Department of Public Works
Water Quality Laboratory

CustomerName:
NACIMIENTO PROJECT

Analytical Report

Floating Toilet near LNR docks **220422030-02** **Sample Date:** 5/24/2022 11:45 AM **Sampler:** TChen

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Field Inspection	Complete	N/A			None	JAlmas	5/26/2022	

HROA Marina **220422029-00** **Sample Date:** 5/24/2022 12:45 PM **Sampler:** TChen

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Depth	NA				N/A	JAlmas	5/26/2022	
Invasive Mussel Inspection	Missing	Present/Absent			Field Observations	JAlmas	5/26/2022	

Intake 1 (660') **220422027-00** **Sample Date:** 5/24/2022 11:20 AM **Sampler:** Jalmas

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Calculated Total Algae Count	38	Cells/mL	1		S10300C	TChen	6/9/2022	
Color-Apparent	24	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Color-True	28	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Cryptomonads	0	Cells/mL			S10300C	TChen	6/9/2022	
Depth	70	Feet			N/A	JAlmas	5/24/2022	
Diatoms	38	Cells/mL			S10300C	TChen	6/9/2022	
Dinoflagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Dissolved Oxygen	0.93	mg/L			S4500OG	JAlmas	5/24/2022	
Flagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Golden Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Green Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Iron	390	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Manganese	65	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Metals Digestion	Yes	Yes/No			E200.7	DRuedas	5/25/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	MDAndrews	5/24/2022	
pH (measured in field)	7.14	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.4	°C			S2550B	JAlmas	5/24/2022	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	MDAndrews	5/24/2022	
Turbidity (measured in field)	14	NTU	0.03		S2130B	JAlmas	5/24/2022	

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Analytical Report

Intake 2 (680') **220422027-01** **Sample Date:** 5/24/2022 11:25 AM **Sampler:** Jalmas

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Calculated Total Algae Count	570	Cells/mL	1		S10300C	TChen	6/9/2022	
Color-Apparent	16	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Color-True	14	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Cryptomonads	0	Cells/mL			S10300C	TChen	6/9/2022	
Depth	50	Feet			N/A	JAlmas	5/24/2022	
Diatoms	550	Cells/mL			S10300C	TChen	6/9/2022	
Dinoflagellates	3	Cells/mL			S10300C	TChen	6/9/2022	
Dissolved Oxygen	1.38	mg/L			S4500OG	JAlmas	5/24/2022	
Flagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Golden Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Green Algae	20	Cells/mL			S10300C	TChen	6/9/2022	
Iron	140	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Manganese	15	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Metals Digestion	Yes	Yes/No			E200.7	DRuedas	5/25/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	MDAndrews	5/24/2022	
pH (measured in field)	7.16	SU			SH-B	JAlmas	5/24/2022	
Temperature	11.0	°C			S2550B	JAlmas	5/24/2022	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	MDAndrews	5/24/2022	
Turbidity (measured in field)	7.8	NTU	0.03		S2130B	JAlmas	5/24/2022	

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Analytical Report

Intake 3 (700') **220422027-02** **Sample Date:** 5/24/2022 11:27 AM **Sampler:** Jalmas

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Calculated Total Algae Count	180	Cells/mL	1		S10300C	TChen	6/9/2022	
Color-Apparent	13	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Color-True	20	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Cryptomonads	0	Cells/mL			S10300C	TChen	6/9/2022	
Depth	30	Feet			N/A	JAlmas	5/24/2022	
Diatoms	180	Cells/mL			S10300C	TChen	6/9/2022	
Dinoflagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Dissolved Oxygen	1.29	mg/L			S4500OG	JAlmas	5/24/2022	
Flagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Golden Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Green Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Iron	68	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Manganese	< 10	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Metals Digestion	Yes	Yes/No			E200.7	DRuedas	5/25/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	G	Odor Type			S2150B	MDAndrews	5/24/2022	
pH (measured in field)	7.26	SU			SH-B	JAlmas	5/24/2022	
Temperature	14.0	°C			S2550B	JAlmas	5/24/2022	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	MDAndrews	5/24/2022	
Turbidity (measured in field)	5.2	NTU	0.03		S2130B	JAlmas	5/24/2022	

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Analytical Report

Intake 4 (720') **220422027-03** **Sample Date:** 5/24/2022 11:30 AM **Sampler:** Jalmas

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	81	Cells/mL			S10300C	TChen	6/9/2022	
Calculated Total Algae Count	810	Cells/mL	1		S10300C	TChen	6/9/2022	
Color-Apparent	8	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Color-True	7	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Cryptomonads	0	Cells/mL			S10300C	TChen	6/9/2022	
Depth	10	Feet			N/A	JAlmas	5/24/2022	
Diatoms	700	Cells/mL			S10300C	TChen	6/9/2022	
Dinoflagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Dissolved Oxygen	7.71	mg/L			S4500OG	JAlmas	5/24/2022	
Flagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Golden Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Green Algae	30	Cells/mL			S10300C	TChen	6/9/2022	
Iron	23	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Manganese	< 10	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Metals Digestion	Yes	Yes/No			E200.7	DRuedas	5/25/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	G	Odor Type			S2150B	MDAndrews	5/24/2022	
pH (measured in field)	8.19	SU			SH-B	JAlmas	5/24/2022	
Temperature	21.1	°C			S2550B	JAlmas	5/24/2022	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	MDAndrews	5/24/2022	
Turbidity (measured in field)	1.1	NTU	0.03		S2130B	JAlmas	5/24/2022	

