

EPL 1 (Wetland)								
Sampling Frequency		Each overflow event	Each overflow event	Each overflow event	Each overflow event	Each overflow event	Each overflow event	Each overflow event
Date Sampled	Date Obtained	pH (pH units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Chemical Oxygen Demand (mg/L)	Oil and Grease (mg/L)
EPL 90 Percentile Concentration Limit		6.5-8.5	300000	50	2	0.5		
22-Jun-16	8-Jul-16	6.88	346	77	4.7	1.31	94	<5
25-Aug-16	28-Sep-16	7.53	528	44	14.2	3.4	150	<5
6-Sep-16	28-Sep-16	7.74	522	40	0.8	0.98	122	<5
19-Sep-16	28-Sep-16	7.58	490	84	12.5	3.49	123	<5
4-Jan-17	16-Jan-17	7.82	372	98	6.5	2.02	75	13
12-Feb-20	26-Feb-20	7.7	560	150	6.7	2.3	320	<5
7-Apr-20	22-Apr-20	7.7	700	150	7	5.3	400	<5

EPL 2 (Creek Upstream)								
Sampling Frequency		Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1
Date Sampled	Date Obtained	pH (pH units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Chemical Oxygen Demand (mg/L)	Oil and Grease (mg/L)
15-Jul-15	3-Sep-15	7.15	109	52	3.3	0.57	56	12
22-Jun-16	8-Jul-16	7.09	77	14	0.9	0.21	42	<5
25-Aug-16	28-Sep-16	7.49	67	20	1.4	0.24	46	<5
6-Sep-16	28-Sep-16	7.66	103	5	1	0.11	33	<5
19-Sep-16	28-Sep-16	7.73	139	<5	0.9	0.08	43	<5
4-Jan-17	16-Jan-17	7.49	163	10	2.2	0.26	115	10
12-Feb-20	26-Feb-20	7.5	80	21	1.5	0.3	170	<5
7-Apr-20	22-Apr-20	7.6	140	45	1.2	0.1	60	<5

EPL 3 (Creek Downtream)								
Sampling Frequency		Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1
Date Sampled	Date Obtained	pH (pH units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Chemical Oxygen Demand (mg/L)	Oil and Grease (mg/L)
15-Jul-15	3-Sep-15	7.23	141	6	1.5	0.22	27	25
22-Jun-16	8-Jul-16	7.23	239	<5	1.5	0.47	85	<5
25-Aug-16	28-Sep-16	7.67	188	15	3.9	0.9	71	<5
6-Sep-16	28-Sep-16	7.94	425	11	3.5	1.52	96	-
19-Sep-16	28-Sep-16	7.79	251	<5	2.5	0.85	68	<5
4-Jan-17	16-Jan-17	7.76	397	29	6.1	1.32	92	15
12-Feb-20	26-Feb-20	7.6	350	120	6.5	2.2	350	<5
7-Apr-20	22-Apr-20	7.7	540	58	4.7	0.7	160	<5

