Calculated Total Algae Count	320	Cells/mL	1		S10300C	BValencia	8/8/2019	
Color-Apparent	14	PCU	1	15	S2120B	TChen	8/6/2019	
Color-True	7	PCU	1	15	S2120B	TChen	8/6/2019	
Cryptomonads	1	Cells/mL			S10300C	BValencia	8/8/2019	
Depth	50	Feet			N/A	DRuedas	8/6/2019	
Diatoms	20	Cells/mL			S10300C	BValencia	8/8/2019	
Dinoflagellates	0	Cells/mL			S10300C	BValencia	8/8/2019	
Dissolved Oxygen	3.20	mg/L			S4500OG	DRuedas	8/6/2019	
Flagellates	3	Cells/mL			S10300C	BValencia	8/8/2019	
Golden Algae	16	Cells/mL			S10300C	BValencia	8/8/2019	
Green Algae	37	Cells/mL			S10300C	BValencia	8/8/2019	
Iron	130	ug/L	10	300	E200.7	MPontes	8/16/2019	
Manganese	16	ug/L	5	50	E200.7	MPontes	8/16/2019	
Metals Digestion	Yes	Yes/No			E200.7	MPontes	8/13/2019	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E/Df	Odor Type			S2150B	TChen	8/6/2019	
pH (measured in field)	6.84	SU			SH-B	DRuedas	8/6/2019	
Temperature	12.0	° C			S2550B	DRuedas	8/6/2019	
Threshold Odor @ 60ºC	1.8	TON	1	3	S2150B	TChen	8/6/2019	
Total Organic Carbon	4.1	mg/L	0.3		S5310B	FZenker	8/14/2019	
Turbidity (measured in field)	2.7	NTU	0.03		S2130B	DRuedas	8/6/2019	
Verification of pH for TOC preservation	Yes	Yes/No			SH-B	DRuedas	8/6/2019	

Intake 5 (740')	190722040-05	Sample Date:	8/6/2019 9:04 AM	Sampler:	Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	45	ug/L	20	200	E200.7	MPontes	8/16/2019	
Blue-green Algae	35	Cells/mL			S10300C	BValencia	8/8/2019	
Calculated Total Algae Count	330	Cells/mL	1		S10300C	BValencia	8/8/2019	
Color-Apparent	12	PCU	1	15	S2120B	TChen	8/6/2019	
Color-True	6	PCU	1	15	S2120B	TChen	8/6/2019	
Cryptomonads	0	Cells/mL			S10300C	BValencia	8/8/2019	
Depth	30	Feet			N/A	DRuedas	8/6/2019	
Diatoms	54	Cells/mL			S10300C	BValencia	8/8/2019	
Dinoflagellates	4	Cells/mL			S10300C	BValencia	8/8/2019	
Dissolved Oxygen	2.00	mg/L			S4500OG	DRuedas	8/6/2019	
Flagellates	0	Cells/mL			S10300C	BValencia	8/8/2019	
Golden Algae	34	Cells/mL			S10300C	BValencia	8/8/2019	
Green Algae	200	Cells/mL			S10300C	BValencia	8/8/2019	
Iron	89	ug/L	10	300	E200.7	MPontes	8/16/2019	
Manganese	55	ug/L	5	50	E200.7	MPontes	8/16/2019	
Metals Digestion	Yes	Yes/No			E200.7	MPontes	8/13/2019	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	TChen	8/6/2019	
pH (measured in field)	7.00	SU			SH-B	DRuedas	8/6/2019	
Temperature	16.5	° C			S2550B	DRuedas	8/6/2019	
Threshold Odor @ 60ºC	2.9	TON	1	3	S2150B	TChen	8/6/2019	
Total Organic Carbon	4.0	mg/L	0.3		S5310B	FZenker	8/14/2019	
Turbidity (measured in field)	2.1	NTU	0.03		S2130B	DRuedas	8/6/2019	
Verification of pH for TOC preservation	Yes	Yes/No			SH-B	DRuedas	8/6/2019	

