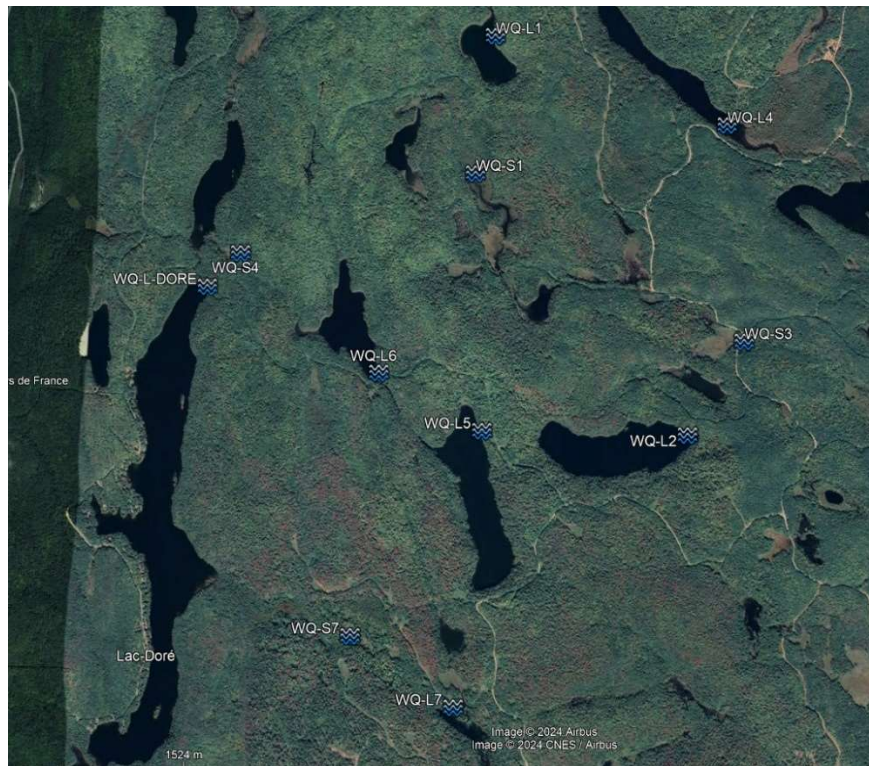


Station	Lat	Long	Description
WQ-L1	46.04785	-75.0004	Unnamed lake north of mine proposed facilities
WQ-L2	46.02685	-74.98365	Lake Petit lac Vert
WQ-L4	46.043808	-74.98154	Unnamed lake downstream of Lac Ovilla Fortier, upstream of Lac la Rouge
WQ-L5	46.026529	-74.99993	Lake Tallulah
WQ-L6	46.029381	-75.00835	Unnamed lake upstream of Lac Doré
WQ-S1	46.04038	-75.00145	Downstream of unnamed lake upstream of proposed Co-disposal facility's location
WQ-L7	46.011642	-75.00114	Unnamed lake south of mine proposed facilities
WQ-L-DORE	46.033598	-75.02254	Lac Doré
WQ-S3	46.03206	-74.97947	Downstream of proposed mine design, upstream of Lac Bois Tombé
WQ-S4	46.0355	-75.01998	Upstream of Lac Doré
WQ-S7	46.015134	-75.00962	Upstream of unnamed lake south of proposed facilities



August 2021

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Conductivity	µS/cm	0.04	0.06	0.062	0.04	0.048	0.054	NA	0.11	0.058	0.036	No criteria	No criteria	No criteria
Alkalinity Total (as CaCO3) pH 4.5	mg/L	12	25	29	14	17	25	NA	54	23	14	10	No criteria	No criteria
Calcium (Ca)	mg/L	6.1	8.6	10	5	6.9	8.2	NA	20	9.2	5.5	No criteria	No criteria	No criteria
Chloride (Cl)	mg/L	0.16	0.22	0.17	0.29	0.25	0.072	NA	0.19	0.26	0.099	230	No criteria	No criteria
Dissolved organic carbon	mg/L	4.4	3.5	6.7	3.7	4.9	7.4	NA	8.6	4.1	13	No criteria	No criteria	No criteria
Fluoride (F)	mg/L	0.033	0.037	0.043	0.035	0.04	0.048	NA	0.045	0.045	0.046	0.2	No criteria	No criteria
Magnesium (Mg)	mg/L	0.47	1.4	0.7	0.94	0.91	0.86	NA	1.7	1	0.75	No criteria	No criteria	No criteria
Nitrates (N-NO3-)	mg/L	0.12	ND	ND	ND	ND	0.064	NA	ND	0.13	0.033	45	No criteria	No criteria
Nitrites (N-NO2-)	mg/L	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.02	No criteria	No criteria
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	0.32	0.18	0.073	0.25	0.16	0.029	NA	0.38	0.31	0.29	1.2	No criteria	No criteria
Potassium (K)	mg/L	0.21	0.66	0.39	0.54	0.52	0.4	NA	0.6	0.61	0.2	No criteria	No criteria	No criteria
Sodium (Na)	mg/L	0.42	0.61	0.52	0.53	0.47	0.56	NA	0.53	0.53	0.45	No criteria	No criteria	No criteria
Total Dissolved Solids	mg/L	38	52	58	33	48	53	NA	88	41	57	No criteria	No criteria	No criteria
Total suspended solids (TSS)	mg/L	2.8	4.4	1.2	2	1	0.6	NA	6	0.4	3.3	25	No criteria	No criteria
Turbidity	NTU	1.1	0.78	0.94	0.8	0.35	0.87	NA	4.3	0.27	1.4	2	No criteria	No criteria
Total phosphorous	mg/L	0.0058	0.01	0.017	0.0058	0.0035	0.0068	NA	0.016	0.0048	0.014	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND: Not Detected	
NA: Not Available	

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station										Field Blank	Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7		Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum (Al)	mg/L	0.023	0.018	0.013	0.029	0.022	0.039	NA	0.03	0.014	0.065	ND	0.33	No criteria	No criteria
Antimony (Sb)	mg/L	0.000056	0.000037	0.000061	0.000049	0.000046	0.000043	NA	0.000039	0.000048	0.000049	ND	0.24	No criteria	No criteria
Silver (Ag)	mg/L	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0	11	No criteria
Arsenic (As)	mg/L	0.00012	0.000089	0.00013		0.000091	0.00014	NA	0.00027	0.00011	0.0002	ND	0.15	0.021	No criteria
Barium (Ba)	mg/L	0.0029	0.0059	0.0063	0.0049	0.0041	0.0096	NA	0.016	0.0043	0.0097	ND	0.079*	160	No criteria
Boron (B)	mg/L	0.0024	0.0044	0.0036	0.0034	0.0041	0.0048	NA	0.0057	0.0044	0.0046	0.0023	5	160	No criteria
Cadmium (Cd)	mg/L	ND	ND	ND	ND	ND	0.000064	NA	0.00006	ND	ND	ND	0.00008*	0.13	No criteria
Chromium (Cr)	mg/L	0.000042	0.000061	0.000085	0.000057	0.00006	0.00011	NA	0.000073	0.000043	0.00016	ND	0.011*	9.4	No criteria
Cobalt (Co)	mg/L	0.000011	0.00002	0.000022	0.000034	0.000017	0.00017	NA	0.00081	0.000041	0.00012	ND	0.1	No criteria	No criteria
Copper (Cu)	mg/L	0.00023	0.0003	0.00033	0.00024	0.00032	0.0003	NA	0.00014	0.00028	0.00038	ND	0.0024*	38	No criteria
Tin (Sn)	mg/L	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	No criteria	No criteria	No criteria
Iron (Fe)	mg/L	0.013	0.013	0.11	0.025	0.017	0.51	NA	1.5	0.025	0.69	ND	1.3	No criteria	No criteria
Manganese (Mn)	mg/L	0.0044	0.0032	0.016	0.0093	0.0029	0.027	NA	0.65	0.008	0.017	0.000038	0.47*	59	No criteria
Mercury (Hg)	mg/L	ND	ND	ND	ND	ND	ND	NA	0.000004	ND	ND	ND	0.00091	0.0000018	0.000013
Molybdenum (Mo)	mg/L	0.000037	0.000098	0.00005	0.000037	0.000037	0.00011	NA	0.00009	0.000055	0.00013	ND	3.2	10	No criteria
Nickel (Ni)	mg/L	0.00011	0.00023	0.00019	0.00015	0.00032	0.00048	NA	0.00041	0.00031	0.00053	0.000036	0.013*	4.6	No criteria
Lead (Pb)	mg/L	0.000044	0.000017	0.000019	0.000064	ND	0.000048	NA	0.000056	0.000018	0.00013	ND	0.00041*	0.19	No criteria
Selenium (Se)	mg/L	ND	ND	ND	ND	ND	0.000052	NA	ND	ND	0.000053	ND	0.005	4.2	No criteria
Thallium (Tl)	mg/L	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.01	No criteria	No criteria
Titanium (Ti)	mg/L	ND	ND	0.00047	0.0013	ND	0.00076	NA	0.0012	ND	0.001	ND	No criteria	No criteria	No criteria
Uranium (U)	mg/L	0.0000095	0.000025	0.000015	0.000013	9.2E-06	0.000019	NA	0.000014	0.0000082	0.000018	ND	0.014	No criteria	No criteria
Vanadium (V)	mg/L	0.00006	0.000088	0.000059	0.000057	0.000056	0.00015	NA	0.0002	0.000081	0.00025	ND	0.012	2.2	No criteria
Zinc (Zn)	mg/L	0.00056	ND	0.00056	0.00055	ND	0.0015	NA	0.0039	ND	0.0015	ND	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND: Not Detected	
NA: Not Available	