EPL 4 (Groundwater)										
Sampling Frequency		Quarterly	Quarterly	Quarterly	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	Date Obtained	Standing Water Level (m AHD)	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Ammonia (mg/L)	Nitrate (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Reactive Phosphorus (mg/L)
24-Apr-13 (Baseline prior to EPL)	06-Sep-13	378.47	7.74	1020	774	0.07	6.94	8.8	0.25	<0.01
09-Jul-13	06-Sep-13	378.14	7.40	970	649	<0.01	6.18	8.5	0.18	<0.01
09-Oct-13	01-Nov-13	377.48	7.78	1130	608	0.04	0.26	1.1	0.08	<0.01
30-Jan-14	25-Feb-14	376.89	7.68	1170	628	0.07	0.45	0.8	0.05	<0.01
10-Apr-14	02-Jun-14	376.80	7.70	1190	654	0.03	1.37	1.8	0.02	<0.01
17-Jul-14	29-Aug-14	376.74	7.45	1230	664	0.01	0.12	0.5	0.03	<0.01
28-Oct-14	19-Nov-14	376.55	7.78	1340	734	0.01	1.17	1.5	0.01	<0.01
29-Jan-15	25-Feb-15	377.10	7.44	1390	761	0.03	0.6	1	0.03	<0.01
20-Apr-15	19-May-15	378.18	7.44	1460	742	0.03	1.15	1.6	0.02	0.03
15-Jul-15	03-Sep-15	377.51	7.45	1550	876	0.03	0.53	1	0.02	<0.01
15-Oct-15	10-Nov-15	377.30	7.99	1600	886	0.05	0.34	0.8	0.01	<0.01
25-Jan-16	15-Feb-16	377.94	7.64	1770	958	0.04	0.27	0.8	0.01	<0.01
19-Apr-16	16-May-16	377.30	7.68	1600	905	0.06	0.54	0.8	<0.01	<0.01
22-Jun-16	08-Jul-16	376.87	7.69	1750	994	0.03	0.34	0.6	<0.01	0.01
12-Oct-16	31-Oct-16	379.26	7.90	1310	866	<0.01	2.2	2.7	0.02	<0.01
01-Feb-17	17-Feb-17	378.19	7.52	1820	1060	0.05	0.56	0.9	<0.01	<0.01
25-Apr-17	08-May-17	377.58	7.56	1910	1080	0.05	0.08	0.9	0.02	<0.01
20-Jul-17	04-Aug-17	377.70	7.51	1940	1090	0.02	0.02	0.6	0.03	0.02
11-Oct-17	19-Oct-17	377.62	7.32	1950	1110	0.02	0.3	0.7	0.01	<0.01
30-Jan-18	06-Feb-18	376.94	7.41	1960	996	<0.01	0.77	1.1	<0.01	<0.01
26-Apr-18	18-May-18	376.56	7.36	2240	1240	0.07	<0.01	1.5	0.04	<0.01
18-Jul-18	25-Jul-18	376.42	7.68	2210	1140	0.06	0.05	0.6	<0.01	<0.01
31-Oct-18	08-Nov-18	376.57	7.37	2350	1200	0.01	0.28	0.7	<0.01	<0.01
16-Jan-19	24-Jan-19	376.32	6.98	2180	1300	<0.01	0.05	0.4	0.01	<0.01
23-May-19	26-Jul-19	376.26	7.62	2300	1140	<0.01	0.09	0.6	<0.01	<0.01
15-Aug-19	22-Aug-19	376.22	7.52	2200	1200	0.14	0.08	0.6	0.01	<0.01
13-Nov-19	14-Nov-19	375.78	7.42	2260						
05-Feb-20	26-Feb-20	375.42	7.57	2340	1340	0.81	0.32	1.1	<0.01	<0.01
27-May-20	11-Jun-20	377.43	7.60	2550	1610	0.03	0.03	1	<0.01	<0.01
07-Jul-20	08-Jul-20	377.41	7.20	2580						
16-Oct-20	29-Oct-20	376.87	7.00	2600	1500	0.05	0.13	1.4	0.1	<0.005
09-Feb-21	09-Feb-21	377.23	7.52	2520						
08-Apr-21	15-Apr-21	377.08	7.10	1400	870	0.17	2.5	4.7	1.5	0.88
12-May-21	12-May-21	377.82	6.83	0.202						
05-Aug-21	05-Aug-21	377.98	6.78	1660						
20-Oct-21	02-Nov-21	377.08	7.30	1900	1200	0.41	0.056	2	0.9	0.48
10-Dec-21	10-Dec-21	378.34	6.37	1250						
22-Feb-22	28-Feb-22	377.08	7.20	890	650	0.63	0.11	4.2	1.9	1.4
13-May-22	13-May-22	377.38	6.72	1300						
30-Jun-22	08-Jul-22	377.36	7.20	1900		0.35	0.04	2.5	0.8	0.27
24-Nov-22	02-Dec-22	8.33	6.8	370		0.75	0.03	3.9	1.2	0.98
02-Mar-23	07-Mar-23	10.2	7.11	470						