Intake 6 (760')	190722040-06	Sample Date:	8/6/2019 9:40 AM			Sampler: Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	27	ug/L	20	200	E200.7	MPontes	8/16/2019	
Blue-green Algae	230	Cells/mL			S10300C	DRuedas	8/7/2019	
Calculated Total Algae Count	580	Cells/mL	1		S10300C	DRuedas	8/7/2019	
Color-Apparent	8	PCU	1	15	S2120B	TChen	8/6/2019	
Cryptomonads	10	Cells/mL			S10300C	DRuedas	8/7/2019	
Depth	10	Feet			N/A	DRuedas	8/6/2019	
Diatoms	47	Cells/mL			S10300C	DRuedas	8/7/2019	
Dinoflagellates	23	Cells/mL			S10300C	DRuedas	8/7/2019	
Dissolved Oxygen	6.50	mg/L			S4500OG	DRuedas	8/6/2019	
Flagellates	0	Cells/mL			S10300C	DRuedas	8/7/2019	
Golden Algae	6	Cells/mL			S10300C	DRuedas	8/7/2019	
Green Algae	270	Cells/mL			S10300C	DRuedas	8/7/2019	
Iron	33	ug/L	10	300	E200.7	MPontes	8/16/2019	
Manganese	< 5.0	ug/L	5	50	E200.7	MPontes	8/16/2019	
Metals Digestion	Yes	Yes/No			E200.7	MPontes	8/13/2019	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	TChen	8/6/2019	
pH (measured in field)	8.10	SU			SH-B	DRuedas	8/6/2019	
Temperature	25.0	° C			S2550B	DRuedas	8/6/2019	
Threshold Odor @ 60ºC	2.5	TON	1	3	S2150B	TChen	8/6/2019	
Total Organic Carbon	4.3	mg/L	0.3		S5310B	FZenker	8/14/2019	
Turbidity (measured in field)	2.5	NTU	0.03		S2130B	DRuedas	8/6/2019	
Verification of pH for TOC preservation	Yes	Yes/No			SH-B	DRuedas	8/6/2019	

Log Boom - SLO #1	190722042-02	Sample Date:	8/6/2019 10:30 AM			Sampler: Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Depth	18	Feet			N/A	DRuedas	8/6/2019	
Invasive Mussel Inspection	Absent	Present/Absent			Field Observation	DRuedas	8/6/2019	

Log Boom 02 Feet	190722041-01	Sample Date:	8/6/2019 9:40 AM			Sampler: Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	8.20	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	8.27	SU			SH-B	DRuedas	8/6/2019	
Temperature	25.9	° C			S2550B	DRuedas	8/6/2019	

Log Boom 05 Feet	190722041-02	Sample Date:	8/6/2019 9:40 AM			Sampler: Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	7.80	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	8.27	SU			SH-B	DRuedas	8/6/2019	
Temperature	25.8	° C			S2550B	DRuedas	8/6/2019	

Log Boom 10 Feet	190722041-03	Sample Date:	8/6/2019 9:40 AM			Sampler: Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	6.50	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	8.10	SU			SH-B	DRuedas	8/6/2019	
Temperature	25.0	° C			S2550B	DRuedas	8/6/2019	

Log Boom 100 Feet	190722041-21	Sample Date:	8/6/2019 9:40 AM			Sampler: Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.10	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.86	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.1	° C			S2550B	DRuedas	8/6/2019	
Log Boom 110 Feet	**190722041-23**	**Sample Date:**	8/6/2019 9:40 AM			**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.90	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.88	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.2	° C			S2550B	DRuedas	8/6/2019	
Log Boom 15 Feet	**190722041-04**	**Sample Date:**	8/6/2019 9:40 AM			**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	4.40	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	7.63	SU			SH-B	DRuedas	8/6/2019	
Temperature	24.1	° C			S2550B	DRuedas	8/6/2019	
Log Boom 20 Feet	**190722041-05**	**Sample Date:**	8/6/2019 9:40 AM			**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.90	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	7.61	SU			SH-B	DRuedas	8/6/2019	
Temperature	20.9	° C			S2550B	DRuedas	8/6/2019	
Log Boom 25 Feet	**190722041-06**	**Sample Date:**	8/6/2019 9:40 AM			**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.20	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	7.44	SU			SH-B	DRuedas	8/6/2019	
Temperature	18.5	° C			S2550B	DRuedas	8/6/2019	
Log Boom 30 Feet	**190722041-07**	**Sample Date:**	8/6/2019 9:40 AM			**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.00	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	7.00	SU			SH-B	DRuedas	8/6/2019	
Temperature	16.5	° C			S2550B	DRuedas	8/6/2019	
Log Boom 35 Feet	**190722041-08**	**Sample Date:**	8/6/2019 9:40 AM			**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.10	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.80	SU			SH-B	DRuedas	8/6/2019	
Temperature	14.4	° C			S2550B	DRuedas	8/6/2019	
Log Boom 40 Feet	**190722041-09**	**Sample Date:**	8/6/2019 9:40 AM			**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.10	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.78	SU			SH-B	DRuedas	8/6/2019	
Temperature	13.3	° C			S2550B	DRuedas	8/6/2019	
Log Boom 45 Feet	**190722041-10**	**Sample Date:**	8/6/2019 9:40 AM			**Sampler:** Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.50	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.80	SU			SH-B	DRuedas	8/6/2019	
Temperature	12.6	° C			S2550B	DRuedas	8/6/2019	