September 2021

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Conductivity	mS/cm	NA	0.063	0.063	0.039	0.048	0.037	NA	0.079	0.053	0.046	No criteria	No criteria	No criteria
Alkalinity Total (as CaCO3) pH 4.5	mg/L	NA	27	30	14	18	14	NA	36	22	21	10	No criteria	No criteria
Calcium (Ca)	mg/L	NA	9.3	11	5.4	7.3	5.8	NA	13	8	7.7	No criteria	No criteria	No criteria
Chloride (Cl)	mg/L	NA	0.22	0.18	0.23	0.26	0.16	NA	0.2	0.28	0.17	230	No criteria	No criteria
Dissolved organic carbon	mg/L	NA	3.5	5.8	3.3	4.4	9.6	NA	7	4	8.4	No criteria	No criteria	No criteria
Fluoride (F)	mg/L	NA	0.031	0.041	0.033	0.036	0.041	NA	0.036	0.036	0.04	0.2	No criteria	No criteria
Magnesium (Mg)	mg/L	NA	1.2	0.75	0.99	0.93	0.81	NA	1.3	0.94	0.82	No criteria	No criteria	No criteria
Nitrates (N-NO3-)	mg/L	NA	ND	ND	ND	ND	ND	NA	ND	0.029	0.042	45	No criteria	No criteria
Nitrites (N-NO2-)	mg/L	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.02	No criteria	No criteria
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	NA	ND	ND	0.028	ND	ND	NA	0.03	ND	ND	1.2	No criteria	No criteria
Potassium (K)	mg/L	NA	0.73	0.51	0.67	0.62	0.4	NA	0.59	0.61	0.42	No criteria	No criteria	No criteria
Sodium (Na)	mg/L	NA	0.6	0.64	0.63	0.55	0.61	NA	0.57	0.57	0.62	No criteria	No criteria	No criteria
Total Dissolved Solids	mg/L	NA	63	54	26	38	57	NA	71	50	49	No criteria	No criteria	No criteria
Total suspended solids (TSS)	mg/L	NA	1.1	1.1	2.2	1.1	1.9	NA	0.66	0.74	0.84	25	No criteria	No criteria
Turbidity	NTU	NA	0.43	0.61	0.89	0.34	0.89	NA	0.69	0.19	0.65	2	No criteria	No criteria
Total phosphorous	mg/L	NA	0.0066	0.0077	0.0088	0.0049	0.011	NA	0.0077	0.0049	0.0074	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND: Not Detected	
NA: Not Available	

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station										Field Blank	Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7		Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum (Al)	mg/L	NA	0.016	0.0098	0.016	0.02	0.074	NA	0.02	0.016	0.045	ND	0.33	No criteria	No criteria
Antimony (Sb)	mg/L	NA	0.000026	0.000028	0.000031	0.000031	0.000036	NA	0.000026	0.000031	0.000034	0.000057	0.24	0.64	No criteria
Silver (Ag)	mg/L	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0	11	No criteria
Arsenic (As)	mg/L	NA	0.0001	0.00015	ND	0.00011	0.00022	NA	0.00016	ND	0.00017	ND	0.15	0.021	No criteria
Barium (Ba)	mg/L	NA	0.0068	0.0079	0.0059	0.0051	0.011	NA	0.0083	0.0049	0.0091	0.000035	0.079*	160	No criteria
Boron (B)	mg/L	NA	0.0049	0.0044	0.0042	0.0049	0.0058	NA	0.0062	0.0048	0.0055	0.0029	5	160	No criteria
Cadmium (Cd)	mg/L	NA	ND	ND	ND	ND	ND	NA	ND	ND	0.000009	ND	0.00008*	0.13	No criteria
Chromium (Cr)	mg/L	NA	ND	ND	ND	ND	0.00013	NA	ND	ND	0.0001	ND	0.011*	9.4	No criteria
Cobalt (Co)	mg/L	NA	0.000014	0.000022	0.00002	0.000021	0.00018	NA	0.00011	0.000025	0.00018	ND	0.1	No criteria	No criteria
Copper (Cu)	mg/L	NA	0.00031	0.00023	0.00029	0.00042	0.00064	NA	0.00026	0.00042	0.00057	0.00011	0.0024*	38	No criteria
Tin (Sn)	mg/L	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	No criteria	No criteria	No criteria
Iron (Fe)	mg/L	NA	0.012	0.07	0.015	0.021	0.58	NA	0.33	0.019	0.5	0.0011	1.3	No criteria	No criteria
Manganese (Mn)	mg/L	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.47*	59	No criteria
Mercury (Hg)	mg/L	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.00091	0.0000018	0.000013
Molybdenum (Mo)	mg/L	NA	0.0001	0.000065	0.000049	0.000041	0.00013	NA	0.000065	0.000043	0.00011	ND	3.2	10	No criteria
Nickel (Ni)	mg/L	NA	0.00024	0.00022	0.00018	0.00038	0.00049	NA	0.00039	0.00035	0.00054	0.00013	0.013*	4.6	No criteria
Lead (Pb)	mg/L	NA	0.000011	0.000013	0.000027	0.000014	0.00016	NA	0.000042	0.000015	0.000093	ND	0.00041*	0.19	No criteria
Selenium (Se)	mg/L	NA	0.000052	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.005	4.2	No criteria
Thallium (Tl)	mg/L	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.01	No criteria	No criteria
Titanium (Ti)	mg/L	NA	ND	ND	ND	ND	0.0023	NA	ND	ND	0.00071	ND	No criteria	No criteria	No criteria
Uranium (U)	mg/L	NA	0.00003	0.000017	8.8E-06	0.00001	0.000018	NA	0.00001	0.000011	0.00002	ND	0.014	No criteria	No criteria
Vanadium (V)	mg/L	NA	0.00012	0.000075	0.000074	0.000071	0.00036	NA	0.00013	0.000073	0.00022	ND	0.012	2.2	No criteria
Zinc (Zn)	mg/L	NA	ND	ND	0.00051	0.00081	0.0024	NA	0.0023	0.00089	0.002	ND	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND: Not Detected	
NA: Not Available	

October 2021

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Conductivity	mS/cm	0.04	0.065	0.063	0.041	0.044	0.038	0.073	0.074	0.05	0.042	No criteria	No criteria	No criteria
Alkalinity Total (as CaCO3) pH 4.5	mg/L	14	27	28	14	16	13	32	33	17	15	10	No criteria	No criteria
Bromide (Br-)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00027	No criteria	No criteria
Calcium (Ca)	mg/L	6.4	9.4	11	5.3	5.8	5.6	12	13	7.6	7.1	No criteria	No criteria	No criteria
Chloride (Cl)	mg/L	0.2	0.25	0.24	0.31	0.26	0.3	0.39	0.4	0.34	0.31	230	No criteria	No criteria
Dissolved organic carbon	mg/L	3.7	3.5	5.6	3.3	3.7	10	9	7.3	5	10	No criteria	No criteria	No criteria
Fluoride (F)	mg/L	0.028	0.034	0.041	0.033	0.034	0.037	0.038	0.037	0.037	0.038	0.2	No criteria	No criteria
Magnesium (Mg)	mg/L	0.57	1.3	0.8	1	1.1	0.83	1.3	1.4	1	0.87	No criteria	No criteria	No criteria
Nitrate (N) and Nitrite(N)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02 and 3	No criteria	No criteria
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	No criteria	No criteria
Potassium (K)	mg/L	0.3	0.72	0.57	0.64	0.68	0.7	0.59	0.85	0.64	0.69	No criteria	No criteria	No criteria
Sodium (Na)	mg/L	0.49	0.59	0.62	0.62	0.61	0.63	0.58	0.58	0.57	0.63	No criteria	No criteria	No criteria
Total Dissolved Solids	mg/L	37	34	51	30	26	55	60	68	44	69	No criteria	No criteria	No criteria
Total Hardness (CaCO3)	mg/L	18	29	30	18	19	17	36	37	23	21	Acidification Sensitivity	No criteria	No criteria
Total suspended solids (TSS)	mg/L	4.8	1.4	5	1.8	1.2	4.1	0.61	0.9	0.62	5.7	25	No criteria	No criteria
Turbidity	NTU	3.5	0.43	0.71	1	1.1	1.4	0.95	0.84	0.47	1.3	2	No criteria	No criteria
Total phosphorous	mg/L	0.0056	0.0049	0.0058	0.0061	0.0078	0.015	0.0088	0.0069	0.0054	0.011	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum (Al)	mg/L	0.051	0.012	0.033	0.0094	0.036	0.086	0.026	0.017	0.028	0.067	0.33	No criteria	No criteria
Antimony (Sb)	mg/L	0.000071	0.00003	0.000039	0.000035	0.000042	0.000034	3.50E-05	0.000034	0.00011	0.000045	0.24	0.64	No criteria
Silver (Ag)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	11	No criteria
Arsenic (As)	mg/L	0.00012	ND	ND	ND	0.000084	0.00016	0.00012	0.00012	0.00009	0.00016	0.15*	0.021	No criteria
Barium (Ba)	mg/L	0.0051	0.0062	0.0072	0.0057	0.0057	0.011	0.0058	0.0068	0.0052	0.0095	0.079*	160	No criteria
Beryllium (Be)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000444*	1.2	No criteria
Boron (B)	mg/L	0.0035	0.0053	0.0046	0.0047	0.0043	0.0057	0.0052	0.0064	0.0047	0.0062	5	160	No criteria
Cadmium (Cd)	mg/L	ND	ND	ND	ND	8.6E-06	0.000021	ND	ND	0.000068	6.3E-06	0.00008*	0.13	No criteria
Chromium (Cr)	mg/L	ND	ND	0.000054	ND	ND	0.000059	ND	ND	ND	0.000098	0.011*	9.4	No criteria
Cobalt (Co)	mg/L	0.00006	0.000012	0.00006	0.000017	0.000087	0.00019	5.40E-05	0.000057	0.000032	0.00016	0.1	No criteria	No criteria
Copper (Cu)	mg/L	0.00056	0.00025	0.0004	0.00027	0.00031	0.001	0.00038	0.00023	0.00046	0.0004	0.0024*	38	No criteria
Iron (Fe)	mg/L	0.14	0.0088	0.2	0.011	0.1	0.54	0.17	0.17	0.034	0.47	1.3	No criteria	No criteria
Manganese (Mn)	mg/L	0.0091	0.0023	0.045	0.017	0.017	0.025	0.0086	0.015	0.0033	0.018	0.47*	59	No criteria
Mercury (Hg)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00091	0.0000018	0.0000013
Molybdenum (Mo)	mg/L	0.000041	0.000092	0.000052	0.000045	0.000038	0.0001	4.80E-05	0.000062	0.000038	0.00013	3.2	10	No criteria
Nickel (Ni)	mg/L	0.0003	0.00022	0.0003	0.00018	0.00027	0.00051	0.00035	0.00033	0.0004	0.00046	0.013*	4.6	No criteria
Lead (Pb)	mg/L	0.00018	0.000011	0.000051	0.000028	0.000088	0.00018	4.60E-05	0.000036	0.000035	0.00011	0.00041*	0.19	No criteria
Selenium (Se)	mg/L	ND	ND	ND	ND	ND	0.000055	ND	ND	ND	ND	0.005	4.2	No criteria
Strontium (Sr)	mg/L	0.015	0.024	0.052	0.016	0.016	0.018	0.022	0.024	0.017	0.02	21	No criteria	No criteria
Uranium (U)	mg/L	0.000017	0.000025	0.000019	5.7E-06	0.000011	0.00002	8.10E-06	9.3E-06	0.000012	0.00002	0.014	No criteria	No criteria
Vanadium (V)	mg/L	0.00015	0.000071	0.00011	ND	0.000082	0.00027	8.10E-05	0.000078	0.000061	0.00021	0.012	2.2	No criteria
Zinc (Zn)	mg/L	0.0019	0.00051	0.0015	0.0067	0.0018	0.0031	0.0015	0.0015	0.0013	0.002	0.031*	26	No criteria
Zinc (Zn)	mg/L	NA	ND	ND	0.00051	0.00081	0.0024	NA	0.0023	0.00089	0.002	ND	0.031*	26

