Dubbo Regional Council
Wellington Waste Disposal Depot
Nanima Rd Wellington NSW 2820
EPL 6702
Waste Disposal (application to land)

EPL Point 1 (Groundwater BH1)

Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Alkalinity ($mgCaCO_3/L$)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Manganese (mg/L)	Iron (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrate as N (mgN/L)	Total Organic Carbon (mg/L)	Total Phenolics (mg/L)	Standing Water Level (mAHD)	Total Dissolved Solids (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)	Mercury (mg/L)	Hexavalent Chromium (mg/L)	Total Phosphorus (mg/L)	BOD (mg/L)	PCBs (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	Total Petroleum Hydrocarbons (mg/L)
Sampling Frequency (during discharge)			Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
27-Jun-12			7.63	1600	616	35	181	122	90	75	<1	0.172	0.87	0.5	0.02	1.71	2	<0.05	191.59	918	0.38	< 0.001	0.15	< 0.0001	0.002	0.004	0.004	0.172	0.042	0.87	0.08	<2	< 1	< 0.0135	< 0.0155	< 0.0155	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
25-Sep-12			7.64	1810	631	40	226	138	99	82	<1	0.018	0.09	0.5	<0.01	1.82	2	<0.05	191.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-12			7.51	1940	680	47	255	158	115	87	<1	0.02	<0.05	0.4	0.04	1.65	3	<0.05	191.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-13	4-Jun-13		7.61	1370	523	30	115	85	75	69	<1	0.027	0.11	0.6	0.03	1.6	2	<0.05	192.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-13	26-Aug-13		7.50	1840	605	42	206	150	107	88	<1	0.015	<0.05	0.4	0.01	1.51	7	<0.05	191.00	1050	0.03	< 0.001	0.165	0.0001	< 0.001	0.006	0.001	0.038	0.0212	<0.01	0.03	<2	< 1	< 0.0135	< 0.0155	< 0.0165	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
4-Sep-13	31-Oct-13		7.55	2010	684	47	268	164	122	99	<1	0.067	0.08	0.4	0.03	1.1	6	<0.05	190.90	-	-	-	-	-	-	-	-	-	0.0258	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-13	23-Jan-14		7.45	1790	610	44	195	150	100	76	<1	0.062	0.13	0.5	<0.01	1.31	4	<0.05	191.36	-	-	-	-	-	-	-	-	-	0.0093	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-14	5-May-14		7.84	1020	385	32	76	76	53	54	<1	0.002	<0.05	0.5	0.01	0.61	4	<0.05	191.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Jun-14	24-Jul-14		7.60	1560	559	42	154	125	88	76	<1	0.072	0.35	0.5	0.02	1.24	3	<0.05	191.00	854	0.17	< 0.001	0.129	< 0.0001	< 0.001	0.004	0.002	0.019	0.0187	<0.01	0.06	<2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
10-Sep-14	13-Oct-14		7.70	1730	552	45	193	149	100	87	<1	0.022	<0.05	0.5	0.02	0.5	4	<0.05	190.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-14	4-Feb-15		7.88	1120	463	23	40	52	32	142	1	0.117	0.34	0.6	0.06	0.09	<1	<0.05	191.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Mar-15	26-Mar-15		7.45	1430	566	50	143	123	89	74	<1	0.054	0.29	0.5	0.02	0.95	8	<0.05	190.63	-	-	-	-	-	-	-	-	-	0.0112	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	7-Jul-15		7.37	1760	733	48	189	154	95	77	< 1	0.018	< 0.05	0.5	< 0.01	1.3	3	< 0.05	190.19	968	< 0.010	< 0.001	0.135	< 0.0001	< 0.001	0.001	< 0.001	0.015	0.0205	< 0.01	0.07	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