Log Boom 50 Feet	190722041-11	Sample Date:	8/6/2019 9:40 AM		Sampler: Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.20	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.84	SU			SH-B	DRuedas	8/6/2019	
Temperature	12.0	° C			S2550B	DRuedas	8/6/2019	
Log Boom 55 Feet	**190722041-12**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.90	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.90	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.8	° C			S2550B	DRuedas	8/6/2019	
Log Boom 60 Feet	**190722041-13**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.90	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.85	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.6	° C			S2550B	DRuedas	8/6/2019	
Log Boom 65 Feet	**190722041-14**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	4.00	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.84	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.5	° C			S2550B	DRuedas	8/6/2019	
Log Boom 70 Feet	**190722041-15**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.90	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.87	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.5	° C			S2550B	DRuedas	8/6/2019	
Log Boom 75 Feet	**190722041-16**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	4.10	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.87	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.4	° C			S2550B	DRuedas	8/6/2019	
Log Boom 80 Feet	**190722041-17**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	4.00	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.90	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.4	° C			S2550B	DRuedas	8/6/2019	
Log Boom 85 Feet	**190722041-18**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.70	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.88	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.4	° C			S2550B	DRuedas	8/6/2019	
Log Boom 90 Feet	**190722041-19**	**Sample Date:**	8/6/2019 9:40 AM		**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.40	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.85	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.3	° C			S2550B	DRuedas	8/6/2019	

Log Boom 95 Feet	190722041-20	Sample Date:	8/6/2019 9:40 AM	Sampler:	Druedas		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.20	mg/L			S4500OG	DRuedas	8/6/2019	
pH (measured in field)	6.86	SU			SH-B	DRuedas	8/6/2019	
Temperature	11.2	° C			S2550B	DRuedas	8/6/2019	

Nacimiento Reservoir Inlet - Raw	190722038-01	Sample Date:	8/6/2019 8:35 AM		Sampler: DRuedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Blue-green Algae	47	Cells/mL			S10300C	DRuedas	8/7/2019	
Calculated Total Algae Count	230	Cells/mL	1		S10300C	DRuedas	8/7/2019	
Color-Apparent	15	PCU	1	15	S2120B	TChen	8/6/2019	
Color-True	6	PCU	1	15	S2120B	TChen	8/6/2019	
Cryptomonads	10	Cells/mL			S10300C	DRuedas	8/7/2019	
Depth	10	Feet			N/A	DRuedas	8/6/2019	
Diatoms	24	Cells/mL			S10300C	DRuedas	8/7/2019	
Dinoflagellates	12	Cells/mL			S10300C	DRuedas	8/7/2019	
Dissolved Oxygen	6.90	mg/L			S4500OG	DRuedas	8/6/2019	
Elevation of intake	760	ft			None	DRuedas	8/6/2019	
Flagellates	0	Cells/mL			S10300C	DRuedas	8/7/2019	
Golden Algae	0	Cells/mL			S10300C	DRuedas	8/7/2019	
Green Algae	140	Cells/mL			S10300C	DRuedas	8/7/2019	
Intake # currently in use		Feet			N/A	DRuedas	8/6/2019	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	TChen	8/6/2019	
pH (measured in field)	7.60	SU			SH-B	DRuedas	8/6/2019	
Temperature	20.4	° C			S2550B	DRuedas	8/6/2019	
Threshold Odor @ 60ºC	4.0	TON	1	3	S2150B	TChen	8/6/2019	
Turbidity (measured in field)	2.9	NTU	0.03		S2130B	DRuedas	8/6/2019	

Nacimiento Reservoir Inlet - Raw	190722039-01	Sample Date:	8/6/2019 8:37 AM		Sampler: DRuedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
E. Coli Bacteria	<1	MPN/100ml	1		S9223B	FDevlin	8/7/2019	
Elevation of intake	760	ft			None	DRuedas	8/6/2019	
Intake # currently in use		Feet			N/A	DRuedas	8/6/2019	
Temperature	20.4	° C			S2550B	DRuedas	8/6/2019	
Total Coliform Bacteria	310	MPN/100mL	1		S9223B	FDevlin	8/7/2019	

Nacimiento Reservoir Inlet - Raw	190722044-01	Sample Date:	8/6/2019 8:30 AM		Sampler: Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Absorbance at 254 nanometers	0.101	1/cm			S5910B	DRuedas	8/6/2019	
Aggressiveness Index (Calculated)	11.3	SU			None	KDyson	9/11/2019	
Aluminum	86	ug/L	20	200	E200.7	MPontes	9/3/2019	
Ammonia as Nitrogen	< 0.021	mg/L	0.021		E350.1	BValencia	8/6/2019	
Antimony	<1.0	ug/L		6	E200.8	EEA	9/9/2019	
Arsenic	<1.0	ug/L		10	E200.8	EEA	9/5/2019	
Barium	33	ug/L	10	1000	E200.7	MPontes	8/15/2019	R
Beryllium	< 1.0	ug/L	1	4	E200.7	MPontes	8/15/2019	R
Bicarbonate Alkalinity as HCO3	110	mg/L			S2320B	FDevlin	8/8/2019	
Bicarbonate as CaCO3	88	mg/L			S2320B	FDevlin	8/8/2019	
Boron	NA		15	1000	E200.7			
Cadmium	< 1.0	ug/L	1	5	E200.7	MPontes	9/3/2019	
Calcium	24	mg/L	1		E200.7	MPontes	8/30/2019	
Carbonate Alkalinity as CO3	0	mg/L			S2320B	FDevlin	8/8/2019	
Carbonate as CaCO3	0	mg/L			S2320B	FDevlin	8/8/2019	