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

December 2021

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Conductivity	mS/cm	0.069	0.064	0.05	0.046	0.045	0.031	0.063	0.076	0.052	0.042	No criteria	No criteria	No criteria
Alkalinity Total (as CaCO3) pH 4.5	mg/L	23	26	18	14	16	4.8	22	28	17	11	10	No criteria	No criteria
Bromide (Br-)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00027	No criteria	No criteria
Calcium (Ca)	mg/L	14	10	8.7	6.3	6.7	4.1	11	14	9	7	No criteria	No criteria	No criteria
Chloride (Cl)	mg/L	0.34	0.27	0.28	0.33	0.26	0.41	0.49	0.42	0.32	0.34	230	No criteria	No criteria
Dissolved organic carbon	mg/L	4.5	4.2	6.6	3.8	6.5	9.3	6.8	6.6	4.8	7.4	No criteria	No criteria	No criteria
Fluoride (F)	mg/L	0.03	0.032	0.028	0.027	0.03	0.028	0.029	0.03	0.033	0.028	0.2	No criteria	No criteria
Magnesium (Mg)	mg/L	1.1	1.4	0.73	1.2	1.2	0.73	1.2	1.5	1.1	0.87	No criteria	No criteria	No criteria
Nitrate (N) and Nitrite(N)	mg/L	0.029	0.027	0.11	0.11	0.059	0.35	0.27	0.12	0.18	0.084	0.02 and 3*	No criteria	No criteria
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	0.51	0.025	0.044	0.14	0.051	0.023	0.022	ND	0.021	0.056	1.2	No criteria	No criteria
Potassium (K)	mg/L	0.34	0.94	0.61	0.77	0.73	0.65	0.69	0.77	0.71	0.69	No criteria	No criteria	No criteria
Sodium (Na)	mg/L	1.4	1	0.94	0.98	0.94	1.2	1.3	0.89	0.76	0.89	No criteria	No criteria	No criteria
Total Dissolved Solids	mg/L	64	56	46	47	45	59	75	86	70	49	No criteria	No criteria	No criteria
Total Hardness (CaCO3)	mg/L	39	32	25	21	22	13	33	40	27	21	Acidification Sensitivity	No criteria	No criteria
Total suspended solids (TSS)	mg/L	38	1.1	1.7	1.5	0.92	25	0.32	1	1.4	2.8	25	No criteria	No criteria
Turbidity	NTU	0.88	0.37	0.63	0.83	0.76	1.1	0.6	0.44	0.45	0.6	2	No criteria	No criteria
Total phosphorous	mg/L	0.023	0.011	ND	ND	ND	0.035	ND	ND	ND	0.015	0.03	No criteria	No criteria

*3 mg/L for Nitrate and 0.02 mg/L for Nitrite

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND: Not Detected	
NA: Not Available	

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum (Al)	mg/L	0.33	0.022	0.094	0.023	0.034	0.29	0.089	0.069	0.04	0.72	0.33	No criteria	No criteria
Antimony (Sb)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	No criteria	No criteria
Silver (Ag)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	11	No criteria
Arsenic (As)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	0.021	No criteria
Barium (Ba)	mg/L	0.0096	0.0075	0.0073	0.007	0.0069	0.015	0.0075	0.0069	0.0059	0.012	0.079*	160	No criteria
Beryllium (Be)	mg/L	0.00003	ND	ND	ND	ND	0.000018	ND	ND	ND	0.000013	0.000444*	1.2	No criteria
Boron (B)	mg/L	0.0036	0.0051	0.0036	0.0044	0.0042	0.004	0.0041	0.0046	0.0045	0.0039	5	160	No criteria
Cadmium (Cd)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00008*	0.13	No criteria
Chromium (Cr)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011*	9.4	No criteria
Cobalt (Co)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	No criteria	No criteria
Copper (Cu)	mg/L	0.0013	ND	ND	0.0016	ND	0.0011	0.0016	ND	ND	ND	0.0024*	38	No criteria
Iron (Fe)	mg/L	0.42	0.03	0.12	0.042	0.041	0.3	0.19	0.17	0.07	0.37	1.3	No criteria	No criteria
Manganese (Mn)	mg/L	0.021	0.013	0.016	0.026	0.024	0.024	0.029	0.014	0.021	0.05	0.47*	59	No criteria
Mercury (Hg)	mg/L	ND	ND	ND	ND	ND	0.000034	ND	ND	ND	ND	0.00091	0.0000018	0.0000013
Molybdenum (Mo)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2	10	No criteria
Nickel (Ni)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013*	4.6	No criteria
Lead (Pb)	mg/L	0.00076	ND	ND	ND	ND	0.00056	ND	ND	ND	ND	0.00041*	0.19	No criteria
Selenium (Se)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	4.2	No criteria
Strontium (Sr)	mg/L	0.028	0.029	0.046	0.021	0.021	0.017	0.02	0.028	0.021	0.021	21	No criteria	No criteria
Uranium (U)	mg/L	0.00015	0.00021	0.000018	0.000007	0.000008	0.000032	1.00E-05	0.000015	0.000013	0.000031	0.014	No criteria	No criteria
Vanadium (V)	mg/L	0.00078	0.000086	0.0001	ND	ND	0.00042	8.90E-05	0.00011	0.000062	0.00028	0.012	2.2	No criteria
Zinc (Zn)	mg/L	0.0072	ND	ND	0.015	ND	0.014	ND	ND	ND	0.011	0.031*	26	No criteria
Zinc (Zn)	mg/L	NA	ND	ND	0.00051	0.00081	0.0024	NA	0.0023	0.00089	0.002	ND	0.031*	26

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND: Not Detected	
NA: Not Available	

May 2022

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.041	0.064	0.061	0.04	0.05	0.025	0.052	0.069	0.051	0.036	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	12	28	27	14	17	5.7	21	28	17	13	10	No criteria	No criteria
Calcium	mg/L	6.6	9.6	10	5.2	7.6	3.4	8.2	11	7.5	5.3	No criteria	No criteria	No criteria
Chloride	mg/L	0.27	0.33	0.32	0.3	0.36	0.3	0.37	0.35	0.38	0.31	230	No criteria	No criteria
Dissolved organic carbon	mg/L	3.6	3.4	5.2	3.2	4.3	6.5	7.3	5.5	4.4	6.1	No criteria	No criteria	No criteria
Fluoride	mg/L	0.028	0.034	0.034	0.03	0.034	0.029	0.039	0.035	0.034	0.026	0.2	No criteria	No criteria
Magnesium	mg/L	0.57	1.3	0.69	1	1.1	0.51	0.98	1.3	0.98	0.6	No criteria	No criteria	No criteria
Nitrate	mg/L	0.033	0.026	0.043	0.053	0.058	ND	0.022	0.029	0.063	0.043	45	No criteria	No criteria
Nitrite	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	ND	ND	0.027	0.025	ND	ND	0.02	ND	ND	ND	1.2	No criteria	No criteria
Potassium	mg/L	0.31	0.73	0.56	0.62	0.62	0.44	0.52	0.67	0.59	0.49	No criteria	No criteria	No criteria
Sodium	mg/L	0.56	0.66	0.66	0.65	0.6	0.56	0.64	0.62	0.59	0.6	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	43	38	56	26	46	29	44	62	37	31	No criteria	No criteria	No criteria
Total suspended solids	mg/L	0.29	0.88	0.29	0.49	0.29	2.2	2.6	1.4	0.31	0.84	25	No criteria	No criteria
Turbidity	NTU	0.56	0.38	0.66	0.71	0.42	0.67	0.81	0.48	0.44	0.41	2	No criteria	No criteria
Total phosphorus	mg/L	0.0077	0.053	0.0062	0.006	0.0054	0.0086	0.011	0.008	0.0064	0.0066	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.023	0.012	0.038	0.023	0.033	0.11	0.068	0.032	0.032	0.087	0.33	No criteria	No criteria
Antimony	mg/L	0.000038	0.000024	0.000024	0.000028	0.00003	0.000036	0.00004	0.000032	0.000024	0.000031	0.24	0.64	No criteria
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	0.00013	0.00009	0.000099	ND	0.000095	0.00011	0.00012	0.00011	0.000087	0.00011	0.15	0.021	No criteria
Barium	mg/L	0.0055	0.0069	0.0065	0.0062	0.0053	0.0078	0.0055	0.0073	0.0051	0.0073	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	0.000017	ND	ND	ND	ND	0.00044*	1.2	No criteria
Boron	mg/L	0.0031	0.005	0.0034	0.0039	0.0048	0.0037	0.0054	0.0055	0.0042	0.0039	5	160	No criteria
Cadmium	mg/L	ND	ND	ND	ND	ND	0.000012	ND	ND	ND	6.7E-06	0.00008*	0.13	No criteria
Chromium	mg/L	ND	ND	0.000073	ND	0.000085	0.00016	0.000098	0.000042	ND	0.00011	0.011*	9.4	No criteria
Cobalt	mg/L	0.000023	0.000015	0.000031	0.00003	0.000034	0.00011	0.0001	0.000072	0.000037	0.0001	0.1	No criteria	No criteria
Copper	mg/L	0.00059	0.00034	0.00069	0.00052	0.00099	0.0015	0.00097	0.00065	0.0007	0.0018	0.0024*	38	No criteria
Iron	mg/L	0.0095	0.0068	0.073	0.022	0.031	0.13	0.19	0.14	0.029	0.12	1.3	No criteria	No criteria
Manganese	mg/L	0.0045	0.0069	0.018	0.016	0.0073	0.01	0.012	0.018	0.0058	0.012	0.47*	59	No criteria
Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00091	0.0000018	0.0000013
Molybdenum	mg/L	0.00033	0.000084	0.00006	0.00003	0.000035	0.000084	0.000057	0.000092	0.000036	0.000085	3.2	10	No criteria
Nickel	mg/L	0.00012	0.00018	0.00066	0.00027	0.00035	0.0004	0.00039	0.00029	0.00032	0.00035	0.013*	4.6	No criteria
Lead	mg/L	ND	ND	ND	ND	0.000019	0.000051	0.000069	0.000024	0.000011	0.000027	0.00041*	0.19	No criteria
Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	4.2	No criteria
Strontium	mg/L	0.016	0.026	0.051	0.017	0.019	0.011	0.016	0.024	0.017	0.016	2.1	No criteria	No criteria
Uranium	mg/L	0.000079	0.000019	0.000019	7.1E-06	0.000012	0.000017	1.30E-05	0.000013	0.000011	0.000019	0.014	No criteria	No criteria
Vanadium	mg/L	0.000063	0.000069	0.000086	ND	0.000057	0.00019	1.90E-04	0.000014	0.000066	0.00016	0.012	2.2	No criteria
Zinc	mg/L	0.00065	0.00062	0.00061	0.00079	0.001	0.0034	0.0016	0.0011	ND	0.0023	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