8-Sep-15	8-Oct-15		7.61	983	450	20	29	60	33	134	1	0.106	0.18	0.5	0.14	0.27	< 1	< 0.05	190.23	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
2-Dec-15	2-Dec-15		7.57	1880	623	62	238	151	106	82	< 1	< 1	< 0.005	0.5	0.03	1.41	5	< 0.05	190.08	-	-	-	-	-	-	-	-	-	0.0097	-	-	-	-	-	-	-	-	-	-	-	-
9-Mar-16	9-Mar-16		7.81	1050	438	23	43	62	34	144	< 1	0.115	0.45	0.5	0.02	< 0.01	1	< 0.05	191.81	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
1-Jun-16	1-Jun-16		7.37	1570	575	74	166	131	89	73	< 1	0.055	0.73	0.4	< 0.01	1.15	4	< 0.05	190.65	1060	0.28	< 0.001	0.125	< 0.0001	< 0.001	0.005	0.004	0.07	0.012	< 0.01	0.07	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
12-Sep-16	12-Sep-16		7.44	1220	449	34	146	112	74	64	< 1	0.054	0.33	0.4	0.02	1.38	3	< 0.05	191.68	-	-	-	-	-	-	-	-	-	0.0148	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-16	6-Dec-16		7.95	1880	1020	30	55	76	83	269	2	0.259	0.11	1	0.08	0.01	3	< 0.05	193.68	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
15-Mar-17	15-Mar-17		7.39	1260	596	19	77	104	72	69	< 1	0.003	< 0.005	0.5	0.02	3.27	2	< 0.05	193.23	-	-	-	-	-	-	-	-	-	0.0002	-	-	-	-	-	-	-	-	-	-	-	-
15-Jun-17	15-Jun-17		7.65	1340	589	20	75	106	74	71	< 1	0.002	< 0.005	0.5	< 0.01	4.43	2	< 0.05	191.89	699	< 0.010	< 0.001	0.096	< 0.0001	< 0.001	0.002	< 0.001	0.018	0.0004	< 0.01	0.02	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
11-Sep-17	11-Sep-17		7.3	-	690	50	210	160	110	90	0.7	0.33	0.005	0.37	0.27	0.61	12	< 0.01	191.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	12-Dec-17		7.1	-	980	23	50	34	35	370	1	0.13	0.04	1.1	0.07	0.013	8.4	< 0.01	190.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Mar-18	15-Mar-18		7	-	750	23	50	40	28	280	1.1	0.088	0.13	1	0.02	< 0.005	2.5	< 0.01	190.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jun-18	16-Jul-18		6.8	1500	630	35	140	130	90	78	0.6	0.006	< 0.005	0.4	< 0.01	2.2	4.3	< 0.01	190.55	1000	< 0.005	< 0.001	0.13	< 0.0001	< 0.001	0.002	< 0.001	0.024	0.0083	< 0.004	0.05	< 5	< 5	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.002	< 0.05
17-Sep-18	25-Sep-18		7.4	-	680	21	45	39	27	250	1.1	0.11	0.005	1.1	< 0.01	< 0.005	2.1	< 0.01	190.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	18-Dec-18		7.2	-	560	20	39	39	31	180	0.9	0.12	< 0.005	0.87	0.02	< 0.005	1.2	< 0.05	190.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-19	26-Apr-19		7.4	-	550	20	44	44	32	160	1.1	0.015	< 0.005	0.58	0.04	0.011	1.5	< 0.05	190.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-19	11-Jun-19		7.1	1100	550	22	43	45	31	150	0.9	0.3	0.28	0.76	0.07	<0.005	1.9	<0.01	189.96	670	< 0.005	0.0014	0.2	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	<0.004	0.22	<5	<5	< 0.003	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.003	< 0.05