Nacimiento Reservoir Inlet - Raw	190722044-01	Sample Date:	8/6/2019 8:30 AM		Sampler: Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Chloride	5	mg/L	1	500	E300.0	Kgephart	8/7/2019	
Chromium	< 10	ug/L	10	50	E200.7	MPontes	8/15/2019	R
Copper	< 10	ug/L	10	1000	E200.7	MPontes	8/15/2019	R
Cyanide	<25	ug/L			SCN-F	EEA	8/14/2019	
Dissolved Organic Carbon	3.7	mg/L	0.3		S5310B	FZenker	8/16/2019	
Electrical Conductivity @ 25ºC in Lab	250	umhos/cm	10		S2510B	DRuedas	8/7/2019	
Elevation of intake	760	ft			None	DRuedas	8/6/2019	
Fluoride, Without Predistillation	0.12	mg/L	0.1	2	E300.0	KGephart	8/7/2019	
Hydroxide Alkalinity as OH	0	mg/L			S2320B	FDevlin	8/8/2019	
Hydroxide as CaCO3	0	mg/L			S2320B	FDevlin	8/8/2019	
Intake depth in use	10	feet			None	DRuedas	8/6/2019	
Iron	97	ug/L	10	300	E200.7	MPontes	8/15/2019	R
Lead	0.940	ug/L		15	E200.8	EEA	9/5/2019	
Magnesium	12	mg/L	1		E200.7	MPontes	8/30/2019	
Manganese	6.9	ug/L	5	50	E200.7	MPontes	8/15/2019	R
Mercury (subcontracted)	<0.20	ug/L		2	E245.1	EEA	8/13/2019	
Methylene Blue Active Substances	< 0.10	mg/L	0.1	0.5	S5540C	DRuedas	8/8/2019	
Nickel	< 10	ug/L	10	100	E200.7	MPontes	8/15/2019	R
Nitrate and Nitrite Combined as Nitrogen	< 0.2	mg/L	0.2	10	Calculation			
Nitrate as Nitrogen	<0.1	mg/L	0.1	10	E300.0	Kgephart	8/7/2019	
Nitrite as Nitrogen	< 0.10	mg/L	0.1	1	E300.0	Kgephart	8/7/2019	
Perchlorate	<0.50	ug/L	2	6	E314	EEA	8/20/2019	
pH (measured in field)	7.60	SU			SH-B	DRuedas	8/6/2019	
pH (measured in the lab)	7.70	Units			SH-B	DRuedas	8/6/2019	
Potassium	1.5	mg/L	1		E200.7	MPontes	8/30/2019	
Selenium	<5.0	ug/L		50	E200.8	EEA	9/5/2019	
Silver	< 10	ug/L	10	100	E200.7	MPontes	8/15/2019	
Sodium	8.4	mg/L	1		E200.7	MPontes	8/30/2019	
Sodium Adsorption Ratio (Calculated)	0.3	SU			None	MPontes	8/30/2019	
Sulfate	30	mg/L	0.5	500	E300.0	Kgephart	8/7/2019	
Temperature	20.4	° C			S2550B	DRuedas	8/6/2019	
Thallium	<1.0	ug/L		2	E200.8	EEA	9/5/2019	
Total Alkalinity as CaCO3	88	mg/L	1		S2320B	FDevlin	8/8/2019	
Total Dissolved Solids	160	mg/L	1	1000	S2540C	DRuedas	8/12/2019	
Total Hardness as CaCO3 (Calculated)	110	mg/L	1		E200.7	MPontes	8/30/2019	
Total Kjeldahl Nitrogen	NA		1		H10242			
Total Nitrogen Calculated Results	NA		1	10	Calculation			
Total Organic Carbon	4.0	mg/L	0.3		S5310B	FZenker	8/14/2019	
Total Organic Nitrogen Calculated Results	NA				Calculation			
Total Phosphorus as P	0.024	mg/L	0.023		H8190	FDevlin	8/15/2019	
Total Recoverable Arsenic	NA		2	10	E200.5			
Total Recoverable Lead	NA		2	15	E200.5			
Total Recoverable Selenium	NA		2	50	E200.5			