June 2022

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.04	0.061	0.057	0.037	0.045	0.026	0.052	0.068	0.049	0.033	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	13	26	25	14	16	8.6	23	31	17	11	10	No criteria	No criteria
Calcium	mg/L	6.3	9.3	9.8	5	6.6	3.8	8.6	11	7.3	5.2	No criteria	No criteria	No criteria
Chloride	mg/L	0.22	0.28	0.25	0.26	0.29	0.19	0.26	0.18	0.3	0.19	230	No criteria	No criteria
Dissolved organic carbon	mg/L	3.7	3.3	5.2	3.3	4	8	8.5	6.5	4.3	7.6	No criteria	No criteria	No criteria
Fluoride	mg/L	0.031	0.036	0.038	0.033	0.034	0.033	0.044	0.038	0.035	0.036	0.2	No criteria	No criteria
Magnesium	mg/L	0.52	1.2	0.65	0.98	0.97	0.57	0.99	1.2	0.94	0.61	No criteria	No criteria	No criteria
Nitrate	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.025	45	No criteria
Nitrite	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	0.064	0.084	0.074	0.11	0.075	0.086	0.072	0.084	0.076	0.082	1.2	No criteria	No criteria
Potassium	mg/L	0.27	0.67	0.49	0.58	0.57	0.41	0.49	0.49	0.56	0.43	No criteria	No criteria	No criteria
Sodium	mg/L	0.51	0.61	0.6	0.62	0.57	0.57	0.57	0.59	0.56	0.57	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	41	48	59	51	43	52	59	60	50	49	No criteria	No criteria	No criteria
Total suspended solids	mg/L	0.61	0.52	0.51	1.6	0.72	0.81	0.71	0.92	0.9	1.3	25	No criteria	No criteria
Turbidity	NTU	0.58	0.33	0.43	1.1	0.65	0.95	0.66	0.7	0.61	0.58	2	No criteria	No criteria
Total phosphorus	mg/L	0.0068	0.0038	0.0066	0.0079	ND	0.012	0.011	0.008	0.0059	0.0076	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station										Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.026	0.014	0.025	0.022	0.026	0.11	0.045	0.039	0.033	0.084	0.33	No criteria	No criteria
Antimony	mg/L	0.000045	0.000019	0.000023	0.000022	0.00002	0.000025	0.000029	0.000025	0.000024	0.000032	0.24	0.64	No criteria
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	0.00013	ND	ND	0.000086	0.000098	0.00015	0.00015	0.00018	0.000099	0.00014	0.15	0.021	No criteria
Barium	mg/L	0.0046	0.0066	0.0063	0.0057	0.0052	0.0091	0.0061	0.0077	0.0048	0.0084	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	0.000013	ND	ND	ND	ND	0.00044*	1.2	No criteria
Boron	mg/L	0.0027	0.0044	0.0033	0.0035	0.0038	0.0042	0.0055	0.0056	0.004	0.0043	5	160	No criteria
Cadmium	mg/L	ND	ND	ND	ND	ND	0.000072	ND	ND	ND	ND	0.00008*	0.13	No criteria
Chromium	mg/L	0.000047	0.000044	0.00011	0.000051	0.000065	0.00019	0.00014	0.000083	0.000082	0.00017	0.011*	9.4	No criteria
Cobalt	mg/L	0.000025	0.000013	0.000027	0.000026	0.000042	0.00018	0.000081	0.00012	0.00006	0.00014	0.1	No criteria	No criteria
Copper	mg/L	0.00024	0.00024	0.00032	0.00024	0.00034	0.00075	0.00042	0.00043	0.00034	0.00072	0.0024*	38	No criteria
Iron	mg/L	0.0084	0.0076	0.05	0.016	0.031	0.29	0.22	0.28	0.034	0.23	1.3	No criteria	No criteria
Manganese	mg/L	0.004	0.0029	0.0092	0.0095	0.0063	0.021	0.012	0.028	0.011	0.016	0.47*	59	No criteria
Mercury	mg/L	ND	ND	ND	ND	ND	0.0000021	ND	ND	ND	0.002	0.00091	0.0000018	0.0000013
Molybdenum	mg/L	0.000032	0.000082	0.000055	0.000035	0.000032	0.0001	0.00006	0.000088	0.000035	0.000097	3.2	10	No criteria
Nickel	mg/L	0.00013	0.00021	0.0006	0.00017	0.00032	0.00049	0.00045	0.00033	0.00032	0.00049	0.013*	4.6	No criteria
Lead	mg/L	0.000028	ND	0.000015	0.000021	0.000021	0.000088	0.000057	0.000071	0.000033	0.000064	0.00041*	0.19	No criteria
Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	0.058	ND	ND	0.005	4.2	No criteria
Strontium	mg/L	0.016	0.026	0.048	0.017	0.017	0.013	0.018	0.025	0.018	0.017	2.1	No criteria	No criteria
Uranium	mg/L	0.000009	0.000025	0.00002	8.6E-06	0.00001	0.000023	1.30E-05	0.000018	0.000013	0.000025	0.014	No criteria	No criteria
Vanadium	mg/L	0.00005	0.00006	ND	ND	ND	0.00018	1.50E-04	0.00015	0.000059	0.00017	0.012	2.2	No criteria
Zinc	mg/L	0.00074	0.00052	0.00067	0.00063	0.00077	0.004	0.0016	0.0013	0.0013	0.0027	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

July 2022

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.039	0.061	0.057	0.042	0.047	0.029	0.056	0.079	0.049	0.038	0.051	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	14	27	25	14	17	11	27	38	18	15	21	10	No criteria	No criteria
Calcium	mg/L	6.1	9.1	9.7	5.1	6.9	4.7	9.9	14	7.2	6.3	7.9	No criteria	No criteria	No criteria
Chloride	mg/L	0.21	0.27	0.23	0.25	0.27	0.13	0.2	0.16	0.29	0.15	0.56	230	No criteria	No criteria
Dissolved organic carbon	mg/L	4	3.4	5.4	3.3	4.2	9	11	7.1	4.2	8.2	4.7	No criteria	No criteria	No criteria
Fluoride	mg/L	0.032	0.035	0.04	0.027	0.038	0.041	0.043	0.044	0.039	0.042	0.036	0.2	No criteria	No criteria
Magnesium	mg/L	0.46	1.1	0.59	0.89	0.87	0.61	0.98	1.3	0.84	0.62	0.61	No criteria	No criteria	No criteria
Nitrate	mg/L	ND	ND	ND	ND	ND	ND	ND	0.028	0.051	0.09	ND	45	No criteria	No criteria
Nitrite	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	ND	ND	ND	ND	ND	ND	0.024	ND	ND	ND	ND	1.2	No criteria	No criteria
Potassium	mg/L	0.25	0.66	0.44	0.58	0.55	0.26	0.34	0.52	0.55	0.31	0.48	No criteria	No criteria	No criteria
Sodium	mg/L	0.48	0.58	0.58	0.6	0.54	0.56	0.52	0.57	0.54	0.57	0.62	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	39	48	61	45	57	50	62	88	60	63	64	No criteria	No criteria	No criteria
Total suspended solids	mg/L	4	1.7	0.2	1.4	1.5	2	0.4	2.5	1.3	2.6	1.1	25	No criteria	No criteria
Turbidity	NTU	0.88	0.43	0.73	0.91	0.84	1.3	0.83	0.95	0.78	1.4	0.53	2	No criteria	No criteria
Total phosphorus	mg/L	0.0074	0.0036	0.008	0.0081	0.007	0.018	0.017	0.012	0.0051	0.011	ND	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
	ND: Not Detected
	NA: Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.025	0.013	0.02	0.018	0.026	0.087	0.057	0.054	0.032	0.082	0.019	0.33	No criteria	No criteria
Antimony	mg/L	0.000041	0.000026	0.000026	0.000031	0.000031	0.000036	0.000034	0.000027	0.000029	0.000031	0.000035	0.24	0.64	No criteria
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	0.00019	0.0001	0.00012	0.000094	0.00011	0.00021	0.00023	0.00023	0.00011	0.00019	0.00011	0.15	0.021	No criteria
Barium	mg/L	0.0048	0.0071	0.0066	0.006	0.0054	0.011	0.0062	0.01	0.0054	0.0099	0.0059	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	0.000013	0.000012	ND	ND	0.000014	ND	0.000444*	1.2	No criteria
Boron	mg/L	0.0035	0.0054	0.0043	0.0045	0.0042	0.0059	0.007	0.0074	0.0053	0.0062	0.0043	5	160	No criteria
Cadmium	mg/L	0.000073	ND	ND	ND	ND	ND	ND	ND	ND	0.000092	ND	0.00008*	0.13	No criteria
Chromium	mg/L	0.00011	0.000057	0.00008	ND	0.000056	0.00017	0.00015	0.00013	0.000049	0.00018	0.000073	0.011*	9.4	No criteria
Cobalt	mg/L	0.000022	0.000013	0.00003	ND	0.000037	0.00021	0.00015	0.00019	0.000072	0.00024	0.000014	0.1	No criteria	No criteria
Copper	mg/L	0.00036	0.00034	0.00041	0.00036	0.00064	0.00072	0.00051	0.00045	0.00044	0.00068	0.00055	0.0024*	38	No criteria
Iron	mg/L	0.013	0.0082	0.079	0.011	0.039	0.45	0.43	0.63	0.045	0.4	0.033	1.3	No criteria	No criteria
Manganese	mg/L	0.0041	0.0027	0.016	0.008	0.007	0.028	0.021	0.051	0.016	0.033	0.0039	0.47*	59	No criteria
Mercury	mg/L	ND	ND	ND	ND	ND	0.000024	ND	ND	ND	0.000021	ND	0.00091	0.000018	0.000013
Molybdenum	mg/L	0.000045	0.0001	0.000061	0.000048	0.000046	0.00015	0.000065	0.0001	0.000056	0.00014	0.000057	3.2	10	No criteria
Nickel	mg/L	0.00019	0.00022	0.00035	0.00019	0.00035	0.00056	0.00056	0.00049	0.00034	0.00056	0.00029	0.013*	4.6	No criteria
Lead	mg/L	0.000023	ND	ND	0.000014	0.000014	0.00012	0.00014	0.0001	0.000042	0.00009	0.00002	0.00041*	0.19	No criteria
Selenium	mg/L	ND	ND	ND	ND	ND	ND	0.000091	ND	ND	0.000078	ND	0.005	4.2	No criteria
Strontium	mg/L	0.017	0.027	0.057	0.019	0.019	0.018	0.023	0.035	0.019	0.023	0.032	2.1	No criteria	No criteria
Uranium	mg/L	0.000094	0.000027	0.000021	9.2E-06	0.00001	0.000026	1.90E-05	0.00002	0.000012	0.000027	0.000028	0.014	No criteria	No criteria
Vanadium	mg/L	0.000059	0.000077	0.000062	ND	ND	0.00022	2.70E-04	0.00023	0.000075	0.00022	0.000061	0.012	2.2	No criteria
Zinc	mg/L	0.0016	0.00068	ND	0.00088	0.00087	0.003	0.0021	0.0018	0.00098	0.0031	0.00064	0.031*	26	No criteria

* Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
	ND: Not Detected
	NA: Not Available

August 2022

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.041	0.063	0.061	0.039	0.048	0.033	0.064	0.1	0.054	0.043	0.051	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	12	25	25	13	16	12	29	47	20	15	20	No criteria	No criteria	No criteria
Calcium	mg/L	6.2	9.2	10	4.9	6.7	5.1	11	17	7.9	7.1	8	No criteria	No criteria	No criteria
Chloride	mg/L	0.2	0.26	0.21	0.36	0.28	0.086	0.18	0.13	0.27	0.12	0.61	230	No criteria	No criteria
Dissolved organic carbon	mg/L	4.3	3.6	5.6	3.8	4.5	10	13	7.8	4.1	0.44	5	No criteria	No criteria	No criteria
Fluoride	mg/L	0.029	0.034	0.04	0.029	0.034	0.039	0.045	0.041	0.038	0.041	0.04	0.2	No criteria	No criteria
Magnesium	mg/L	0.52	1.2	0.68	0.93	0.89	0.68	1.2	1.7	0.94	0.74	0.66	No criteria	No criteria	No criteria
Nitrate	mg/L	ND	ND	ND	ND	ND	ND	ND	0.041	0.079	0.062	ND	45	No criteria	No criteria
Nitrite	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	ND	ND	ND	ND	ND	ND	0.027	0.041	ND	ND	ND	1.2	No criteria	No criteria
Potassium	mg/L	0.26	0.67	0.43	0.57	0.53	0.25	0.33	0.52	0.55	0.31	0.48	No criteria	No criteria	No criteria
Sodium	mg/L	0.57	0.69	0.67	0.68	0.62	0.58	0.58	0.68	0.62	0.66	0.74	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	36	43	49	29	35	41	74	65	43	47	39	No criteria	No criteria	No criteria
Total suspended solids	mg/L	1.4	0.4	0.8	1.6	1.6	3.2	1.2	1.2	0.6	1	1.2	25	No criteria	No criteria
Turbidity	NTU	0.62	0.37	0.52	0.7	0.84	1.9	0.89	2	0.44	0.91	0.54	2	No criteria	No criteria
Total phosphorus	mg/L	0.0081	0.0072	0.0082	0.0086	0.0083	0.017	0.017	0.022	0.0071	0.013	0.0076	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.018	0.011	0.009	0.017	0.025	0.055	0.04	0.093	0.018	0.048	0.017	0.33	No criteria	No criteria
Antimony	mg/L	0.000046	0.000025	0.000028	0.000034	0.000033	0.000032	0.000031	0.000026	0.000029	0.000028	0.000035	0.24	0.64	No criteria
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	0.00013	0.000097	0.00011	ND	0.0001	0.00022	0.00023	0.00026	0.0001	0.0002	0.00012	0.15	0.021	No criteria
Barium	mg/L	0.0044	0.0069	0.007	0.0054	0.0048	0.011	0.0058	0.014	0.0051	0.009	0.0057	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000444*	1.2	No criteria
Boron	mg/L	0.0025	0.0041	0.0034	0.0032	0.0036	0.0046	0.0055	0.0059	0.0043	0.0046	0.0032	5	160	No criteria
Cadmium	mg/L	0.000073	ND	ND	ND	ND	ND	ND	0.000012	ND	0.000012	ND	0.00008*	0.13	No criteria
Chromium	mg/L	0.000061	ND	0.000059	ND	0.000053	0.00015	0.00013	0.00015	0.000047	0.00014	0.000069	0.011*	9.4	No criteria
Cobalt	mg/L	0.000014	0.00001	0.000021	0.000019	0.00003	0.00024	0.00011	0.00048	0.000048	0.00015	0.000017	0.1	No criteria	No criteria
Copper	mg/L	0.00024	0.00022	0.00024	0.00023	0.00028	0.00039	0.00026	0.00031	0.00029	0.00041	0.00043	0.0024*	38	No criteria
Iron	mg/L	0.0074	0.0078	0.067	0.011	0.038	0.67	0.39	1.2	0.032	0.52	0.035	1.3	No criteria	No criteria
Manganese	mg/L	0.0049	0.0031	0.014	0.0076	0.0074	0.048	0.015	0.21	0.011	0.023	0.0065	0.47*	59	No criteria
Mercury	mg/L	ND	ND	ND	ND	ND	ND	0.000021	ND	ND	ND	ND	0.00091	0.0000018	0.0000013
Molybdenum	mg/L	0.000044	0.000094	0.000057	0.000046	0.000042	0.00014	0.00005	0.000078	0.000052	0.00014	0.00006	3.2	10	No criteria
Nickel	mg/L	0.00017	0.00015	0.00016	0.00011	0.00025	0.00046	0.00039	0.00046	0.00029	0.00048	0.00024	0.013*	4.6	No criteria
Lead	mg/L	0.000023	0.00001	0.000015	0.000022	0.000027	0.00014	0.00013	0.0002	0.000036	0.000085	0.000027	0.00041*	0.19	No criteria
Selenium	mg/L	ND	ND	ND	ND	0.000056	ND	ND	ND	ND	ND	ND	0.005	4.2	No criteria
Strontium	mg/L	0.018	0.028	0.061	0.019	0.019	0.02	0.026	0.044	0.022	0.026	0.033	2.1	No criteria	No criteria
Uranium	mg/L	0.0000081	0.000029	0.000015	0.000008	0.000011	0.00002	1.90E-05	0.000031	0.00001	0.000024	0.000027	0.014	No criteria	No criteria
Vanadium	mg/L	0.000061	0.000092	0.000053	ND	0.000056	0.00021	2.90E-04	0.000034	0.000076	0.00019	0.000071	0.012	2.2	No criteria
Zinc	mg/L	0.0028	ND	ND	ND	ND	0.002	0.0011	0.0023	0.00067	0.0031	0.00058	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Septembr 2022

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station												Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife	
Specific conductivity	mS/cm	0.039	0.061	0.056	0.037	0.046	0.035	0.058	0.066	0.047	0.038	0.052	No criteria	No criteria	No criteria	
Total alkalinity (as CaCO3)	mg/L	12	25	24	12	16	13	26	29	15	15	21	10	No criteria	No criteria	
Calcium	mg/L	6.3	9.7	10	5.3	7.3	6	10	12	7.5	7	8.5	No criteria	No criteria	No criteria	
Chloride	mg/L	0.26	0.33	0.33	0.39	0.34	0.26	0.41	0.32	0.33	0.26	0.63	230	No criteria	No criteria	
Dissolved organic carbon	mg/L	4.3	3.8	6.8	3.7	4.9	12	11	9.4	5.7	12	5.4	No criteria	No criteria	No criteria	
Fluoride	mg/L	0.034	0.039	0.043	0.037	0.05	0.043	0.048	0.045	0.042	0.044	0.04	0.2	No criteria	No criteria	
Magnesium	mg/L	0.57	1.4	0.76	1.1	1.1	0.88	1.2	1.3	0.98	0.87	0.76	No criteria	No criteria	No criteria	
Nitrate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	No criteria	No criteria	
Nitrite	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02	No criteria	No criteria	
Ammonia (as N)	mg/L	0.048	0.046	0.054	0.041	0.049	0.051	0.083	0.062	0.056	0.055	0.056	1.2	No criteria	No criteria	
Potassium	mg/L	0.27	0.75	0.48	0.65	0.61	0.5	0.55	0.52	0.58	0.49	0.53	No criteria	No criteria	No criteria	
Sodium	mg/L	0.53	0.65	0.65	0.68	0.59	0.59	0.56	0.59	0.61	0.58	0.72	No criteria	No criteria	No criteria	
Total dissolved solids	mg/L	50	71	68	57	49	84	83	83	62	70	81	No criteria	No criteria	No criteria	
Total suspended solids	mg/L	1	1.1	0.7	2.1	0.6	1.8	0.72	0.82	1.3	3.3	4.9	25	No criteria	No criteria	
Turbidity	NTU	0.5	0.37	0.46	0.7	0.54	1.1	0.7	0.98	0.57	1.3	0.052	2	No criteria	No criteria	
Total phosphorus	mg/L	0.0064	0.0048	0.0079	0.0074	0.0075	0.016	0.01	0.0095	0.0069	0.018	0.0046	0.03	No criteria	No criteria	