EPL 5 (Groundwater)										
Sampling Frequency		Quarterly	Quarterly	Quarterly	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	Date Obtained	Standing Water Level (m AHD)	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Ammonia (mg/L)	Nitrate (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Reactive Phosphorus (mg/L)
24-Apr-13 (Baseline prior to EPL)	06-Sep-13	378.78	7.65	1730	1160	0.12	2.09	3.4	0.37	0.06
09-Jul-13	06-Sep-13	378.68	7.20	1780	1040	<0.01	7.81	10	0.05	0.03
09-Oct-13	01-Nov-13	378.00	7.67	1810	969	0.03	11.2	3	0.05	0.02
30-Jan-14	25-Feb-14	377.50	7.55	1970	1070	<0.01	10.6	11	0.05	0.02
10-Apr-04	02-Jun-14	377.42	7.58	1880	1000	0.03	11.4	13.3	0.02	<0.01
17-Jul-14	29-Aug-14	377.20	7.32	1850	988	<0.01	11	13.5	0.01	0.01
28-Oct-14	19-Nov-14	377.40	7.59	1890	988	<0.01	10.8	11.7	0.01	<0.01
29-Jan-15	25-Feb-15	377.61	7.31	1880	1060	<0.01	10.3	17	0.02	<0.01
20-Apr-15	19-May-15	377.16	7.36	1880	1030	0.03	9.68	11.3	0.02	0.01
15-Jul-15	03-Sep-15	378.03	7.24	1810	9698	0.02	9.34	10.4	0.06	0.01
15-Oct-15	10-Nov-15	377.82	7.89	1780	1000	<0.01	10.1	11.1	0.02	0.02
25-Jan-16	15-Feb-16	377.52	7.68	1830	1020	0.02	8.44	9.8	0.03	<0.01
19-Apr-16	16-May-16	376.80	7.57	1690	898	<0.01	11.1	11.8	<0.01	<0.01
22-Jun-16	08-Jul-16	377.27	7.76	1820	1040	<0.01	10.5	12.6	<0.01	0.01
12-Oct-16	31-Oct-16	380.06	7.92	1450	1170	<0.01	12.2	12.8	<0.01	<0.01
01-Feb-17	17-Feb-17	379.00	7.49	1880	1060	<0.01	11.7	12.2	<0.01	<0.01
25-Apr-17	08-May-07	378.25	7.67	1880	1120	0.06	13.4	15.9	<0.01	<0.01
20-Jul-17	04-Aug-17	378.31	7.44	1940	1120	0.04	14.87	16.7	<0.01	<0.01
11-Oct-17	19-Oct-17	377.77	7.16	1890	1030	<0.01	13.4	14.9	0.12	<0.01
30-Jan-18	06-Feb-18	377.54	7.42	1890	972	<0.01	13.3	14	<0.01	<0.01
26-Apr-18	18-May-18	377.03	7.46	2040	1060	0.02	12.7	14.7	<0.01	<0.01
18-Jul-18	25-Jul-18	377.83	7.67	1980	1030	<0.01	12.4	12.5	<0.01	<0.01
31-Oct-18	08-Nov-18	377.09	7.49	2100	1050	0.08	12.6	13.6	<0.01	<0.01
16-Jan-19	24-Jan-19	376.86	7.03	1870	1110	0.10	11.3	12.3	0.02	<0.01
23-May-19	26-Jul-19	376.68	7.68	1830	966	<0.01	12.5	13.7	<0.01	<0.01
15-Aug-19	22-Aug-19	376.53	7.66	1770	960	0.77	12.5	14.3	<0.01	<0.01
13-Nov-19	14-Nov-19	376.43	7.64	1820						
05-Feb-20	26-Feb-20	375.83	7.69	1990	1060	0.04	12.5	13.2	<0.01	<0.01
27-May-20	11-Jun-20	377.91	7.77	1860	1030	0.01	12.8	16	0.01	<0.01
07-Jul-20	08-Jul-20	377.87	7.71	1820						
16-Oct-20	29-Oct-20	377.37	7.72	1700	1000	0.007	6.7	7.6	0.09	0.05
09-Feb-21	09-Feb-21	377.91	7.43	1920						
08-Apr-21	15-Apr-21	377.81	7.30	1600	930	0.014	7.7	8.4	0.2	0.13
12-May-21	12-May-21	378.62	6.78	2090						
05-Aug-21	05-Aug-21	378.37	6.91	1730						
20-Oct-21	02-Nov-21	378.17	7.60	1700	950	<0.005	0.8	5.9	0.1	0.11
10-Dec-21	10-Dec-21	379.27	6.58	1965						
22-Feb-22	28-Feb-22	378.17	7.10	1700	1000	<0.005	4.6	6.6	0.2	0.13
13-May-22	13-May-22	378.37	6.97	2020						
30-Jun-22	08-Jul-22	378.21	7.40	1800		0.023	8.3	9	0.1	0.05
24-Nov-22	02-Dec-22	11.63	6.9	2000		0.005	29	25	<0.05	0.01
02-Mar-23	07-Mar-23	13.62	7.1	750						