Nacimiento Reservoir Inlet - Raw	**190722044-01**	**Sample Date:**	8/6/2019 8:30 AM	**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Zinc	< 15	ug/L	15	5000	E200.7	MPontes	8/15/2019	R
OSCA Marina	**190722042-03**	**Sample Date:**	8/6/2019 11:11 AM	**Sampler:** Druedas			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Depth	18	Feet			N/A	DRuedas	8/6/2019	
Invasive Mussel Inspection	Absent	Present/Absent			Field Observation	DRuedas	8/6/2019	
OSCA Marina	**190816030-02**	**Sample Date:**	9/2/2019 11:30 AM	**Sampler:** Fdevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Depth	NA				N/A			
Invasive Mussel Inspection	NA				Field Observation			
Floating Toilet at Oak Shores	**190816031-01**	**Sample Date:**	9/5/2019 12:01 PM	**Sampler:** FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Field Inspection	complete	N/A			None			
Floating Toilet near LNR docks	**190816031-02**	**Sample Date:**	9/5/2019 12:01 PM	**Sampler:** FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Field Inspection	complete	N/A			None			
Intake 1 (660')	**190816028-00**	**Sample Date:**	9/5/2019 11:20 AM	**Sampler:** Fdevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	NA		20	200	E200.7			
Blue-green Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Calculated Total Algae Count	340	Cells/mL	1		S10300C	DRuedas	9/6/2019	
Color-Apparent	16	PCU	1	15	S2120B	DRuedas	9/5/2019	
Color-True	11	PCU	1	15	S2120B	DRuedas	9/5/2019	
Cryptomonads	3	Cells/mL			S10300C	DRuedas	9/6/2019	
Depth	100	Feet			N/A			
Diatoms	17	Cells/mL			S10300C	DRuedas	9/6/2019	
Dinoflagellates	11	Cells/mL			S10300C	DRuedas	9/6/2019	
Dissolved Oxygen	1.80	mg/L			S4500OG			
Flagellates	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Golden Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Green Algae	310	Cells/mL			S10300C	DRuedas	9/6/2019	
Iron	NA		10	300	E200.7			
Manganese	NA		5	50	E200.7			
Metals Digestion	NA				E200.7			
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	FDevlin	9/5/2019	
pH (measured in field)	7.92	SU			SH-B			
Temperature	12.1	° C			S2550B			
Threshold Odor @ 60ºC	2.5	TON	1	3	S2150B	FDevlin	9/5/2019	
Total Organic Carbon	NA		0.3		S5310B			
Turbidity (measured in field)	3.5	NTU	0.03		S2130B			
Verification of pH for TOC preservation	NA				SH-B			

Intake 2 (680')	190816028-01	Sample Date:	9/5/2019 11:30 AM	Sampler:	Fdevlin		

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum	NA		20	200	E200.7			
Blue-green Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Calculated Total Algae Count	270	Cells/mL	1		S10300C	DRuedas	9/6/2019	
Color-Apparent	18	PCU	1	15	S2120B	DRuedas	9/5/2019	
Color-True	9	PCU	1	15	S2120B	DRuedas	9/5/2019	
Cryptomonads	9	Cells/mL			S10300C	DRuedas	9/6/2019	
Depth	85	Feet			N/A			
Diatoms	13	Cells/mL			S10300C	DRuedas	9/6/2019	
Dinoflagellates	6	Cells/mL			S10300C	DRuedas	9/6/2019	
Dissolved Oxygen	1.40	mg/L			S4500OG			
Flagellates	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Golden Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Green Algae	240	Cells/mL			S10300C	DRuedas	9/6/2019	
Iron	NA		10	300	E200.7			
Manganese	NA		5	50	E200.7			
Metals Digestion	NA				E200.7			
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	FDevlin	9/5/2019	
pH (measured in field)	6.73	SU			SH-B			
Temperature	11.6	° C			S2550B			
Threshold Odor @ 60ºC	3.0	TON	1	3	S2150B	FDevlin	9/5/2019	
Total Organic Carbon	NA		0.3		S5310B			
Turbidity (measured in field)	7.4	NTU	0.03		S2130B			
Verification of pH for TOC preservation	NA				SH-B			

Intake 3 (700')	190816028-02	Sample Date:	9/5/2019 11:00 AM	Sampler:	Fdevlin		

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum	NA		20	200	E200.7			
Blue-green Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Calculated Total Algae Count	300	Cells/mL	1		S10300C	DRuedas	9/6/2019	
Color-Apparent	48	PCU	1	15	S2120B	DRuedas	9/5/2019	
Color-True	10	PCU	1	15	S2120B	DRuedas	9/5/2019	
Cryptomonads	10	Cells/mL			S10300C	DRuedas	9/6/2019	
Depth	65	Feet			N/A			
Diatoms	28	Cells/mL			S10300C	DRuedas	9/6/2019	
Dinoflagellates	18	Cells/mL			S10300C	DRuedas	9/6/2019	
Dissolved Oxygen	2.30	mg/L			S4500OG			
Flagellates	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Golden Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Green Algae	240	Cells/mL			S10300C	DRuedas	9/6/2019	
Iron	NA		10	300	E200.7			
Manganese	NA		5	50	E200.7			
Metals Digestion	NA				E200.7			
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	FDevlin	9/5/2019	
pH (measured in field)	6.74	SU			SH-B			
Temperature	11.8	° C			S2550B			
Threshold Odor @ 60ºC	3.0	TON	1	3	S2150B	FDevlin	9/5/2019	
Total Organic Carbon	NA		0.3		S5310B			
Turbidity (measured in field)	4.4	NTU	0.03		S2130B			
Verification of pH for TOC preservation	NA				SH-B			