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station												Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife	
Aluminum	mg/L	0.021	0.015	0.025	0.019	0.031	0.099	0.043	0.032	0.05	0.13	0.022	0.33	No criteria	No criteria	
Antimony	mg/L	0.000047	0.000032	0.000041	0.000074	0.000003	0.00003	0.00004	0.000031	0.000033	0.000037	0.000037	0.24	0.64	No criteria	
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria	
Arsenic	mg/L	0.00014	ND	0.00013	ND	ND	0.00022	ND	0.00018	ND	0.00022	ND	0.15	0.021	No criteria	
Barium	mg/L	0.0044	0.007	0.0077	0.0055	0.005	0.012	0.0067	0.0079	0.0053	0.012	0.0059	0.079*	160	No criteria	
Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000444*	1.2	No criteria	
Boron	mg/L	0.0025	0.0039	0.0035	0.0032	0.0039	0.0049	0.0043	0.005	0.0039	0.0048	0.0031	5	160	No criteria	
Cadmium	mg/L	ND	ND	ND	ND	ND	ND	ND	0.000031	0.000006	0.000013	ND	0.00008*	0.13	No criteria	
Chromium	mg/L	ND	ND	ND	ND	0.000082	0.00019	0.00011	0.00013	0.000062	0.00018	ND	0.011*	9.4	No criteria	
Cobalt	mg/L	0.000013	0.000013	0.000027	0.000024	0.000034	0.00023	0.000076	0.0001	0.000076	0.00036	0.000023	0.1	No criteria	No criteria	
Copper	mg/L	0.00015	0.00017	0.00022	0.00016	0.00027	0.00043	0.00018	0.00035	0.00029	0.00058	0.00044	0.0024*	38	No criteria	
Iron	mg/L	0.0067	0.013	0.086	0.015	0.03	0.62	0.28	0.31	0.058	0.68	0.043	1.3	No criteria	No criteria	
Manganese	mg/L	0.0036	0.0027	0.012	0.011	0.0048	0.037	0.0085	0.021	0.017	0.049	0.0053	0.47*	59	No criteria	
Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00091	0.0000018	0.0000013	
Molybdenum	mg/L	0.000049	0.00011	0.000055	0.000053	0.00005	0.00013	0.000049	0.000063	0.00005	0.00014	0.00007	3.2	10	No criteria	
Nickel	mg/L	0.00012	ND	ND	ND	0.00031	0.00064	0.00044	0.00037	0.00044	0.00067	0.0003	0.013*	4.6	No criteria	
Lead	mg/L	0.000021	0.000016	0.000025	0.000029	0.000027	0.00015	0.000072	0.000058	0.000064	0.00017	0.000028	0.00041*	0.19	No criteria	
Selenium	mg/L	ND	0.000052	0.00007	ND	ND	ND	ND	ND	ND	ND	ND	0.005	4.2	No criteria	
Strontium	mg/L	0.017	0.028	0.059	0.019	0.019	0.021	0.021	0.028	0.02	0.023	0.034	2.1	No criteria	No criteria	
Uranium	mg/L	0.000011	0.00003	0.00002	0.000009	0.000012	0.000024	1.00E-05	0.000015	0.000017	0.00003	ND	0.014	No criteria	No criteria	
Vanadium	mg/L	0.000074	0.00012	0.0001	0.000081	0.000087	0.00027	1.60E-04	0.00016	0.00012	0.00033	0.0001	0.012	2.2	No criteria	
Zinc	mg/L	ND	ND	ND	ND	ND	0.0027	0.0014	0.00089	0.00089	0.0036	0.00063	0.031*	26	No criteria	

* Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

December 2022

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.028	0.063	0.051	0.039	0.045	0.021	0.058	0.07	0.05	0.032	0.052	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	9.8	29	14	21	5.3	29	31	22	8	23		No criteria	No criteria	No criteria
Calcium	mg/L	2.9	8.4	7.1	5	6.6	2.7	8.1	11	7.3	5	9	No criteria	No criteria	No criteria
Chloride	mg/L	1.2	1.8	1.3	2.5	2	1.8	0.71	0.39	1.5	2	3.4	230	No criteria	No criteria
Dissolved organic carbon	mg/L	5.5	3.6	7.2	3.6	4.1	8.9	6.6	6.1	4.8	7.4	5.1	No criteria	No criteria	No criteria
Fluoride	mg/L	0.029	0.036	0.046	0.03	0.032	0.04	0.033	0.031	0.034	0.03	0.035	0.2	No criteria	No criteria
Magnesium	mg/L	0.41	1.4	0.78	1.1	0.88	0.56	1.2	1.4	1	0.7	0.83	No criteria	No criteria	No criteria
Nitrate	mg/L	0.17	0.17	0.2	0.17	0.22	0.27	0.14	0.073	0.22	0.25	0.28	45	No criteria	No criteria
Nitrite	mg/L	ND	ND	0.021	ND	ND	ND	ND	ND	ND	ND	0.025	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	ND	0.033	ND	0.074	0.054	0.021	ND	0.035	0.031	ND	ND	1.2	No criteria	No criteria
Potassium	mg/L	0.12	0.64	0.48	0.58	0.61	0.65	0.74	0.68	0.61	0.65	0.54	No criteria	No criteria	No criteria
Sodium	mg/L	0.48	0.48	0.51	0.49	0.59	0.61	0.52	0.49	0.5	0.63	0.65	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	42	60	54	32	36	40	50	76	48	64	46	No criteria	No criteria	No criteria
Total suspended solids	mg/L	5.7	1.2	0.92	0.9	0.8	1.1	0.7	1.9	0.71	0.9	1.5	25	No criteria	No criteria
Turbidity	NTU	0.69	0.4	0.58	0.57	0.56	0.64	0.65	0.77	0.51	0.58	0.44	2	No criteria	No criteria
Total phosphorus	mg/L	0.022	0.013	0.013	0.0093	0.0094	0.016	0.011	0.011	0.01	0.012	0.0088	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND: Not Detected	
NA: Not Available	

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.2	0.0081	0.079	0.007	0.023	0.18	0.036	0.045	0.021	0.12	0.02	0.33	No criteria	No criteria
Antimony	mg/L	0.000042	0.000024	0.000037	0.000025	0.000028	0.000034	0.000031	0.00003	0.000028	0.00003	0.000041	0.24	0.64	No criteria
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	0.00011	0.0001	0.00011	0.000085	ND	0.00012	0.000095	0.00011	0.000094	0.00011	ND	0.15	0.021	No criteria
Barium	mg/L	0.0065	0.0075	0.0074	0.0065	0.006	0.0088	0.0058	0.0064	0.0056	0.0078	0.0061	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000444*	1.2	No criteria
Boron	mg/L	0.0018	0.0048	0.0033	0.0037	0.0044	0.0036	0.0036	0.0041	0.004	0.0035	0.0039	5	160	No criteria
Cadmium	mg/L	0.000013	ND	6.3E-06	ND	ND	0.000021	ND	ND	ND	0.000011	ND	0.00008*	0.13	No criteria
Chromium	mg/L	0.00025	0.000047	0.00018	ND	ND	0.00023	0.000089	0.000095	0.000086	0.00018	0.000082	0.011*	9.4	No criteria
Cobalt	mg/L	0.00019	0.000025	0.000056	0.00002	0.000068	0.00023	0.00011	0.000069	0.000051	0.00014	0.00003	0.1	No criteria	No criteria
Copper	mg/L	0.00045	0.00023	0.00039	0.00023	0.00017	0.00066	0.00032	0.00033	0.00034	0.00064	0.0005	0.0024*	38	No criteria
Iron	mg/L	0.038	0.032	0.13	0.035	0.082	0.29	0.23	0.17	0.093	0.31	0.1	1.3	No criteria	No criteria
Manganese	mg/L	0.0054	0.024	0.013	0.024	0.041	0.019	0.023	0.013	0.021	0.013	0.036	0.47*	59	No criteria
Mercury	mg/L	0.000024	ND	ND	ND	ND	0.000027	ND	ND	ND	ND	ND	0.00091	0.000018	0.000013
Molybdenum	mg/L	0.00014	0.000075	0.000035	0.00003	0.000034	0.00014	0.000032	0.000058	0.000035	0.000074	0.000049	3.2	10	No criteria
Nickel	mg/L	0.00042	0.00028	0.00034	0.00022	0.00023	0.00043	0.00041	0.00033	0.00053	0.00042	0.00028	0.013*	4.6	No criteria
Lead	mg/L	0.0002	0.000021	0.00007	0.000021	0.000028	0.00015	0.000053	0.000079	0.000023	0.0001	0.000043	0.00041*	0.19	No criteria
Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	4.2	No criteria
Strontium	mg/L	0.012	0.024	0.043	0.017	0.017	0.011	0.015	0.024	0.017	0.015	0.033	2.1	No criteria	No criteria
Uranium	mg/L	0.000037	0.000022	0.000025	5.3E-06	0.000009	0.000025	9.10E-06	0.000015	0.000011	0.000021	0.000027	0.014	No criteria	No criteria
Vanadium	mg/L	0.00014	0.000058	0.000099	ND	0.000053	0.0002	6.70E-05	0.000011	ND	0.000015	0.000071	0.012	2.2	No criteria
Zinc	mg/L	0.0027	0.00064	0.0016	0.0005	0.00059	0.0046	0.0019	0.0015	0.00081	0.0041	0.00076	0.031*	26	No criteria

* Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND: Not Detected	
NA: Not Available	