Log Boom - SLO #1 **220422029-01** **Sample Date:** 5/24/2022 11:40 AM **Sampler:** TChen

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Depth	NA				N/A	TChen	5/24/2022	
Invasive Mussel Inspection	Missing	Present/Absent			Field Observations	TChen	5/24/2022	

Log Boom 02 Feet **220422028-00** **Sample Date:** 5/24/2022 11:20 AM **Sampler:** TChen

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Dissolved Oxygen	7.74	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	8.26	SU			SH-B	JAlmas	5/24/2022	
Temperature	22.1	°C			S2550B	JAlmas	5/24/2022	

Log Boom 05 Feet **220422028-01** **Sample Date:** 5/24/2022 11:20 AM **Sampler:** TChen

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Dissolved Oxygen	7.73	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	8.26	SU			SH-B	JAlmas	5/24/2022	
Temperature	21.5	°C			S2550B	JAlmas	5/24/2022	

Log Boom 10 Feet **220422028-02** **Sample Date:** 5/24/2022 11:20 AM **Sampler:** TChen

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Dissolved Oxygen	7.71	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	8.19	SU			SH-B	JAlmas	5/24/2022	
Temperature	21.1	°C			S2550B	JAlmas	5/24/2022	

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Analytical Report

Log Boom 100 Feet	**220422028-20**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	NA				S4500OG	JAlmas	5/24/2022	
pH (measured in field)	NA				SH-B	JAlmas	5/24/2022	
Temperature	NA				S2550B	JAlmas	5/24/2022	
Log Boom 15 Feet	**220422028-03**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	7.31	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	8.07	SU			SH-B	JAlmas	5/24/2022	
Temperature	20.6	°C			S2550B	JAlmas	5/24/2022	
Log Boom 20 Feet	**220422028-04**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	5.03	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.71	SU			SH-B	JAlmas	5/24/2022	
Temperature	18.6	°C			S2550B	JAlmas	5/24/2022	
Log Boom 25 Feet	**220422028-05**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	2.41	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.40	SU			SH-B	JAlmas	5/24/2022	
Temperature	16.4	°C			S2550B	JAlmas	5/24/2022	
Log Boom 30 Feet	**220422028-06**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.29	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.26	SU			SH-B	JAlmas	5/24/2022	
Temperature	14.0	°C			S2550B	JAlmas	5/24/2022	
Log Boom 35 Feet	**220422028-07**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.52	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.22	SU			SH-B	JAlmas	5/24/2022	
Temperature	12.2	°C			S2550B	JAlmas	5/24/2022	
Log Boom 40 Feet	**220422028-08**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.46	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.20	SU			SH-B	JAlmas	5/24/2022	
Temperature	11.5	°C			S2550B	JAlmas	5/24/2022	
Log Boom 45 Feet	**220422028-09**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.59	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.17	SU			SH-B	JAlmas	5/24/2022	
Temperature	11.2	°C			S2550B	JAlmas	5/24/2022	

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Log Boom 50 Feet	**220422028-10**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.38	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.16	SU			SH-B	JAlmas	5/24/2022	
Temperature	11.0	°C			S2550B	JAlmas	5/24/2022	
Log Boom 55 Feet	**220422028-11**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.47	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.16	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.8	°C			S2550B	JAlmas	5/24/2022	
Log Boom 60 Feet	**220422028-12**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.10	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.14	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.6	°C			S2550B	JAlmas	5/24/2022	
Log Boom 65 Feet	**220422028-13**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	1.11	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.15	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.5	°C			S2550B	JAlmas	5/24/2022	
Log Boom 70 Feet	**220422028-14**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.93	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.14	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.4	°C			S2550B	JAlmas	5/24/2022	
Log Boom 75 Feet	**220422028-15**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.78	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.14	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.4	°C			S2550B	JAlmas	5/24/2022	
Log Boom 80 Feet	**220422028-16**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.63	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.13	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.3	°C			S2550B	JAlmas	5/24/2022	
Log Boom 85 Feet	**220422028-17**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.54	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.12	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.3	°C			S2550B	JAlmas	5/24/2022	

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Log Boom 90 Feet	**220422028-18**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	0.52	mg/L			S4500OG	JAlmas	5/24/2022	
pH (measured in field)	7.15	SU			SH-B	JAlmas	5/24/2022	
Temperature	10.3	°C			S2550B	JAlmas	5/24/2022	

Log Boom 95 Feet	**220422028-19**		**Sample Date:**	5/24/2022 11:20 AM		**Sampler:**	TChen	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Dissolved Oxygen	NA				S4500OG	JAlmas	5/24/2022	
pH (measured in field)	NA				SH-B	JAlmas	5/24/2022	
Temperature	NA				S2550B	JAlmas	5/24/2022	