Intake 4 (720')	190816028-03	Sample Date:	9/5/2019 10:50 AM	Sampler:	Fdevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	NA		20	200	E200.7			
Blue-green Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Calculated Total Algae Count	300	Cells/mL	1		S10300C	DRuedas	9/6/2019	
Color-Apparent	14	PCU	1	15	S2120B	DRuedas	9/5/2019	
Color-True	10	PCU	1	15	S2120B	DRuedas	9/5/2019	
Cryptomonads	16	Cells/mL			S10300C	DRuedas	9/6/2019	
Depth	45	Feet			N/A			
Diatoms	37	Cells/mL			S10300C	DRuedas	9/6/2019	
Dinoflagellates	21	Cells/mL			S10300C	DRuedas	9/6/2019	
Dissolved Oxygen	0.82	mg/L			S4500OG			
Flagellates	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Golden Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Green Algae	230	Cells/mL			S10300C	DRuedas	9/6/2019	
Iron	NA		10	300	E200.7			
Manganese	NA		5	50	E200.7			
Metals Digestion	NA				E200.7			
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	FDevlin	9/5/2019	
pH (measured in field)	6.69	SU			SH-B			
Temperature	12.7	° C			S2550B			
Threshold Odor @ 60ºC	2.0	TON	1	3	S2150B	FDevlin	9/5/2019	
Total Organic Carbon	NA		0.3		S5310B			
Turbidity (measured in field)	2.5	NTU	0.03		S2130B			
Verification of pH for TOC preservation	NA				SH-B			

Intake 5 (740')	190816028-04	Sample Date:	9/5/2019 10:40 AM	Sampler:	Fdevlin		

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum	NA		20	200	E200.7			
Blue-green Algae	40	Cells/mL			S10300C	DRuedas	9/6/2019	
Calculated Total Algae Count	990	Cells/mL	1		S10300C	DRuedas	9/6/2019	
Color-Apparent	14	PCU	1	15	S2120B	DRuedas	9/5/2019	
Color-True	6	PCU	1	15	S2120B	DRuedas	9/5/2019	
Cryptomonads	160	Cells/mL			S10300C	DRuedas	9/6/2019	
Depth	25	Feet			N/A			
Diatoms	28	Cells/mL			S10300C	DRuedas	9/6/2019	
Dinoflagellates	130	Cells/mL			S10300C	DRuedas	9/6/2019	
Dissolved Oxygen	0.06	mg/L			S4500OG			
Flagellates	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Golden Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Green Algae	630	Cells/mL			S10300C	DRuedas	9/6/2019	
Iron	NA		10	300	E200.7			
Manganese	NA		5	50	E200.7			
Metals Digestion	NA				E200.7			
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	FDevlin	9/5/2019	
pH (measured in field)	6.81	SU			SH-B			
Temperature	18.8	° C			S2550B			
Threshold Odor @ 60ºC	3.0	TON	1	3	S2150B	FDevlin	9/5/2019	
Total Organic Carbon	NA		0.3		S5310B			
Turbidity (measured in field)	2.1	NTU	0.03		S2130B			
Verification of pH for TOC preservation	NA				SH-B			

Intake 6 (760')	190816028-05	Sample Date:	9/5/2019 10:30 AM		Sampler: Fdevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aluminum	NA		20	200	E200.7			
Blue-green Algae	360	Cells/mL			S10300C	DRuedas	9/6/2019	
Calculated Total Algae Count	2100	Cells/mL	1		S10300C	DRuedas	9/6/2019	
Color-Apparent	6	PCU	1	15	S2120B	DRuedas	9/5/2019	
Color-True	4	PCU	1	15	S2120B	DRuedas	9/5/2019	
Cryptomonads	170	Cells/mL			S10300C	DRuedas	9/6/2019	
Depth	5.0	Feet			N/A			
Diatoms	33	Cells/mL			S10300C	DRuedas	9/6/2019	
Dinoflagellates	120	Cells/mL			S10300C	DRuedas	9/6/2019	
Dissolved Oxygen	7.30	mg/L			S4500OG			
Flagellates	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Golden Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Green Algae	1400	Cells/mL			S10300C	DRuedas	9/6/2019	
Iron	NA		10	300	E200.7			
Manganese	NA		5	50	E200.7			
Metals Digestion	NA				E200.7			
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	FDevlin	9/5/2019	
pH (measured in field)	8.18	SU			SH-B			
Temperature	25.6	° C			S2550B			
Threshold Odor @ 60ºC	4.0	TON	1	3	S2150B	FDevlin	9/5/2019	
Total Organic Carbon	NA		0.3		S5310B			
Turbidity (measured in field)	2.1	NTU	0.03		S2130B			
Verification of pH for TOC preservation	NA				SH-B			