EPL 8 (Groundwater - new piezometer installed 27 May 2020)										
Sampling Frequency		Quarterly	Quarterly	Quarterly	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	Date Obtained	Standing Water Level (m AHD)	pH (pH units)	Electrical Conductivity ($\mu\text{S}/\text{cm}$)	Total Dissolved Solids (mg/L)	Ammonia (mg/L)	Nitrate (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Reactive Phosphorus (mg/L)
1-Jul-20	8-Jul-20		7.2	1400	810	0.011	6.9	9	0.3	0.01
9-Feb-21	9-Feb-21	6.72								
8-Apr-21	15-Apr-21	5.56	7.3	1400	870	0.1	7.5	8.1	<0.05	0.02
5-Aug-21	5-Aug-21	5.13	7.18	1245						
20-Oct-21	2-Nov-21	5.6	7.5	1600	910	<0.005	12	13	<0.05	<0.005
10-Dec-21	10-Dec-21	4.55	6.42	1490						
22-Feb-22	28-Feb-22	5.6	7.1	1500	1100	0.006	10	12	<0.05	0.01
13-May-22	13-May-22	5.5	6.93	1487						
30-Jun-22	8-Jul-22	5.6	7.3	1600		<0.005	8.2	8.9	<0.05	<0.005
24-Nov-22	02-Dec-22	3.8	6.6	1400		0.014	7.4	12	<0.05	<0.005
02-Mar-23	07-Mar-23	5.2	6.89	1510						

EPL Monitoring Point 9(6) topsoil																																
Date Sampled	Date Obtained	pH	Chloride Soluble	Electrical Conductivity	Total N (LECO)	Extractable Nitrate-N	Organic Carbon (LECO)	Phosphorus Buffer Index	Phosphorus (Colwell)	Phosphorus Sorption Capacity	Phosphorus Sorption Capacity	Sodium Adsorption Ratio	Exchangeable Potassium	Exchangeable Calcium	Exchangeable Magnesium	Exchangeable Sodium	Exchangeable Potassium	Exchangeable Calcium	Exchangeable Magnesium	Exchangeable Sodium	ECEC	Ca/Mg Ratio	K/Mg Ratio	Exchangeable Potassium %	Exchangeable Calcium %	Exchangeable Magnesium %	Exchangeable Sodium %	Aggregate Stability	Bulk Density	Soluble Calcium	Soluble Magnesium	Soluble Sodium
		pH units	mg/kg	dS/m	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	kg/ha	na	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	cmol/kg	cmol/kg	cmol/kg	%	%	%	%	%	g/cm3	mg/kg	mg/kg	mg/kg
22-Oct-21	05-Nov-21	7.04	35.5	0.34	3265	74.3	3.35	157	201	349	10500	2.2	1324	1574	505	347	3.14	7.37	4.21	0.64	15.9	3.87	0.75	19.8	49.6	26.5	4.03	15.9	3.2	50.9	32.5	99
25-Nov-22	15-Dec-22	7.21	27.7	0.1	2027	19.6	2	-	197	-	-	0.4	1600	1330	465	62.8	4.1	6.65	3.88	0.27	14.9	1.72	1.06	27.5	44.6	26	1.83	-	-	63.2	82.1	27
EPL Monitoring Point 9(6) subsoil																																
Date Sampled	Date Obtained	pH	Chloride Soluble	Electrical Conductivity	Total N (LECO)	Extractable Nitrate-N	Organic Carbon (LECO)	Phosphorus Buffer Index	Phosphorus (Colwell)	Phosphorus Sorption Capacity	Phosphorus Sorption Capacity	Sodium Adsorption Ratio	Exchangeable Potassium	Exchangeable Calcium	Exchangeable Magnesium	Exchangeable Sodium	Exchangeable Potassium	Exchangeable Calcium	Exchangeable Magnesium	Exchangeable Sodium	ECEC	Ca/Mg Ratio	K/Mg Ratio	Exchangeable Potassium %	Exchangeable Calcium %	Exchangeable Magnesium %	Exchangeable Sodium %	Aggregate Stability	Bulk Density	Soluble Calcium	Soluble Magnesium	Soluble Sodium
		pH units	mg/kg	dS/m	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	kg/ha	na	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	cmol/kg	cmol/kg	cmol/kg	%	%	%	%	%	g/cm3	mg/kg	mg/kg	mg/kg
22-Oct-21	05-Nov-21	7.91	46.2	0.1	896	11.2	0.76	146	85.4	671	9390	1.1	1278	1652	511	141	3.28	8.26	4.26	0.61	16.4	1.94	0.77	20	50.3	26	3.74	8.9	1.4	82.5	126	86.6
25-Nov-22	15-Dec-22	7.91	28.8	0.07	1111	5.62	1.1	-	138	-	-	0.7	1420	1434	434	97.9	3.64	7.17	3.62	0.43	14.9	1.98	1.01	24.5	48.3	24.3	2.87	-	-	35.8	16.9	10.4