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Analytical Report

Nacimiento Reservoir Inlet - Raw	**220422021-00**		**Sample Date:**	5/24/2022 9:33 AM		**Sampler:**	TC/JA	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Antimony	NA			6	E200.8			
Arsenic	NA			10	E200.8			
Cyanide	NA				SCN-F			
Lead	NA			15	E200.8			
Mercury	NA			2	E245.1			
Perchlorate with 0.5 ppb Detection Limit	NA				E331			
Selenium	NA			50	E200.8			
Thallium	NA			2	E200.8			

Nacimiento Reservoir Inlet - Raw	**220422022-00**		**Sample Date:**	5/24/2022 9:33 AM		**Sampler:**	TC/JA	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Aggressiveness Index (Calculated)	11.0	AGGR			None	DRuedas	6/7/2022	J2
Aluminum	170	ug/L	20	200	E200.7	DRuedas	5/31/2022	
Barium	37	ug/L	10	1000	E200.7	DRuedas	5/31/2022	
Beryllium	< 1	ug/L	1	4	E200.7	DRuedas	5/31/2022	
Bicarbonate Alkalinity as HCO3	100	mg/L			S2320B	MDAndrews	5/26/2022	
Bicarbonate as CaCO3	86	mg/L	1		S2320B	MDAndrews	5/26/2022	
Boron	49	ug/L	25	1000	E200.7	DRuedas	5/31/2022	
Cadmium	< 1	ug/L	1	5	E200.7	DRuedas	5/31/2022	
Calcium	25	mg/L	1		E200.7	JAlmas	6/2/2022	
Carbonate Alkalinity as CO3	0	mg/L			S2320B	MDAndrews	5/26/2022	
Carbonate as CaCO3	< 1	mg/L	1		S2320B	MDAndrews	5/26/2022	
Chloride	11	mg/L	1	500	E300.0	BValencia	5/31/2022	
Chromium	< 10	ug/L	10	50	E200.7	DRuedas	5/31/2022	
CLIP Upload Fee	Complete	Units			None	TChen	5/24/2022	
Color-Apparent	18	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Color-True	17	PCU	1	15	S2120B	MDAndrews	5/25/2022	
Copper	< 20	ug/L	20	1000	E200.7	DRuedas	5/31/2022	
Fluoride, Without Predistillation	0.13	mg/L	0.1	2	E300.0	BValencia	5/31/2022	
Hydroxide Alkalinity as OH	0	mg/L			S2320B	MDAndrews	5/26/2022	
Hydroxide as CaCO3	< 1	mg/L	1		S2320B	MDAndrews	5/26/2022	
Iron	220	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Langelier Index (Calculated)	-1.1	LANG			N/A	DRuedas	6/7/2022	J2
Magnesium	12	mg/L	1		E200.7	JAlmas	6/2/2022	
Manganese	25	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Methylene Blue Active Substances	< 0.1	mg/L	0.1	0.5	S5540C	VVogel	5/25/2022	
Nickel	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Nitrate and Nitrite as Nitrogen subcontracted	< 0.40	mg/L	0.4	10	E300.0	DRuedas	6/7/2022	
Nitrate as N subcontracted	< 0.40	mg/L	0.2	10	E300.0	OEC	5/25/2022	
Nitrite as N subcontracted	< 0.40	mg/L	0.4	1	E300.0	OEC	5/25/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	G	Odor Type			S2150B	MDAndrews	5/24/2022	

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Analytical Report

Nacimiento Reservoir Inlet - Raw	**220422022-00**		**Sample Date:**	5/24/2022 9:33 AM		**Sampler:** TC/JA	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
pH (measured in the lab)	6.72	SU			SH-B	BValencia	5/24/2022	
Potassium	1.5	mg/L	1		E200.7	JAlmas	6/2/2022	
Silver	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Sodium	7.9	mg/L	1		E200.7	JAlmas	6/2/2022	
Sodium Adsorption Ratio (Calculated)	0.32	SU			None	DRuedas	6/9/2022	
Specific Conductance (@ 25ºC in Lab)	250	umhos/cm	10		S2510B 1997	VVogel	5/25/2022	
Sulfate	25	mg/L	0.5	500	E300.0	BValencia	5/31/2022	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	MDAndrews	5/24/2022	
Total Alkalinity as CaCO3	86	mg/L	1		S2320B	MDAndrews	5/26/2022	
Total Dissolved Solids	160	mg/L	1	1000	S2540C	VVogel	5/31/2022	
Total Hardness as CaCO3 (Calculated)	110	mg/L	1		E200.7	JAlmas	6/2/2022	
Turbidity	3.8	NTU	0.03	0.5	S2130B	MDAndrews	5/24/2022	
Zinc	< 25	ug/L	25	5000	E200.7	DRuedas	5/31/2022	