9-Oct-19	9-Oct-19		7.2	-	730	74	160	100	110	110	2.2	0.21	0.012	0.34	0.12	0.085	6.4	< 0.01	189.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-19	20-Mar-20		7.2	-	340	71	140	100	38	78	5.1	0.86	< 0.005	< 0.1	0.05	0.23	6.8	0.01	189.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-20	5-May-20		7.1	-	500	21	38	53	31	160	1.4	0.011	< 0.005	0.56	0.01	0.039	1.1	< 0.01	189.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Sep-20	20-Nov-20		7	1400	590	41	150	120	86	75	1	0.088	< 0.005	0.41	0.07	1.8	7	< 0.01	189.85	1000	< 0.005	< 0.001	0.12	0.0001	< 0.001	0.007	< 0.001	0.2	0.0025	< 0.004	0.15	< 5	< 5	< 0.003	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.003	< 0.05
13-Oct-20	20-Nov-20		7.2	-	710	44	170	150	100	88	1.4	0.017	< 0.005	0.4	0.08	2.5	5.1	< 0.01	189.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-20	22-Jan-21		6.6	-	700	46	190	160	110	94	0.9	0.11	< 0.005	0.41	< 0.01	1.9	3.2	< 0.01	190.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Mar-21	29-Jun-21		6.8	1300	710	40	130	140	97	86	0.7	0.043	0.005	0.42	< 0.01	2.2	2.7	0.01	190.011	940	< 0.005	< 0.001	0.14	< 0.0001	< 0.001	< 0.001	< 0.001	0.011	0.0005	< 0.004	0.04	-	< 5	< 0.003	< 0.004	< 0.001	-	-	-	-	-
27-May-21	29-Jun-21		6.8	-	660	40	120	150	100	91	1.1	0.049	< 0.005	0.42	0.01	2.2	4.4	< 0.01	189.401	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.5	< 0.5	< 0.5	< 1.5	< 200
2-Sep-21	3-Nov-21		6.7	-	670	52	190	160	110	96	0.7	0.042	< 0.005	0.4	< 0.01	2.8	4.1	< 0.01	190.311	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.5	< 0.5	< 0.5	< 1.5	< 200
30-Nov-21	11-Dec-21		6.8	-	540	48	170	160	110	95	0.8	0.055	< 0.005	< 0.1	0.03	1.4	3.7	< 0.05	191.711	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.5	< 0.5	< 0.5	< 1.5	< 200
8-Mar-22	17-Mar-22		6.8	-	570	27	78	110	77	82	1.3	0.004	< 0.005	0.43	0.07	2.9	3.6	< 0.05	201.131	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	< 0.5	< 0.5	< 0.5	< 1.5	< 200

EPL Point 2 (Groundwater BH2)

Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Alkalinity ($mgCaCO_3/L$)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Manganese (mg/L)	Iron (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrate as N (mgN/L)	Total Organic Carbon (mg/L)	Total Phenolics (mg/L)	Standing Water Level (mAHD)	Total Dissolved Solids (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)	Mercury (mg/L)	Hexavalent Chromium (mg/L)	Total Phosphorus (mg/L)	BOD (mg/L)	PCBs (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	Total Petroleum Hydrocarbons (mg/L)
Sampling Frequency (during discharge)			Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
27-Jun-12			7.55	3220	362	195	655	234	93	268	38	2.11	0.16	0.2	4.55	68.1	41	<0.05	185.84	1980	0.1	0.001	0.387	< 0.0001	0.002	0.051	0.002	0.018	< 0.0001	<0.010	0.08	<2	< 1	< 0.0135	< 0.0155	< 0.0155	< 0.001	< 0.002	< 0.002	< 0.002	< 0.67