Log Boom - SLO #1	190816030-01	Sample Date:	9/5/2019 11:05 AM		Sampler: FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Depth	9.0	Feet			N/A			
Invasive Mussel Inspection	Absent	Present/Absent			Field Observation	TChen	9/5/2019	

Log Boom 02 Feet	190816029-00	Sample Date:	9/5/2019 10:25 AM		Sampler: FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	7.60	mg/L			S4500OG			
pH (measured in field)	8.19	SU			SH-B			
Temperature	25.7	° C			S2550B			

Log Boom 05 Feet	190816029-01	Sample Date:	9/5/2019 10:25 AM		Sampler: FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	7.30	mg/L			S4500OG			
pH (measured in field)	8.18	SU			SH-B			
Temperature	25.6	° C			S2550B			

Log Boom 10 Feet	190816029-02	Sample Date:	9/5/2019 10:26 AM		Sampler: FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	6.50	mg/L			S4500OG			
pH (measured in field)	7.93	SU			SH-B			
Temperature	25.4	° C			S2550B			

Log Boom 100 Feet	190816029-20		Sample Date:	9/5/2019 10:46 AM		Sampler: FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.10	mg/L			S4500OG			
pH (measured in field)	6.72	SU			SH-B			
Temperature	11.3	° C			S2550B			
Log Boom 105 Feet	**190816029-21**		**Sample Date:**	9/5/2019 10:47 AM		**Sampler:** FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.80	mg/L			S4500OG			
pH (measured in field)	7.92	SU			SH-B			
Temperature	12.1	° C			S2550B			
Log Boom 15 Feet	**190816029-03**		**Sample Date:**	9/5/2019 10:28 AM		**Sampler:** FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	3.30	mg/L			S4500OG			
pH (measured in field)	7.37	SU			SH-B			
Temperature	24.6	° C			S2550B			
Log Boom 20 Feet	**190816029-04**		**Sample Date:**	9/5/2019 10:29 AM		**Sampler:** FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.12	mg/L			S4500OG			
pH (measured in field)	6.98	SU			SH-B			
Temperature	21.0	° C			S2550B			
Log Boom 25 Feet	**190816029-05**		**Sample Date:**	9/5/2019 10:29 AM		**Sampler:** FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.06	mg/L			S4500OG			
pH (measured in field)	6.81	SU			SH-B			
Temperature	18.8	° C			S2550B			
Log Boom 30 Feet	**190816029-06**		**Sample Date:**	9/5/2019 10:30 AM		**Sampler:** FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.08	mg/L			S4500OG			
pH (measured in field)	6.73	SU			SH-B			
Temperature	16.2	° C			S2550B			
Log Boom 35 Feet	**190816029-07**		**Sample Date:**	9/5/2019 10:31 AM		**Sampler:** FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.07	mg/L			S4500OG			
pH (measured in field)	6.71	SU			SH-B			
Temperature	15.0	° C			S2550B			
Log Boom 40 Feet	**190816029-08**		**Sample Date:**	9/5/2019 10:32 AM		**Sampler:** FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.07	mg/L			S4500OG			
pH (measured in field)	6.68	SU			SH-B			
Temperature	13.7	° C			S2550B			
Log Boom 45 Feet	**190816029-09**		**Sample Date:**	9/5/2019 10:33 AM		**Sampler:** FDevlin		
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.82	mg/L			S4500OG			
pH (measured in field)	6.69	SU			SH-B			
Temperature	12.7	° C			S2550B			

Log Boom 50 Feet	190816029-10	Sample Date:	9/5/2019 10:34 AM	Sampler: FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.80	mg/L			S4500OG			
pH (measured in field)	6.74	SU			SH-B			
Temperature	12.3	° C			S2550B			
Log Boom 55 Feet	**190816029-11**	**Sample Date:**	9/5/2019 10:35 AM	**Sampler:** FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.20	mg/L			S4500OG			
pH (measured in field)	6.75	SU			SH-B			
Temperature	12.1	° C			S2550B			
Log Boom 60 Feet	**190816029-12**	**Sample Date:**	9/5/2019 10:36 AM	**Sampler:** FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.20	mg/L			S4500OG			
pH (measured in field)	6.76	SU			SH-B			
Temperature	11.9	° C			S2550B			
Log Boom 65 Feet	**190816029-13**	**Sample Date:**	9/5/2019 10:37 AM	**Sampler:** FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.30	mg/L			S4500OG			
pH (measured in field)	6.74	SU			SH-B			
Temperature	11.8	° C			S2550B			
Log Boom 70 Feet	**190816029-14**	**Sample Date:**	9/5/2019 10:38 AM	**Sampler:** FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.50	mg/L			S4500OG			
pH (measured in field)	6.73	SU			SH-B			
Temperature	11.7	° C			S2550B			
Log Boom 75 Feet	**190816029-15**	**Sample Date:**	9/5/2019 10:39 AM	**Sampler:** FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.50	mg/L			S4500OG	TChen	9/5/2019	
pH (measured in field)	6.75	SU			SH-B	TChen	9/5/2019	
Temperature	11.7	° C			S2550B	TChen	9/5/2019	
Log Boom 80 Feet	**190816029-16**	**Sample Date:**	9/5/2019 10:42 AM	**Sampler:** FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.50	mg/L			S4500OG			
pH (measured in field)	6.73	SU			SH-B			
Temperature	11.7	° C			S2550B			
Log Boom 85 Feet	**190816029-17**	**Sample Date:**	9/5/2019 10:42 AM	**Sampler:** FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.40	mg/L			S4500OG			
pH (measured in field)	6.73	SU			SH-B			
Temperature	11.6	° C			S2550B			
Log Boom 90 Feet	**190816029-18**	**Sample Date:**	9/5/2019 10:44 AM	**Sampler:** FDevlin				
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.20	mg/L			S4500OG			
pH (measured in field)	6.78	SU			SH-B			
Temperature	11.5	° C			S2550B			