Nacimiento Reservoir Inlet - Raw	**220422022-01**		**Sample Date:**	5/24/2022 9:33 AM		**Sampler:** TC/JA	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Depth	700	Feet			N/A	TChen	5/24/2022	
Dissolved Oxygen	4.16	mg/L			S4500OG	TChen	5/24/2022	
Elevation of intake	700	Feet			None	TChen	5/24/2022	
Intake depth in use	30	feet			None	TChen	5/24/2022	
Metals Digestion	Yes	Yes/No			E200.7	DRuedas	5/26/2022	
pH (measured in field)	7.25	SU			SH-B	TChen	5/24/2022	
Temperature	13.4	°C			S2550B	TChen	5/24/2022	
Turbidity (measured in field)	4.1	NTU	0.03		S2130B	TChen	5/24/2022	

Nacimiento Reservoir Inlet - Raw	**220422025-00**		**Sample Date:**	5/24/2022 9:33 AM		**Sampler:** TC/JA	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Blue-green Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Calculated Total Algae Count	850	Cells/mL	1		S10300C	TChen	6/9/2022	
Cryptomonads	0	Cells/mL			S10300C	TChen	6/9/2022	
Diatoms	820	Cells/mL			S10300C	TChen	6/9/2022	
Dinoflagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Flagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Golden Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Green Algae	30	Cells/mL			S10300C	TChen	6/9/2022	
Total Organic Carbon	NA				S5310C			

Nacimiento Reservoir Inlet - Raw	**220422026-00**		**Sample Date:**	5/24/2022 9:33 AM		**Sampler:** TC/JA	
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
E. Coli Bacteria	< 1	MPN/100ml	1		S9223B	TChen	5/25/2022	
Elevation of intake	700	Feet			None	JAlmas	5/26/2022	
Intake # currently in use	3	Units			N/A	JAlmas	5/26/2022	
Temperature	13.4	°C			S2550B	JAlmas	5/26/2022	

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Analytical Report

Nacimiento Reservoir Inlet - Raw	**220422026-00**	**Sample Date:**	5/24/2022 9:33 AM		**Sampler:** TC/JA			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Total Coliform Bacteria	390	MPN/100mL	1		S9223B	TChen	5/25/2022	

OSCA Marina	**220422029-02**	**Sample Date:**	5/24/2022 1:00 PM		**Sampler:** TChen			
Analyte	**Result**	**Units**	**RL**	**MCL**	**Method**	**Analyst**	**Anal. Date**	**Qualifier**
Depth	18	Feet			N/A	JAlmas	5/26/2022	
Invasive Mussel Inspection	Absent	Present/Absent			Field Observations	JAlmas	5/26/2022	

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Analytical Report

Watershed - Dip Creek **220422023-00** **Sample Date:** 5/24/2022 12:15 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aggressiveness Index (Calculated)	12.3	AGGR			None	DRuedas	6/7/2022	J2
Aluminum	72	ug/L	20	200	E200.7	DRuedas	5/31/2022	
Antimony	NA			6	E200.8			
Arsenic	NA			10	E200.8			
Barium	41	ug/L	10	1000	E200.7	DRuedas	5/31/2022	
Beryllium	< 1.0	ug/L	1	4	E200.7	DRuedas	5/31/2022	
Bicarbonate Alkalinity as HCO3	110	mg/L			S2320B	MDAndrews	5/26/2022	
Bicarbonate as CaCO3	93	mg/L	1		S2320B	MDAndrews	5/26/2022	
Boron	54	ug/L	25	1000	E200.7	DRuedas	5/31/2022	
Cadmium	< 1.0	ug/L	1	5	E200.7	DRuedas	5/31/2022	
Calcium	27	mg/L	1		E200.7	JAlmas	6/2/2022	
Carbonate Alkalinity as CO3	0	mg/L			S2320B	MDAndrews	5/26/2022	
Carbonate as CaCO3	< 1	mg/L	1		S2320B	MDAndrews	5/26/2022	
Chloride	11	mg/L	1	500	E300.0	BValencia	5/31/2022	
Chromium	< 10	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Copper	< 20	ug/L	20	1000	E200.7	DRuedas	5/31/2022	
Cyanide	NA				SCN-F			
Depth	2.0	Feet			N/A	TChen	5/24/2022	
Dissolved Oxygen	8.93	mg/L			S4500OG	TChen	5/24/2022	
Fluoride, Without Predistillation	0.14	mg/L	0.1	2	E300.0	BValencia	5/31/2022	
Hydroxide Alkalinity as OH	0	mg/L			S2320B	MDAndrews	5/26/2022	
Hydroxide as CaCO3	< 1	mg/L	1		S2320B	MDAndrews	5/26/2022	
Iron	120	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Langelier Index (Calculated)	0.56	LANG			N/A	DRuedas	6/7/2022	J2
Lead	NA			15	E200.8			
Magnesium	13	mg/L	1		E200.7	JAlmas	6/2/2022	
Manganese	17	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Mercury	NA			2	E245.1			
Methylene Blue Active Substances	< 0.1	mg/L	0.1	0.5	S5540C	VVogel	5/25/2022	
Nickel	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Nitrate and Nitrite as Nitrogen subcontracted	< 0.40	mg/L	0.4	10	E300.0	DRuedas	6/7/2022	
Nitrate as N subcontracted	< 0.40	mg/L	0.2	10	E300.0	OEC	5/25/2022	
Nitrite as N subcontracted	< 0.40	mg/L	0.4	1	E300.0	OEC	5/25/2022	
Perchlorate with 0.5 ppb Detection Limit	NA				E331			
pH (measured in field)	8.28	SU			SH-B	TChen	5/24/2022	
pH (measured in the lab)	7.72	SU			SH-B	BValencia	5/24/2022	
Potassium	1.7	mg/L	1		E200.7	JAlmas	6/2/2022	
Selenium	NA			50	E200.8			
Silver	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Sodium	8.1	mg/L	1		E200.7	JAlmas	6/2/2022	