25-Sep-12			7.61	2760	442	178	548	212	83	219	28	2.05	<0.05	0.2	1.7	17	32	<0.05	185.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-12			7.6	2550	471	178	497	200	82	209	24	2.04	0.09	0.2	1.28	5.39	24	<0.05	185.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-13	4-Jun-13		7.58	2230	514	138	348	151	71	178	22	2.56	0.12	0.2	1.04	0.04	27	<0.05	185.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-13	26-Aug-13		7.56	2040	413	139	295	166	65	161	20	1.86	0.36	0.1	0.72	2.91	28	<0.05	185.56	1190	0.12	< 0.001	0.234	< 0.0001	0.001	0.034	0.007	0.017	< 0.0001	<0.01	0.06	<2	< 1	< 0.0135	< 0.0155	< 0.0165	< 0.001	< 0.002	< 0.002	< 0.002	< 0.53
4-Sep-13	31-Oct-13		7.72	1680	339	176	210	118	45	193	14	0.528	<0.05	0.1	0.05	16.9	20	<0.05	185.69	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-13	23-Jan-14		7.55	1890	427	194	242	157	55	152	13	0.993	0.11	0.2	0.13	2.9	20	<0.05	185.58	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-14	5-May-14		7.77	1930	348	245	207	171	54	173	19	1.45	<0.05	0.2	0.42	35.2	19	<0.05	185.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Jun-14	24-Jul-14		7.59	1690	395	239	135	140	49	145	15	1.33	<0.05	0.2	0.39	19.1	16	<0.05	185.57	994	< 0.010	< 0.001	0.155	< 0.0001	< 0.001	0.034	< 0.001	0.005	< 0.0001	<0.01	0.03	3	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
10-Sep-14	13-Oct-14		7.69	1710	449	230	123	152	50	156	15	1.28	<0.05	0.1	0.29	15.2	14	<0.05	185.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-14	4-Feb-15		7.80	1780	424	176	192	162	61	139	14	1.4	<0.05	0.2	0.51	5.81	20	<0.05	185.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Mar-15	26-Mar-15		7.56	1750	501	182	209	169	59	152	11	1.02	<0.05	0.2	0.06	1.02	9	<0.05	185.30	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	7-Jul-15		7.33	1680	543	169	156	165	51	125	14	1.16	< 0.05	0.2	0.27	8.34	17	< 0.05	185.34	1020	< 0.010	< 0.001	0.141	< 0.0001	< 0.001	0.027	< 0.001	< 0.005	< 0.0001	< 0.01	0.03	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
8-Sep-15	8-Oct-15		7.38	1660	432	168	111	157	58	139	11	1.49	< 0.05	0.2	0.35	23.4	11	< 0.05	185.37	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
2-Dec-15	2-Dec-15		7.6	1620	460	185	133	149	48	134	13	1.1	< 0.005	0.2	0.26	14.4	14	< 0.05	185.23	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
9-Mar-16	9-Mar-16		7.53	1670	416	157	182	155	56	125	10	1.44	0.06	0.2	0.33	5.15	17	< 0.05	185.06	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
1-Jun-16	1-Jun-16		7.29	1730	465	152	230	160	56	119	9	1.59	< 0.005	0.2	0.35	1.08	15	< 0.05	185.11	936	< 0.010	< 0.001	0.121	< 0.0001	< 0.001	0.041	< 0.001	< 0.005	< 0.0001	< 0.01	0.03	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
12-Sep-16	12-Sep-16		7.72	1490	819	29	39	74	58	179	1	0.186	0.33	1.1	0.03	0.09	2	< 0.05	185.35	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-16	6-Dec-16		7.23	1400	451	34	180	118	65	84	6	0.763	1.01	0.2	0.55	0.07	10	< 0.05	186.47	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
15-Mar-17	15-Mar-17		7.22	1520	491	124	174	136	60	97	6	0.91	< 0.005	0.2	0.2	0.3	9	< 0.05	185.97	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