June 2023

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.037	0.061	0.057	0.038	0.045	0.034	0.056	0.087	0.050	0.051	0.049	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	12	24	26	13	16	12	26	41	17	21	17	10	No criteria	No criteria
Calcium	mg/L	6.3	9.9	10	5.5	7.1	5.2	10	16	7.9	8.5	8.2	No criteria	No criteria	No criteria
Chloride	mg/L	0.20	0.29	0.22	0.28	0.29	0.28	0.076	0.17	0.28	0.22	0.53	230	No criteria	No criteria
Dissolved organic carbon	mg/L	3.8	3.3	5.3	3.5	4.5	9.0	9.4	7.0	3.9	6.0	4.7	No criteria	No criteria	No criteria
Fluoride	mg/L	0.024	0.029	0.031	0.026	0.029	0.037	0.042	0.04	0.033	0.035	0.028	0.2	No criteria	No criteria
Magnesium	mg/L	0.57	1.4	0.72	1.1	1	0.83	1.3	1.6	1.1	0.92	0.76	No criteria	No criteria	No criteria
Nitrate	mg/L	ND	ND	ND	ND	ND	ND	ND	0.047	0.097	0.080	0.030	45	No criteria	No criteria
Nitrite	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	ND	ND	ND	ND	ND	ND	0.031	0.030	ND	ND	ND	1.2	No criteria	No criteria
Potassium	mg/L	0.3	0.76	0.56	0.67	0.62	0.7	0.35	0.66	0.66	0.68	0.57	No criteria	No criteria	No criteria
Sodium	mg/L	0.54	0.65	0.66	0.69	0.59	0.66	0.63	0.69	0.6	0.73	0.71	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	35	47	57	45	43	57	63	76	48	220	62	No criteria	No criteria	No criteria
Total suspended solids	mg/L	1.4	1.0	0.83	1.6	0.82	1.8	0.90	0.84	0.22	15	0.30	25	No criteria	No criteria
Turbidity	NTU	0.73	0.33	0.42	0.81	0.54	1.3	0.89	1.2	0.19	0.62	0.41	2	No criteria	No criteria
Total phosphorus	mg/L	0.011	0.0054	0.0059	0.0085	0.0062	0.016	0.016	0.013	0.0056	0.011	0.0056	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.035	0.019	0.027	0.035	0.038	0.075	0.046	0.045	0.021	0.066	0.03	0.33	No criteria	No criteria
Antimony	mg/L	0.000039	0.000026	0.000031	0.000031	0.00003	0.000036	0.000034	0.000025	0.000026	0.000027	0.000036	0.24	0.64	No criteria
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	0.00012	0.000085	0.000097	ND	0.000092	0.00018	0.00017	0.00022	0.0001	0.00015	0.00011	0.15	0.021	No criteria
Barium	mg/L	0.0042	0.0069	0.006	0.0055	0.0046	0.01	0.0065	0.0098	0.0048	0.01	0.0054	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000444*	1.2	No criteria
Boron	mg/L	0.0028	0.0047	0.0034	0.0038	0.0041	0.0052	0.0054	0.0064	0.0044	0.0052	0.0037	5	160	No criteria
Cadmium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00001	ND	0.00008*	0.13	No criteria
Chromium	mg/L	ND	ND	0.000082	ND	0.000053	0.00016	0.000086	ND	ND	0.00011	0.000057	0.011*	9.4	No criteria
Cobalt	mg/L	0.000024	0.000014	0.000024	0.000023	0.000047	0.00026	0.00017	0.00022	0.00004	0.00031	0.000019	0.1	No criteria	No criteria
Copper	mg/L	0.00021	0.00019	0.00029	0.00022	0.00031	0.0006	0.00029	0.00027	0.00028	0.0005	0.00044	0.0024*	38	No criteria
Iron	mg/L	0.013	0.01	0.072	0.021	0.045	0.54	0.51	0.74	0.029	0.44	0.033	1.3	No criteria	No criteria
Manganese	mg/L	0.0047	0.0026	0.015	0.0061	0.0091	0.043	0.033	0.081	0.0087	0.048	0.003	0.47*	59	No criteria
Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00091	0.0000018	0.000013
Molybdenum	mg/L	0.000038	0.00009	0.000066	0.000045	0.000042	0.00018	0.00006	0.000097	0.000046	0.00016	0.000058	3.2	10	No criteria
Nickel	mg/L	0.00014	0.0002	0.00025	0.00019	0.00033	0.00048	0.0004	0.00038	0.0003	0.00044	0.00027	0.013*	4.6	No criteria
Lead	mg/L	0.000026	ND	0.000019	0.000022	0.000017	0.00014	0.00012	0.0001	0.000028	0.000083	0.000015	0.00041*	0.19	No criteria
Selenium	mg/L	ND	ND	ND	ND	ND	ND	0.000062	ND	ND	0.000062	ND	0.005	4.2	No criteria
Strontium	mg/L	0.017	0.028	0.055	0.019	0.018	0.018	0.022	0.036	0.02	0.029	0.031	2.1	No criteria	No criteria
Uranium	mg/L	0.000011	0.000029	0.000023	0.000011	0.000013	0.000024	1.70E-05	0.000025	0.000012	0.000028	0.000031	0.014	No criteria	No criteria
Vanadium	mg/L	0.000087	0.0001	0.000085	0.000086	0.00007	0.00028	2.70E-04	0.00025	0.000079	0.00023	0.000088	0.012	2.2	No criteria
Zinc	mg/L	0.00085	ND	ND	ND	ND	0.002	0.0011	0.00099	0.00057	0.0026	0.00071	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

November 2023

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.050	0.069	0.062	0.045	0.046	0.047	0.069	0.087	0.057	0.040	0.056	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	15	28	26	16	17	16	26	56	21	12	22	10	No criteria	No criteria
Calcium	mg/L	8.1	10	10	5.8	6.3	6.7	11	14	8.5	6	8.9	No criteria	No criteria	No criteria
Chloride	mg/L	0.23	0.26	0.31	0.25	0.28	0.27	0.35	0.36	0.31	0.36	0.51	230	No criteria	No criteria
Dissolved organic carbon	mg/L	4.0	3.5	5.3	3.4	3.2	6.4	4.7	5.4	4.1	6.5	4.6	No criteria	No criteria	No criteria
Fluoride	mg/L	0.026	0.027	0.028	0.025	0.025	0.027	0.027	0.028	0.028	0.026	0.027	0.2	No criteria	No criteria
Magnesium	mg/L	0.63	1.3	0.76	1.1	1.1	1	0.95	1.5	1	0.73	0.74	No criteria	No criteria	No criteria
Nitrate	mg/L	ND	ND	0.057	ND	0.033	ND	0.097	0.046	0.050	0.080	0.094	45	No criteria	No criteria
Nitrite	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	0.059	0.030	0.027	0.079	0.068	0.074	0.086	0.024	0.020	0.038	ND	1.2	No criteria	No criteria
Potassium	mg/L	0.37	0.75	0.59	0.69	0.67	0.96	0.62	0.92	0.66	0.77	0.55	No criteria	No criteria	No criteria
Sodium	mg/L	0.62	0.66	0.64	0.68	0.66	0.75	0.66	0.71	0.62	0.73	0.71	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	38	49	43	28	34	52	58	56	50	46	51	No criteria	No criteria	No criteria
Total suspended solids	mg/L	1.9	0.90	0.62	1.8	1.3	1.4	0.72	1.6	0.50	0.61	0.50	25	No criteria	No criteria
Turbidity	NTU	0.80	0.96	0.75	0.87	0.77	1.8	1.3	0.67	0.46	0.83	0.43	2	No criteria	No criteria
Total phosphorus	mg/L	0.0063	0.0071	ND	0.0057	0.0054	0.0088	0.0047	0.0054	ND	0.0057	0.004	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.011	0.014	0.021	0.013	0.018	0.051	0.03	0.025	0.021	0.099	0.016	0.33	No criteria	No criteria
Antimony	mg/L	0.000051	0.000033	0.00011	0.000035	0.000045	0.00003	0.000029	0.000028	0.00003	0.000035	0.000036	0.24	0.64	No criteria
Silver	mg/L	ND	ND	3.3E-06	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	ND	ND	0.00009	0.000093	ND	0.0001	0.0001	ND	ND	ND	0.0001	0.15	0.021	No criteria
Barium	mg/L	0.0064	0.0078	0.0068	0.0065	0.0061	0.0076	0.0051	0.0068	0.0057	0.0089	0.0062	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000444*	1.2	No criteria
Boron	mg/L	0.0033	0.0047	0.0037	0.0038	0.0036	0.0044	0.0039	0.0043	0.004	0.0035	0.0036	5	160	No criteria
Cadmium	mg/L	ND	ND	ND	ND	ND	0.000077	ND	ND	ND	0.000063	ND	0.00008*	0.13	No criteria
Chromium	mg/L	ND	0.000092	0.00013	0.000055	0.00007	0.00014	ND	0.000086	ND	0.00023	ND	0.011*	9.4	No criteria
Cobalt	mg/L	0.000021	0.000045	0.000038	0.000039	0.000042	0.00026	0.00019	0.000067	0.000027	0.00014	0.000024	0.1	No criteria	No criteria
Copper	mg/L	0.00025	0.00028	0.00046	0.00023	0.00027	0.00039	0.00026	0.00029	0.00031	0.00062	0.00048	0.0024*	38	No criteria
Iron	mg/L	0.019	0.038	0.18	0.046	0.061	0.81	0.34	0.2	0.052	0.39	0.063	1.3	No criteria	No criteria
Manganese	mg/L	0.022	0.048	0.013	0.033	0.016	0.033	0.068	0.014	0.0099	0.016	0.031	0.47*	59	No criteria
Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00091	0.0000018	0.000013
Molybdenum	mg/L	0.00003	0.000085	0.000036	0.000043	0.000036	0.000027	0.000029	0.000063	0.000038	0.000081	0.000055	3.2	10	No criteria
Nickel	mg/L	0.00017	0.00031	0.00038	0.00045	0.00055	0.00045	0.00038	0.00039	0.00013	0.00055	0.0018	0.013*	4.6	No criteria
Lead	mg/L	0.000023	0.000018	0.000037	0.000027	0.000024	0.000051	0.000044	0.000033	0.000015	0.000074	0.000023	0.00041*	0.19	No criteria
Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	4.2	No criteria
Strontium	mg/L	0.021	0.029	0.055	0.02	0.021	0.018	0.019	0.029	0.02	0.019	0.035	2.1	No criteria	No criteria
Uranium	mg/L	0.000075	0.000026	0.000019	0.000006	0.000085	0.000014	7.90E-06	0.000016	0.00001	0.00002	0.000028	0.014	No criteria	No criteria
Vanadium	mg/L	0.000072	0.000085	0.000079	0.000059	0.000059	0.0002	9.10E-05	0.00011	0.000056	0.00019	0.000076	0.012	2.2	No criteria
Zinc	mg/L	0.001	0.0043	0.0032	0.0013	0.0023	0.0039	0.0011	0.00093	0.0096	0.0089	0.0017	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