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Analytical Report

Watershed - Dip Creek **220422023-00** **Sample Date:** 5/24/2022 12:15 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Sodium Adsorption Ratio (Calculated)	0.32	SU			None	DRuedas	6/9/2022	
Specific Conductance (@ 25°C in Lab)	270	umhos/cm	10		S2510B 1997	VVogel	5/25/2022	
Sulfate	29	mg/L	0.5	500	E300.0	BValencia	5/31/2022	
Temperature	25.5	°C			S2550B	TChen	5/24/2022	
Thallium	NA			2	E200.8			
Total Alkalinity as CaCO3	93	mg/L	1		S2320B	MDAndrews	5/26/2022	
Total Dissolved Solids	170	mg/L	1	1000	S2540C	VVogel	5/31/2022	
Total Hardness as CaCO3 (Calculated)	120	mg/L	1		E200.7	JAlmas	6/2/2022	
Turbidity (measured in field)	5.1	NTU	0.03		S2130B	TChen	5/24/2022	
Zinc	< 25	ug/L	25	5000	E200.7	DRuedas	5/31/2022	

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Analytical Report

Watershed - Las Tablas Creek - downstrm **220422023-01** **Sample Date:** 5/24/2022 12:30 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aggressiveness Index (Calculated)	12.5	AGGR			None	DRuedas	6/7/2022	J2
Aluminum	37	ug/L	20	200	E200.7	DRuedas	5/31/2022	
Antimony	NA			6	E200.8			
Arsenic	NA			10	E200.8			
Barium	42	ug/L	10	1000	E200.7	DRuedas	5/31/2022	
Beryllium	< 1.0	ug/L	1	4	E200.7	DRuedas	5/31/2022	
Bicarbonate Alkalinity as HCO3	110	mg/L			S2320B	MDAndrews	5/26/2022	
Bicarbonate as CaCO3	94	mg/L	1		S2320B	MDAndrews	5/26/2022	
Boron	55	ug/L	25	1000	E200.7	DRuedas	5/31/2022	
Cadmium	< 1.0	ug/L	1	5	E200.7	DRuedas	5/31/2022	
Calcium	28	mg/L	1		E200.7	JAlmas	6/2/2022	
Carbonate Alkalinity as CO3	4	mg/L			S2320B	MDAndrews	5/26/2022	
Carbonate as CaCO3	7	mg/L	1		S2320B	MDAndrews	5/26/2022	
Chloride	12	mg/L	1	500	E300.0	BValencia	5/31/2022	
Chromium	< 10	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Copper	< 20	ug/L	20	1000	E200.7	DRuedas	5/31/2022	
Cyanide	NA				SCN-F			
Depth	2.0	Feet			N/A	TChen	5/24/2022	
Dissolved Oxygen	8.62	mg/L			S4500OG	TChen	5/24/2022	
Fluoride, Without Predistillation	0.14	mg/L	0.1	2	E300.0	BValencia	5/31/2022	
Hydroxide Alkalinity as OH	0	mg/L			S2320B	MDAndrews	5/26/2022	
Hydroxide as CaCO3	< 1	mg/L	1		S2320B	MDAndrews	5/26/2022	
Iron	42	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Langelier Index (Calculated)	0.66	LANG			N/A	DRuedas	6/7/2022	J2
Lead	NA			15	E200.8			
Magnesium	14	mg/L	1		E200.7	JAlmas	6/2/2022	
Manganese	13	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Mercury	NA			2	E245.1			
Methylene Blue Active Substances	< 0.1	mg/L	0.1	0.5	S5540C	VVogel	5/25/2022	
Nickel	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Nitrate and Nitrite as Nitrogen subcontracted	< 0.40	mg/L	0.4	10	E300.0	DRuedas	6/7/2022	
Nitrate as N subcontracted	< 0.40	mg/L	0.2	10	E300.0	OEC	5/25/2022	
Nitrite as N subcontracted	< 0.40	mg/L	0.4	1	E300.0	OEC	5/25/2022	
Perchlorate with 0.5 ppb Detection Limit	NA				E331			
pH (measured in field)	8.37	SU			SH-B	TChen	5/24/2022	
pH (measured in the lab)	8.03	SU			SH-B	BValencia	5/24/2022	
Potassium	1.9	mg/L	1		E200.7	JAlmas	6/2/2022	
Selenium	NA			50	E200.8			
Silver	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Sodium	8.4	mg/L	1		E200.7	JAlmas	6/2/2022	