15-Jun-17	15-Jun-17		7.57	1760	423	154	202	150	62	109	6	1.3	< 0.005	0.2	0.24	15.6	9	< 0.05	185.79	1010	< 0.010	< 0.001	0.102	< 0.0001	0.001	0.017	< 0.001	< 0.005	< 0.0001	< 0.01	0.01	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
11-Sep-17	11-Sep-17		7.1	-	440	140	180	150	60	120	7.7	1.2	< 0.005	0.17	0.18	7.6	16	< 0.01	185.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	12-Dec-17		6.5	-	460	130	190	150	60	110	7.3	1.2	< 0.005	< 0.1	0.22	1.4	13	0.01	185.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Mar-18	15-Mar-18		6.6	-	470	120	210	150	54	110	7.4	1.3	< 0.005	0.15	0.22	0.58	11	< 0.01	185.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jun-18	16-Jul-18		6.7	1600	460	120	210	150	59	110	7.6	1.3	0.008	0.16	0.22	0.12	10	< 0.01	185.45	1200	< 0.005	< 0.001	0.11	< 0.0001	< 0.001	0.014	< 0.001	< 0.005	< 0.0001	< 0.004	< 0.02	< 5	< 5	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.002	< 0.05
17-Sep-18	25-Sep-18		7.1	-	480	110	220	150	56	120	6	1.6	0.008	< 0.1	0.11	< 0.005	9.9	< 0.01	185.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	18-Dec-18		6.8	-	480	180	250	170	66	130	8.5	1.3	< 0.005	0.19	0.14	9.5	13	< 0.05	185.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-19	26-Apr-19		7.2		440	180	210	170	62	130	7.5	0.48	< 0.005	< 0.1	0.03	7.4	14	< 0.05	185.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-19	11-Jun-19		6.7	1600	460	120	220	150	53	110	7.4	1.2	<0.005	0.14	0.27	0.43	11	<0.01	185.26	1100	< 0.005	< 0.001	0.12	< 0.0001	< 0.001	0.018	< 0.001	< 0.005	< 0.0001	<0.004	<0.02	<5	<5	< 0.003	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.003	< 0.05
9-Oct-19	18-Oct-19		7.2	-	520	120	230	160	61	120	8.6	1.4	0.006	< 0.1	0.36	0.059	11	< 0.01	185.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-19	20-Mar-20		7.2	-	510	100	220	150	56	120	7.1	1.3	0.012	0.15	0.08	0.032	10	0.01	185.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-20	5-May-20		6.8	-	480	120	240	170	63	130	8.3	1.4	0.013	0.15	0.25	0.35	10	< 0.01	184.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Sep-20	20-Nov-20		6.8	1600	480	110	220	150	58	110	5.7	1.4	0.007	0.17	0.06	0.12	10	< 0.01	186.09	1200	< 0.005	0.001	0.11	< 0.0001	< 0.001	< 0.001	< 0.001	0.058	< 0.0001	< 0.004	0.07	< 5	< 5	< 0.003	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.003	< 0.05
13-Oct-20	20-Nov-20		7.2	-	530	100	210	160	60	120	7.3	1.1	0.034	0.16	0.2	0.24	11	< 0.01	185.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-20	22-Jan-21		6.8	-	520	75	210	160	59	120	7.8	1.7	0.83	0.2	0.56	0.066	11	< 0.01	185.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Mar-21	29-Jun-21		7	1400	530	84	210	170	60	130	7.2	1.2	0.26	0.19	0.05	0.044	11	0.01	185.59	1100	< 0.005	0.001	0.11	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	< 0.004	0.28	-	< 0.005	< 0.003	< 0.004	< 0.001	-	-	-	-	-
27-May-21	29-Jun-21		7	-	490	96	210	180	62	140	7.3	1.4	0.01	0.19	0.28	0.1	11	0.05	185.1	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
2-Sep-21	3-Nov-21		6.9	-	490	96	220	170	60	130	7.3	1.6	0.012	0.18	0.21	0.064	12	< 0.01	185.8	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