Log Boom 95 Feet	**190816029-19**	**Sample Date:**	9/5/2019 10:45 AM		**Sampler:** FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.20	mg/L			S4500OG			
pH (measured in field)	6.73	SU			SH-B			
Temperature	11.4	° C			S2550B			
Nacimiento Reservoir Inlet - Raw	**190816026-00**	**Sample Date:**	9/5/2019 11:17 AM		**Sampler:** FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Blue-green Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Calculated Total Algae Count	320	Cells/mL	1		S10300C	DRuedas	9/6/2019	
Color-Apparent	8	PCU	1	15	S2120B	DRuedas	9/5/2019	
Color-True	5	PCU	1	15	S2120B	DRuedas	9/5/2019	
Cryptomonads	8	Cells/mL			S10300C	DRuedas	9/6/2019	
Depth	5.0	Feet			N/A			
Diatoms	17	Cells/mL			S10300C	DRuedas	9/6/2019	
Dinoflagellates	10	Cells/mL			S10300C	DRuedas	9/6/2019	
Dissolved Oxygen	5.10	mg/L			S4500OG			
Elevation of intake	760	ft			None			
Flagellates	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Golden Algae	0	Cells/mL			S10300C	DRuedas	9/6/2019	
Green Algae	280	Cells/mL			S10300C	DRuedas	9/6/2019	
Intake # currently in use		Feet			N/A			
Iron	NA		10	300	E200.7			
Manganese	NA		5	50	E200.7			
Microcystin Screen	NA				Screen			
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	FDevlin	9/5/2019	
pH (measured in field)	7.64	SU			SH-B			
Temperature	21.3	° C			S2550B			
Threshold Odor @ 60ºC	2.0	TON	1	3	S2150B	FDevlin	9/5/2019	
Turbidity (measured in field)	2.0	NTU	0.03		S2130B			
Nacimiento Reservoir Inlet - Raw	**190816027-00**	**Sample Date:**	9/5/2019 9:09 AM		**Sampler:** FDevlin			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
E. Coli Bacteria	<1	MPN/100ml	1		S9223B	FDevlin	9/6/2019	
Elevation of intake	760	ft			None			
Intake # currently in use		Feet			N/A			
Temperature	21.3	° C			S2550B			
Total Coliform Bacteria	>24000	MPN/100mL	1		S9223B	FDevlin	9/6/2019	

FOOTNOTES

NA = not analyzed

ND = not detected above reporting limit

RL - Reporting Limit

MCL = Maximum Contaminant Level

Odor Type Legend: A - Aromatic (camphor, cloves, lavender, lemon); B - Balsamic (fragrant - gernaium, violets, vanilla); C - Chemical; Cc - free chlorine; Ch - Hydrocarbon, Cm - Medicinal; Cs - Sulfuretted; D - Disagreeable; Df - Fishy; Dp - Pigpen; Ds - Septic; E - Earthy; G - Grassy; M - Musty; V - Vegetable

"++" after a result indicates "greater than" the value. "+" after a result indicates "greater than or equal to" the value.

Data Qualifier	Translation
B	Blank contamination; Analyte detected above the method reporting limit in an associated blank
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J1	Reported value is estimated; Surrogate recoveries limits were exceeded
J2	Reported value is estimated; No known QC criteria for this component
J3	Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
J4	Reported value is estimated; The sample matrix interfered with the analysis
K	Off-scale low. Actual value is known to be less than the value given
L	Off-scale high. Actual value is known to be greater than value given
Q	Sample held beyond the accepted holding time
R	Data required additional review before reporting
T	Value reported is less than the laboratory method detection limit
U	Compound was analyzed for but not detected
V	Analyte was detected in both the sample and the associated method blank
Z	Too Numerous to count (TNTC)