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Analytical Report

Watershed - Las Tablas Creek - downstrm **220422023-01** **Sample Date:** 5/24/2022 12:30 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Sodium Adsorption Ratio (Calculated)	0.32	SU			None	DRuedas	6/9/2022	
Specific Conductance (@ 25°C in Lab)	280	umhos/cm	10		S2510B 1997	VVogel	5/25/2022	
Sulfate	31	mg/L	0.5	500	E300.0	BValencia	5/31/2022	
Temperature	23.9	°C			S2550B	TChen	5/24/2022	
Thallium	NA			2	E200.8			
Total Alkalinity as CaCO3	101	mg/L	1		S2320B	MDAndrews	5/26/2022	
Total Dissolved Solids	180	mg/L	1	1000	S2540C	VVogel	5/31/2022	
Total Hardness as CaCO3 (Calculated)	130	mg/L	1		E200.7	JAlmas	6/2/2022	
Turbidity (measured in field)	2.6	NTU	0.03		S2130B	TChen	5/24/2022	
Zinc	< 25	ug/L	25	5000	E200.7	DRuedas	5/31/2022	

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Analytical Report

Watershed - Las Tablas Creek - upstream **220422023-02** **Sample Date:** 5/24/2022 12:45 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aggressiveness Index (Calculated)	12.4	AGGR			None	DRuedas	6/7/2022	J2
Aluminum	54	ug/L	20	200	E200.7	DRuedas	5/31/2022	
Antimony	NA			6	E200.8			
Arsenic	NA			10	E200.8			
Barium	45	ug/L	10	1000	E200.7	DRuedas	5/31/2022	
Beryllium	< 1.0	ug/L	1	4	E200.7	DRuedas	5/31/2022	
Bicarbonate Alkalinity as HCO3	110	mg/L			S2320B	MDAndrews	5/26/2022	
Bicarbonate as CaCO3	94	mg/L	1		S2320B	MDAndrews	5/26/2022	
Boron	57	ug/L	25	1000	E200.7	DRuedas	5/31/2022	
Cadmium	< 1.0	ug/L	1	5	E200.7	DRuedas	5/31/2022	
Calcium	30	mg/L	1		E200.7	JAlmas	6/2/2022	
Carbonate Alkalinity as CO3	6	mg/L			S2320B	MDAndrews	5/26/2022	
Carbonate as CaCO3	9	mg/L	1		S2320B	MDAndrews	5/26/2022	
Chloride	12	mg/L	1	500	E300.0	BValencia	5/31/2022	
Chromium	< 10	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Copper	< 20	ug/L	20	1000	E200.7	DRuedas	5/31/2022	
Cyanide	NA				SCN-F			
Depth	2.0	Feet			N/A	TChen	5/24/2022	
Dissolved Oxygen	8.67	mg/L			S4500OG	TChen	5/24/2022	
Fluoride, Without Predistillation	0.14	mg/L	0.1	2	E300.0	BValencia	5/31/2022	
Hydroxide Alkalinity as OH	0	mg/L			S2320B	MDAndrews	5/26/2022	
Hydroxide as CaCO3	< 1	mg/L	1		S2320B	MDAndrews	5/26/2022	
Iron	71	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Langelier Index (Calculated)	0.56	LANG			N/A	DRuedas	6/7/2022	J2
Lead	NA			15	E200.8			
Magnesium	14	mg/L	1		E200.7	JAlmas	6/2/2022	
Manganese	22	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Mercury	NA			2	E245.1			
Methylene Blue Active Substances	< 0.1	mg/L	0.1	0.5	S5540C	VVogel	5/25/2022	
Nickel	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Nitrate and Nitrite as Nitrogen subcontracted	< 0.40	mg/L	0.4	10	E300.0	DRuedas	6/7/2022	
Nitrate as N subcontracted	< 0.40	mg/L	0.2	10	E300.0	OEC	5/25/2022	
Nitrite as N subcontracted	< 0.40	mg/L	0.4	1	E300.0	OEC	5/25/2022	
Perchlorate with 0.5 ppb Detection Limit	NA				E331			
pH (measured in field)	8.46	SU			SH-B	TChen	5/24/2022	
pH (measured in the lab)	8.21	SU			SH-B	BValencia	5/24/2022	
Potassium	1.7	mg/L	1		E200.7	JAlmas	6/2/2022	
Selenium	NA			50	E200.8			
Silver	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Sodium	9.8	mg/L	1		E200.7	JAlmas	6/2/2022	