EPL Monitoring Point 10(7) topsoil																																
Date Sampled	Date Obtained	pH	Chloride Soluble	Electrical Conductivity	Total N (LECO)	Extractable Nitrate-N	Organic Carbon (LECO)	Phosphorus Buffer Index	Phosphorus (Colwell)	Phosphorus Sorption Capacity	Phosphorus Sorption Capacity	Sodium Adsorption Ratio	Exchangeable Potassium	Exchangeable Calcium	Exchangeable Magnesium	Exchangeable Sodium	Exchangeable Potassium	Exchangeable Calcium	Exchangeable Magnesium	Exchangeable Sodium	CEC	Ca/Mg Ratio	K/Mg Ratio	Exchangeable Potassium %	Exchangeable Calcium %	Exchangeable Magnesium %	Exchangeable Sodium %	Aggregate Stability	Bulk Density	Soluble Calcium	Soluble Magnesium	Soluble Sodium
		pH units	mg/kg	dS/m	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	kg/ha	na	mg/kg	mg/kg	mg/kg	mg/kg	cmol/kg	cmol/kg	cmol/kg	cmol/kg	cmol/kg	cmol/kg	cmol/kg	%	%	%	%	%	g/cm3	mg/kg	mg/kg	mg/kg
22-Oct-21	05-Nov-21	7.35	71.4	0.14	2662	3.18	2.54	165	127	340	10400	1.2	568	2565	443	326	1.46	12	3.65	0.55	18.5	3.49	0.4	7.87	69.1	19.9	2.96	12.9	1.8	98.9	129	96.1
25-Nov-22	15-Dec-22	6.63	21.8	0.06	2801	23.7	3.05	-	360	-	-	0.4	1050	2297	419	27.4	2.69	11.5	3.49	0.12	17.8	3.29	0.77	15.1	64.6	19.6	0.67	-	-	44.2	24.5	14.6
EPL Monitoring Point 10(7) subsoil																																
Date Sampled	Date Obtained	pH	Chloride Soluble	Electrical Conductivity	Total N (LECO)	Extractable Nitrate-N	Organic Carbon (LECO)	Phosphorus Buffer Index	Phosphorus (Colwell)	Phosphorus Sorption Capacity	Phosphorus Sorption Capacity	Sodium Adsorption Ratio	Exchangeable Potassium	Exchangeable Calcium	Exchangeable Magnesium	Exchangeable Sodium	Exchangeable Potassium	Exchangeable Calcium	Exchangeable Magnesium	Exchangeable Sodium	CEC	Ca/Mg Ratio	K/Mg Ratio	Exchangeable Potassium %	Exchangeable Calcium %	Exchangeable Magnesium %	Exchangeable Sodium %	Aggregate Stability	Bulk Density	Soluble Calcium	Soluble Magnesium	Soluble Sodium
		pH units	mg/kg	dS/m	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	kg/ha	na	mg/kg	mg/kg	mg/kg	mg/kg	cmol/kg	cmol/kg	cmol/kg	cmol/kg	cmol/kg	cmol/kg	cmol/kg	%	%	%	%	%	g/cm3	mg/kg	mg/kg	mg/kg
22-Oct-21	05-Nov-21	7.56	66.8	0.16	1751	3.27	1.72	168	96.8	734	10300	1.1	344	2990	548	127	0.88	15	4.57	0.55	21	3.27	0.19	4.21	71.4	21.8	2.64	6.2	1.4	111	162	99.7
25-Nov-22	15-Dec-22	7.22	15.9	0.03	1150	2.86	1.35	-	65.6	-	-	0.3	520	1761	325	38	1.33	8.81	2.71	0.17	13	3.25	0.49	10.2	67.7	20.8	1.27	-	-	35.8	16.9	10.4

EPL 11 (Effluent) (new sampling point added 11 June 2021)									
Date Sampled	Date Obtained	pH (pH units)	Electrical Conductivity ($\mu\text{S}/\text{cm}$)	Ammonia (mg/L)	Oxidised Nitrogen (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Reactive Phosphorus (mg/L)	Total Coliforms mpn/100mL
20-Oct-21	2-Nov-21	8.3	3000	140	<0.005	250	40	29	>18000
30-Jun-22	8-Jul-22	8.1	2900	100	<0.005	160	38	17	>160000
24-Nov-22	02-Dec-22		2400	84	<0.005	160	39	21	160000