30-Nov-21	11-Dec-21		7	-	530	100	220	170	61	140	8.1	0.56	0.009	< 0.1	0.23	0.4	16	< 0.05	187.01	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
8-Mar-22	17-Mar-22		7.1	-	560	150	330	230	84	180	9.4	0.003	< 0.005	0.1	0.03	14	13	< 0.05	190.15	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200

EPL Point 3 (Groundwater BH3)

Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Alkalinity ($mgCaCO_3/L$)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Manganese (mg/L)	Iron (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrate as N (mgN/L)	Total Organic Carbon (mg/L)	Total Phenolics (mg/L)	Standing Water Level (mAHD)	Total Dissolved Solids (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)	Mercury (mg/L)	Hexavalent Chromium (mg/L)	Total Phosphorus (mg/L)	BOD (mg/L)	PCBs (µg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	Total Petroleum Hydrocarbons (mg/L)
Sampling Frequency (during discharge)			Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
27-Jun-12			7.57	1920	666	117	249	103	130	122	1	0.539	0.15	0.6	0.05	0.12	6	<0.05	189.84	1160	0.15	0.003	0.486	< 0.0001	< 0.001	0.004	0.002	0.011	0.0009	<0.010	0.11	<2	< 1	< 0.0135	< 0.0155	< 0.0155	< 0.001	< 0.002	< 0.002	< 0.002	< 0.25
25-Sep-12			7.63	1980	671	96	237	111	136	128	1	0.399	<0.05	0.6	<0.01	0.05	6	<0.05	189.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-12			7.65	1830	685	86	182	100	124	117	1	0.169	<0.05	0.6	0.15	0.34	5	<0.05	189.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-13	4-Jun-13		7.62	1940	684	97	200	84	129	122	1	0.533	0.06	0.7	<0.01	0.03	5	<0.05	189.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-13	26-Aug-13		7.60	1970	639	80	201	108	130	126	1	0.426	0.12	0.6	<0.01	0.13	14	<0.05	188.93	1100	0.06	0.002	0.499	< 0.0001	< 0.001	0.002	0.001	0.011	0.0007	<0.01	0.09	<2	< 1	< 0.0135	< 0.0155	< 0.0165	< 0.001	< 0.002	< 0.002	< 0.002	< 0.18
4-Sep-13	31-Oct-13		7.55	1930	700	94	211	108	132	135	1	0.341	0.06	0.6	0.01	0.06	8	<0.05	189.28	-	-	-	-	-	-	-	-	-	0.0020	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-13	23-Jan-14		7.47	1930	675	102	194	116	125	111	1	0.361	0.09	0.7	<0.01	0.1	6	<0.05	188.99	-	-	-	-	-	-	-	-	-	0.0022	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-14	5-May-14		7.90	1930	658	113	193	119	134	122	1	0.412	0.05	0.6	0.03	2.36	1	<0.05	188.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Jun-14	24-Jul-14		7.63	1970	670	125	186	114	135	114	1	0.382	0.06	0.6	0.02	2.87	5	<0.05	188.79	1060	< 0.010	0.002	0.463	< 0.0001	< 0.001	0.003	0.001	< 0.005	0.0004	<0.01	0.35	<2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
10-Sep-14	13-Oct-14		7.75	1980	634	140	181	122	139	124	1	0.367	<0.05	0.5	<0.01	3.62	6	<0.05	188.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-14	4-Feb-15		7.74	1940	636	117	181	114	123	117	2	0.392	<0.05	0.6	0.04	2.22	3	<0.05	188.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Mar-15	26-Mar-15		7.49	1990	763	133	193	135	162	131	2	0.381	<0.05	0.6	0.04	3.27	16	<0.05	188.75	-	-	-	-	-	-	-	-	-	0.0003	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	7-Jul-15		7.45	1970	818	128	180	127	130	111	1	0.293	< 0.05	0.6	< 0.01	3.69	5	< 0.05	188.25	1120	< 0.010	0.002	0.429	< 0.0001	< 0.001	0.002	< 0.001	< 0.005	0.0005	< 0.01	0.12	3	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