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Analytical Report

Watershed - Las Tablas Creek - upstream **220422023-02** **Sample Date:** 5/24/2022 12:45 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Sodium Adsorption Ratio (Calculated)	0.37	SU			None	DRuedas	6/9/2022	
Specific Conductance (@ 25°C in Lab)	290	umhos/cm	10		S2510B 1997	VVogel	5/25/2022	
Sulfate	32	mg/L	0.5	500	E300.0	BValencia	5/31/2022	
Temperature	24.3	°C			S2550B	TChen	5/24/2022	
Thallium	NA			2	E200.8			
Total Alkalinity as CaCO3	104	mg/L	1		S2320B	MDAndrews	5/26/2022	
Total Dissolved Solids	190	mg/L	1	1000	S2540C	VVogel	5/31/2022	
Total Hardness as CaCO3 (Calculated)	130	mg/L	1		E200.7	JAlmas	6/2/2022	
Turbidity (measured in field)	3.8	NTU	0.03		S2130B	TChen	5/24/2022	
Zinc	< 25	ug/L	25	5000	E200.7	DRuedas	5/31/2022	

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Analytical Report

Watershed - The Narrows - downstream **220422023-03** **Sample Date:** 5/24/2022 1:15 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aggressiveness Index (Calculated)	12.2	AGGR			None	DRuedas	6/7/2022	J2
Aluminum	43	ug/L	20	200	E200.7	DRuedas	5/31/2022	
Antimony	NA			6	E200.8			
Arsenic	NA			10	E200.8			
Barium	41	ug/L	10	1000	E200.7	DRuedas	5/31/2022	
Beryllium	< 1.0	ug/L	1	4	E200.7	DRuedas	5/31/2022	
Bicarbonate Alkalinity as HCO3	120	mg/L			S2320B	MDAndrews	5/26/2022	
Bicarbonate as CaCO3	97	mg/L	1		S2320B	MDAndrews	5/26/2022	
Boron	56	ug/L	25	1000	E200.7	DRuedas	5/31/2022	
Cadmium	< 1.0	ug/L	1	5	E200.7	DRuedas	5/31/2022	
Calcium	30	mg/L	1		E200.7	JAlmas	6/2/2022	
Carbonate Alkalinity as CO3	7	mg/L			S2320B	MDAndrews	5/26/2022	
Carbonate as CaCO3	11	mg/L	1		S2320B	MDAndrews	5/26/2022	
Chloride	12	mg/L	1	500	E300.0	BValencia	5/31/2022	
Chromium	< 10	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Copper	< 20	ug/L	20	1000	E200.7	DRuedas	5/31/2022	
Cyanide	NA				SCN-F			
Depth	2.0	Feet			N/A	TChen	5/24/2022	
Dissolved Oxygen	9.84	mg/L			S4500OG	TChen	5/24/2022	
Fluoride, Without Predistillation	0.19	mg/L	0.1	2	E300.0	BValencia	5/31/2022	
Hydroxide Alkalinity as OH	0	mg/L			S2320B	MDAndrews	5/26/2022	
Hydroxide as CaCO3	< 1	mg/L	1		S2320B	MDAndrews	5/26/2022	
Iron	45	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Langelier Index (Calculated)	0.43	LANG			N/A	DRuedas	6/7/2022	J2
Lead	NA			15	E200.8			
Magnesium	15	mg/L	1		E200.7	JAlmas	6/2/2022	
Manganese	32	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Mercury	NA			2	E245.1			
Methylene Blue Active Substances	< 0.1	mg/L	0.1	0.5	S5540C	VVogel	5/25/2022	
Nickel	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Nitrate and Nitrite as Nitrogen subcontracted	< 0.40	mg/L	0.4	10	E300.0	DRuedas	6/7/2022	
Nitrate as N subcontracted	< 0.40	mg/L	0.2	10	E300.0	OEC	5/25/2022	
Nitrite as N subcontracted	< 0.40	mg/L	0.4	1	E300.0	OEC	5/25/2022	
Perchlorate with 0.5 ppb Detection Limit	NA				E331			
pH (measured in field)	8.59	SU			SH-B	TChen	5/24/2022	
pH (measured in the lab)	8.44	SU			SH-B	BValencia	5/24/2022	
Potassium	1.9	mg/L	1		E200.7	JAlmas	6/2/2022	
Selenium	NA			50	E200.8			
Silver	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Sodium	10	mg/L	1		E200.7	JAlmas	6/2/2022	

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Analytical Report

Watershed - The Narrows - downstream **220422023-03** **Sample Date:** 5/24/2022 1:15 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Sodium Adsorption Ratio (Calculated)	0.38	SU			None	DRuedas	6/9/2022	
Specific Conductance (@ 25°C in Lab)	300	umhos/cm	10		S2510B 1997	VVogel	5/25/2022	
Sulfate	32	mg/L	0.5	500	E300.0	BValencia	5/31/2022	
Temperature	23.4	°C			S2550B	TChen	5/24/2022	
Thallium	NA			2	E200.8			
Total Alkalinity as CaCO3	107	mg/L	1		S2320B	MDAndrews	5/26/2022	
Total Dissolved Solids	190	mg/L	1	1000	S2540C	VVogel	5/31/2022	
Total Hardness as CaCO3 (Calculated)	140	mg/L	1		E200.7	JAlmas	6/2/2022	
Turbidity (measured in field)	3.4	NTU	0.03		S2130B	TChen	5/24/2022	
Zinc	< 25	ug/L	25	5000	E200.7	DRuedas	5/31/2022	