April 2024

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.038	0.059	0.045	0.038	0.058	0.035	0.043	0.068	0.047	0.028	0.048	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	12	25	21	13	22	8.9	12	28	20	8.7	29	10	No criteria	No criteria
Calcium	mg/L	6.7	9.1	7.6	4.8	8.6	4.6	8	10	6.9	4.2	7.7	No criteria	No criteria	No criteria
Chloride	mg/L	0.16	0.2	0.22	0.2	0.31	0.19	0.17	0.21	0.23	0.19	0.34	230	No criteria	No criteria
Dissolved organic carbon	mg/L	3.4	3.1	4.4	3	4.2	4.2	4.7	4	4	4.3	4.3	No criteria	No criteria	No criteria
Fluoride	mg/L	0.014	0.016	0.021	0.016	0.016	0.011	0.018	0.018	ND	0.029	0.016	0.2	No criteria	No criteria
Magnesium	mg/L	0.6	1.3	0.59	0.91	1.2	0.7	0.77	1.2	0.91	0.5	0.66	No criteria	No criteria	No criteria
Nitrate	mg/L	ND	0.025	0.054	0.053	0.12	0.067	0.031	0.036	0.059	0.079	0.089	45	No criteria	No criteria
Nitrite	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	ND	ND	ND	0.027	ND	ND	ND	ND	ND	ND	ND	1.2	No criteria	No criteria
Potassium	mg/L	0.3	0.72	0.44	0.53	0.55	0.52	0.49	0.59	0.55	0.46	0.45	No criteria	No criteria	No criteria
Sodium	mg/L	0.56	0.57	0.48	0.54	0.62	0.49	0.47	0.48	0.52	0.45	0.53	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	32	33	47	38	60	14	33	71	45	32	80	No criteria	No criteria	No criteria
Total suspended solids	mg/L	1.4	2	0.51	0.93	1	0.9	3.4	0.41	0.61	1.9	0.2	25	No criteria	No criteria
Turbidity	NTU	0.45	0.64	0.3	0.82	0.55	0.68	0.6	0.37	0.45	0.51	0.35	2	No criteria	No criteria
Total phosphorus	mg/L	0.0051	0.01	0.0046	0.0067	0.0092	0.0076	0.0059	0.0068	0.0063	0.0082	0.0041	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.023	0.052	0.034	0.016	0.078	0.067	0.084	0.025	0.035	0.096	0.034	0.33	No criteria	No criteria
Antimony	mg/L	0.000048	0.000034	0.000041	0.000026	0.000046	0.000025	0.000042	0.000045	0.000036	0.000037	0.000039	0.24	0.64	No criteria
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	0.00011	ND	0.000085	ND	0.0001	ND	0.000096	0.000082	0.000086	ND	0.000087	0.15	0.021	No criteria
Barium	mg/L	0.0053	0.0067	0.0056	0.0054	0.0076	0.0055	0.0049	0.0061	0.005	0.0062	0.0049	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000444*	1.2	No criteria
Boron	mg/L	0.0025	0.0046	0.0032	0.0031	0.003	0.0024	0.0042	0.0041	0.0038	0.0025	0.0029	5	160	No criteria
Cadmium	mg/L	ND	ND	ND	ND	ND	0.0000095	0.0000098	ND	ND	0.0000072	ND	0.00008*	0.13	No criteria
Chromium	mg/L	ND	0.0001	0.00013	0.000049	0.00018	0.00016	0.00015	0.000092	0.000091	0.00018	0.0001	0.011*	9.4	No criteria
Cobalt	mg/L	0.000028	0.000045	0.000031	0.00002	0.00016	0.00017	0.00015	0.000037	0.000035	0.00012	0.000029	0.1	No criteria	No criteria
Copper	mg/L	0.0002	0.00031	0.00026	0.00017	0.00047	0.00035	0.00041	0.00025	0.00028	0.00042	0.00037	0.0024*	38	No criteria
Iron	mg/L	0.014	0.054	0.12	0.018	0.13	0.29	0.27	0.072	0.029	0.2	0.057	1.3	No criteria	No criteria
Manganese	mg/L	0.0052	0.0046	0.0072	0.0073	0.024	0.017	0.019	0.064	0.0056	0.014	0.0047	0.47*	59	No criteria
Mercury	mg/L	ND	ND	ND	ND	ND	0.000002	ND	ND	ND	ND	ND	0.00091	0.0000018	0.0000013
Molybdenum	mg/L	0.000029	0.000086	0.000029	0.000035	0.000043	0.000018	0.000035	0.000076	0.000039	0.000064	0.000042	3.2	10	No criteria
Nickel	mg/L	0.00017	0.00028	0.00022	0.00018	0.00045	0.00036	0.00038	0.00026	0.00032	0.00031	0.00037	0.013*	4.6	No criteria
Lead	mg/L	0.000033	0.000066	0.000028	0.000023	0.000069	0.000049	0.00014	0.000032	0.000026	0.000074	0.000026	0.00041*	0.19	No criteria
Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	4.2	No criteria
Strontium	mg/L	0.017	0.022	0.039	0.016	0.021	0.012	0.015	0.021	0.017	0.013	0.029	2.1	No criteria	No criteria
Uranium	mg/L	0.000084	0.000041	0.000017	0.0000086	0.000019	0.000016	1.70E-05	0.000015	0.000011	0.000018	0.000024	0.014	No criteria	No criteria
Vanadium	mg/L	0.000063	0.00014	0.000066	<0.050	0.00013	0.00011	1.70E-04	0.000087	0.000065	0.00015	0.000065	0.012	2.2	No criteria
Zinc	mg/L	0.00079	0.00064	0.00078	0.00061	0.0019	0.0025	0.0013	0.00075	0.00065	0.0023	0.0011	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

June 2024

Conventional Parameters of Surface Water at Monitoring Station

Parameter	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Specific conductivity	mS/cm	0.038	0.061	0.050	0.038	0.041	0.023	0.057	0.065	0.046	0.028	0.049	No criteria	No criteria	No criteria
Total alkalinity (as CaCO3)	mg/L	13	27	23	14	15	7.9	25	30	17	9.9	21	10	No criteria	No criteria
Calcium	mg/L	6.4	9.6	9.1	5.3	6.1	3.8	10	12	7.1	5	8.5	No criteria	No criteria	No criteria
Chloride	mg/L	0.17	0.21	0.18	0.21	0.21	0.18	0.15	0.13	0.21	0.19	0.42	230	No criteria	No criteria
Dissolved organic carbon	mg/L	4.1	3.9	7.4	3.9	4.5	12	8.4	8.3	5.5	11	5.8	No criteria	No criteria	No criteria
Fluoride	mg/L	0.017	0.022	0.044	0.020	0.025	0.021	0.031	0.024	0.022	0.022	0.026	0.2	No criteria	No criteria
Magnesium	mg/L	0.51	1.3	0.62	1.1	1	0.5	0.86	1.2	0.92	0.52	0.69	No criteria	No criteria	No criteria
Nitrate	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.035	ND	45	No criteria	No criteria
Nitrite	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	No criteria	No criteria
Ammonia (as N)	mg/L	ND	ND	ND	ND	0.022	0.022	ND	ND	ND	ND	ND	1.2	No criteria	No criteria
Potassium	mg/L	0.26	0.73	0.44	0.63	0.59	0.64	0.49	0.55	0.58	0.56	0.52	No criteria	No criteria	No criteria
Sodium	mg/L	0.48	0.62	0.54	0.66	0.62	0.48	0.5	0.54	0.55	0.48	0.64	No criteria	No criteria	No criteria
Total dissolved solids	mg/L	36	69	51	33	40	51	57	63	70	57	46	No criteria	No criteria	No criteria
Total suspended solids	mg/L	1.3	0.20	1.7	1.3	1.6	9.1	1.0	0.70	2.1	2.0	0.42	25	No criteria	No criteria
Turbidity	NTU	0.66	0.30	0.83	0.73	0.74	1.3	1.1	0.60	0.74	0.70	0.52	2	No criteria	No criteria
Total phosphorus	mg/L	0.006	0.0047	0.0092	0.0058	0.0092	0.027	0.0081	0.01	0.0079	0.012	0.0054	0.03	No criteria	No criteria

	Exceeding Long-term Aquatic Life Protection Level
	Exceeding Contamination Prevention Level (only aquatic organisms)
	Exceeding Protection of Terrestrial Fauna
	Exceeding multiple criteria
ND:	Not Detected
NA:	Not Available

Concentration of Total Extractable Trace Metals and Criteria Exceedances

Element	Units	Station											Criteria		
		WQ-L1	WQ-L2	WQ-L4	WQ-L5	WQ-L6	WQ-L7	WQ-S1	WQ-S3	WQ-S4	WQ-S7	WQ-L-DORE	Aquatic life (longterm)	Contamination Prevention	Piscivorous Terrestrial Wildlife
Aluminum	mg/L	0.028	0.017	0.066	0.024	0.04	0.19	0.054	0.038	0.049	0.17	0.031	0.33	No criteria	No criteria
Antimony	mg/L	0.000045	0.000037	0.000047	0.00003	0.000031	0.000041	0.000046	0.000062	0.000042	0.000053	0.000035	0.24	0.64	No criteria
Silver	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000032	11	No criteria
Arsenic	mg/L	0.00013	0.000095	0.00013	0.000082	0.000095	0.00019	0.0002	0.00014	0.0001	0.00018	0.00012	0.15	0.021	No criteria
Barium	mg/L	0.0036	0.007	0.007	0.0053	0.0061	0.011	0.0078	0.0082	0.005	0.01	0.0059	0.079*	160	No criteria
Beryllium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000444*	1.2	No criteria
Boron	mg/L	0.0023	0.0043	0.0034	0.0031	0.0033	0.0051	0.0048	0.0055	0.0039	0.0054	0.0034	5	160	No criteria
Cadmium	mg/L	ND	ND	ND	ND	ND	0.000007	ND	ND	ND	0.0000089	ND	0.00008*	0.13	No criteria
Chromium	mg/L	ND	ND	0.00014	ND	0.000043	0.00025	0.000092	0.000096	0.000078	0.00024	0.000056	0.011*	9.4	No criteria
Cobalt	mg/L	0.000023	0.000021	0.000071	0.000033	0.000088	0.00054	0.00041	0.000084	0.000077	0.00023	0.000032	0.1	No criteria	No criteria
Copper	mg/L	0.00016	0.00018	0.00033	0.00018	0.0003	0.00088	0.00034	0.00033	0.00032	0.00096	0.00043	0.0024*	38	No criteria
Iron	mg/L	0.01	0.014	0.21	0.018	0.055	0.59	0.64	0.24	0.055	0.38	0.069	1.3	No criteria	No criteria
Manganese	mg/L	0.0056	0.0025	0.017	0.009	0.016	0.084	0.13	0.019	0.014	0.24	0.0058	0.47*	59	No criteria
Mercury	mg/L	ND	ND	2.4E-06	ND	ND	0.0000042	0.0000028	ND	ND	0.0000035	ND	0.00091	0.0000018	0.0000013
Molybdenum	mg/L	0.000026	0.000091	0.000051	0.000039	0.000044	0.000097	0.000065	0.000087	0.000041	0.0001	0.000054	3.2	10	No criteria
Nickel	mg/L	0.00015	0.00023	0.00029	0.00017	0.00025	0.00058	0.0006	0.00036	0.00036	0.00061	0.0003	0.013*	4.6	No criteria
Lead	mg/L	0.000029	0.000011	0.000079	0.000019	0.000046	0.00019	0.00011	0.000066	0.000061	0.00012	0.00004	0.00041*	0.19	No criteria
Selenium	mg/L	ND	0.000057	0.00006	ND	ND	0.000084	0.000077	0.000062	ND	ND	ND	0.005	4.2	No criteria
Strontium	mg/L	0.016	0.029	0.048	0.018	0.019	0.014	0.02	0.026	0.018	0.017	0.033	2.1	No criteria	No criteria
Uranium	mg/L	0.000092	0.00003	0.000024	9.7E-06	0.000013	0.000031	1.30E-05	0.000018	0.000015	0.000031	0.000029	0.014	No criteria	No criteria
Vanadium	mg/L	0.000072	0.000097	0.00017	0.000076	0.00014	0.00031	1.70E-04	0.00017	0.00013	0.0003	0.00012	0.012	2.2	No criteria
Zinc	mg/L	ND	ND	0.00089	ND	0.00092	0.0043	0.0013	0.0011	0.00072	0.0033	0.00099	0.031*	26	No criteria

*Criteria is a function of total hardness

	Exceeding Long-term Aquatic Life Protection Level
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