

7440-38-2	Arsenic (As)	0.00074	0.0028	0.00023	<0.00020	0.00036	0.00029	0.0028	0.0013
7440-28-0	Thallium (Tl)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
7440-31-5	Tin (Sn)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
7440-32-6	Titanium (Ti)	<0.0010	0.0018	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
7440-61-1	Uranium (U)	0.0065	0.0075	0.0031	0.0033	0.0042	0.0042	0.0088	0.0071
7440-62-2	Vanadium (V)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
7440-66-6	Zinc (Zn)	<0.0030	0.0043	<0.0030	0.043	0.0039	0.020	<0.0030	<0.0030
7440-41-7	Beryllium (Be)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ion Balance									
0	Ionic Balance	4.3	6.8	6.6	5.8	6.6	5.4	5.3	7.4
Sum of cations, anions									
0	Anion Sum	9.5	8.4	8.6	8.6	9.3	9.2	13	8.8
0	Cation Sum	10	9.6	9.8	9.7	11	10	15	10
Ammonia-N (Total)									
0	Ammonia as N	0.091	0.17	<0.015	<0.015	<0.015	<0.015	<0.015	0.026
Nitrate and Nitrite									
0	Nitrate (as NO3)	0.83	0.12	1.1	1.2	1.0	1.0	<0.044	0.13
0	Nitrite (NO2)	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
NO2 (N); NO2 (N) + NO3 (N) in Water									
0	Nitrite (as N)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
0	Nitrate plus Nitrite (N)	0.19	0.027	0.25	0.26	0.23	0.23	<0.010	0.029
Nitrate (as N)									
0	Nitrate (as N)	0.19	0.027	0.25	0.26	0.23	0.23	<0.010	0.029
pH @25°C									
0	pH	8.14	7.72	8.20	8.48	8.37	8.35	8.18	8.31
Orthophosphate by Konelab									
0	Ortho Phosphate (P)	0.0034	0.0083	0.0034	0.0048	0.0034	0.0033	0.0035	0.0042
Total Dissolved Solids (Filt. Residue)									
0	TDS	450	450	400	420	440	400	640	420
Total Dissolved Solids (Calculated)									
0	TDS (calculated)	490	460	460	450	490	480	690	470
Total Kjeldahl Nitrogen (Total)									
0	Calc Total Kjeldahl Nitrc	0.580	2.30	1.01	0.101	0.109	0.262	1.41	0.875
Nitrogen (Total)									
0	Nitrogen (N)	0.77	2.3	1.3	0.36	0.34	0.50	1.4	0.90
Phosphorus -P (Total, Dissolved)									
0	Phosphours (P)	0.0047	0.074	0.0033	0.0038	<0.0030	<0.0030	0.0098	0.0072
Total Phosphorus									
0	Phosphorus (P)	0.075	0.30	0.11	0.0088	0.0040	0.0055	0.082	0.069
Total Suspended Solids (NFR)									
0	TSS	100	82	10	15	2.5	7.3	28	39
Turbidity									
0	Turbidity	110	76	2.3	7.1	1.4	1.7	27	32

Wetland 06 - Fall 2021 Flow Data

Flow Data For October 21, 2021

Site	Channel Width (m)	Depth*(m)			Velocity* (m/sec)			Discharge (m3/sec)	Comments
		RMID	MID	LMID	RMID	MID	LMID		
FL 1	0.00	-	-	-	-	-	-	-	Channel was dry at the time of the survey
FL 2	1.20	0.28	0.30	0.26	0.00	0.00	0.00	-	Channel had water present but no measurable velocity in the channel. Large beaver dam impounding surface flow is located immediately downstream of FL 02.
FL 3	0.4	0.1	0.1	0.1	0.00	0.00	0.00	-	Channel had water present but no measurable velocity in the channel.
FL 4	0.00	-	-	-	-	-	-	-	Channel was dry at the time of the survey

* RMID= right mid channel, MID= mid channel, LMID= left mid channel
 (-)= null result

In-situ Water Quality Parameters - October 21, 2021

Site	Temperature	Dissolved Oxygen (mg/l)	pH	Conductivity (µS/cm)	Depth (m)	Date Sampled
WQ1	-	-	-	-	0.00	21-10-2021
WQ2	3.70	7.80	7.56	782.85	1.00	21-10-2021
WQ3	3.90	2.60	6.95	455.20	0.45	21-10-2021
WQ4a	7.60	11.09	7.87	480.40	0.10	21-10-2021
WQ4b	6.50	13.94	8.01	518.00	0.10	21-10-2021
WQ4c	3.6	12.66	7.95	446.7	0.7	21-10-2021
WQ4d	6.2	11.92	8.01	479.2	0.15	21-10-2021
WQ5a	-	-	-	-	0.00	21-10-2021
WQ5b	10.10	12.30	7.69	755.00	0.50	21-10-2021
WQ5c*	N/A	N/A	N/A	N/A	N/A	21-10-2021
WQ06	4.00	7.18	7.35	789.00	0.1	21-10-2021
WQ07	-	-	-	-	0.00	21-10-2021

(-)= null result due to site being dry

(*) = site has been encompassed by the construction area and is permanently dry