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Analytical Report

Watershed - The Narrows - upstream **220422023-04** **Sample Date:** 5/24/2022 1:45 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aggressiveness Index (Calculated)	12.2	AGGR			None	DRuedas	6/7/2022	J2
Aluminum	36	ug/L	20	200	E200.7	DRuedas	5/31/2022	
Antimony	NA			6	E200.8			
Arsenic	NA			10	E200.8			
Barium	42	ug/L	10	1000	E200.7	DRuedas	5/31/2022	
Beryllium	< 1.0	ug/L	1	4	E200.7	DRuedas	5/31/2022	
Bicarbonate Alkalinity as HCO3	140	mg/L			S2320B	MDAndrews	5/26/2022	
Bicarbonate as CaCO3	110	mg/L	1		S2320B	MDAndrews	5/26/2022	
Boron	62	ug/L	25	1000	E200.7	DRuedas	5/31/2022	
Cadmium	< 1.0	ug/L	1	5	E200.7	DRuedas	5/31/2022	
Calcium	32	mg/L	1		E200.7	JAlmas	6/2/2022	
Carbonate Alkalinity as CO3	4	mg/L			S2320B	MDAndrews	5/26/2022	
Carbonate as CaCO3	7	mg/L	1		S2320B	MDAndrews	5/26/2022	
Chloride	12	mg/L	1	500	E300.0	BValencia	5/31/2022	
Chromium	< 10	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Copper	< 20	ug/L	20	1000	E200.7	DRuedas	5/31/2022	
Cyanide	NA				SCN-F			
Depth	2.0	Feet			N/A	TChen	5/24/2022	
Dissolved Oxygen	8.85	mg/L			S4500OG	TChen	5/24/2022	
Fluoride, Without Predistillation	0.16	mg/L	0.1	2	E300.0	BValencia	5/31/2022	
Hydroxide Alkalinity as OH	0	mg/L			S2320B	MDAndrews	5/26/2022	
Hydroxide as CaCO3	< 1	mg/L	1		S2320B	MDAndrews	5/26/2022	
Iron	44	ug/L	10	300	E200.7	DRuedas	5/31/2022	
Langelier Index (Calculated)	0.39	LANG			N/A	DRuedas	6/7/2022	J2
Lead	NA			15	E200.8			
Magnesium	18	mg/L	1		E200.7	JAlmas	6/2/2022	
Manganese	42	ug/L	10	50	E200.7	DRuedas	5/31/2022	
Mercury	NA			2	E245.1			
Methylene Blue Active Substances	< 0.1	mg/L	0.1	0.5	S5540C	VVogel	5/25/2022	
Nickel	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Nitrate and Nitrite as Nitrogen subcontracted	< 0.40	mg/L	0.4	10	E300.0	DRuedas	6/7/2022	
Nitrate as N subcontracted	< 0.40	mg/L	0.2	10	E300.0	OEC	6/7/2022	
Nitrite as N subcontracted	< 0.40	mg/L	0.4	1	E300.0	OEC	6/7/2022	
Perchlorate with 0.5 ppb Detection Limit	NA				E331			
pH (measured in field)	8.46	SU			SH-B	TChen	5/24/2022	
pH (measured in the lab)	8.40	SU			SH-B	BValencia	5/24/2022	
Potassium	1.7	mg/L	1		E200.7	JAlmas	6/2/2022	
Selenium	NA			50	E200.8			
Silver	< 10	ug/L	10	100	E200.7	DRuedas	5/31/2022	
Sodium	11	mg/L	1		E200.7	JAlmas	6/2/2022	

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Department of Public Works CustomerName:
Water Quality Laboratory **NACIMIENTO PROJECT**

Analytical Report

Watershed - The Narrows - upstream **220422023-04** **Sample Date:** 5/24/2022 1:45 PM **Sampler:** TC/JA

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Sodium Adsorption Ratio (Calculated)	0.40	SU			None	DRuedas	6/9/2022	
Specific Conductance (@ 25°C in Lab)	340	umhos/cm	10		S2510B 1997	VVogel	5/25/2022	
Sulfate	34	mg/L	0.5	500	E300.0	BValencia	5/31/2022	
Temperature	24.9	°C			S2550B	TChen	5/24/2022	
Thallium	NA			2	E200.8			
Total Alkalinity as CaCO3	119	mg/L	1		S2320B	MDAndrews	5/26/2022	
Total Dissolved Solids	200	mg/L	1	1000	S2540C	VVogel	5/31/2022	
Total Hardness as CaCO3 (Calculated)	150	mg/L	1		E200.7	JAlmas	6/2/2022	
Turbidity (measured in field)	3.1	NTU	0.03		S2130B	TChen	5/24/2022	
Zinc	< 25	ug/L	25	5000	E200.7	DRuedas	5/31/2022	

FOOTNOTES

NA = not analyzed

ND = not detected above reporting limit

RL - Reporting Limit

MCL = Maximum Contaminant Level

Odor Type Legend (Common): A - Aromatic (camphor, cloves, lavender, lemon, cucumber); 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; Mm - Moldy; V - Vegetable

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)

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