8-Sep-15	8-Oct-15		7.37	2020	719	122	160	122	145	119	1	0.308	< 0.05	0.6	0.02	3.84	6	< 0.05	188.61	-	-	-	-	-	-	-	-	-	0.0003	-	-	-	-	-	-	-	-	-	-	-	-
2-Dec-15	2-Dec-15		7.66	2340	740	175	260	142	164	133	2	0.184	< 0.005	0.5	0.03	12.1	11	< 0.05	188.55	-	-	-	-	-	-	-	-	-	0.0012	-	-	-	-	-	-	-	-	-	-	-	-
9-Mar-16	9-Mar-16		7.48	2600	756	180	311	169	196	136	2	0.273	< 0.005	0.5	0.02	9.87	13	< 0.05	188.76	-	-	-	-	-	-	-	-	-	0.0013	-	-	-	-	-	-	-	-	-	-	-	-
1-Jun-16	1-Jun-16		7.26	2490	840	184	292	161	176	128	2	0.23	< 0.005	0.4	< 0.01	11.1	10	< 0.05	188.38	2050	< 0.010	0.002	0.499	< 0.0001	< 0.001	0.005	< 0.001	< 0.005	0.0031	< 0.01	0.12	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
12-Sep-16	12-Sep-16		7.3	2580	831	229	299	150	178	119	2	0.15	< 0.005	0.5	0.01	26.6	13	< 0.05	191.62	-	-	-	-	-	-	-	-	-	0.0012	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-16	6-Dec-16		7.9	1110	508	36	60	65	81	77	2	0.039	< 0.005	0.4	0.02	2.41	4	< 0.05	192.08	-	-	-	-	-	-	-	-	-	0.0001	-	-	-	-	-	-	-	-	-	-	-	-
15-Mar-17	15-Mar-17		7.48	1290	656	19	72	78	87	80	1	0.11	< 0.005	0.5	0.01	0.73	3	< 0.05	190.82	-	-	-	-	-	-	-	-	-	0.0005	-	-	-	-	-	-	-	-	-	-	-	-
15-Jun-17	15-Jun-17		7.69	1340	629	18	62	76	91	85	< 1	0.103	< 0.005	0.5	< 0.01	0.61	2	< 0.05	190.47	696	< 0.010	0.002	0.148	< 0.0001	< 0.001	0.002	< 0.001	< 0.005	0.0003	< 0.01	0.1	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
11-Sep-17	11-Sep-17		7.4	-	680	39	110	91	100	100	1.5	0.18	< 0.005	0.55	< 0.01	0.65	12	< 0.01	189.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	12-Dec-17		6.7	-	700	46	120	100	110	100	1	0.16	< 0.005	0.31	0.1	0.6	9.5	0.07	189.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Mar-18	15-Mar-18		6.7	-	710	72	180	110	120	110	1	0.2	< 0.005	0.49	0.01	2.2	6.2	< 0.01	188.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jun-18	16-Jul-18		6.8	1700	710	76	180	110	130	110	1.1	0.2	< 0.005	0.51	0.03	2.1	5.7	< 0.01	188.57	1300	< 0.005	0.002	0.27	< 0.0001	< 0.001	0.005	< 0.001	< 0.005	0.0008	< 0.004	0.05	< 5	< 5	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.002	< 0.05
17-Sep-18	25-Sep-18		7.1	-	720	81	190	120	130	110	1.4	0.14	< 0.005	0.41	0.02	1.7	6	< 0.01	188.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	18-Dec-18		7	-	700	97	200	120	130	120	1.2	0.23	< 0.005	0.6	< 0.01	3	6.4	< 0.05	188.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-19	26-Apr-19		7.3		670	48	130	95	100	96	2.3	0.098	0.015	0.36	0.04	0.21	5.7	< 0.05	188.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-19	11-Jun-19		6.8	1800	690	97	170	110	120	110	1.1	0.26	<0.005	0.47	0.03	4	6.1	<0.01	187.86	1100	< 0.005	0.002	0.28	< 0.0001	< 0.001	0.005	< 0.001	< 0.005	0.0004	<0.004	0.07	<5	<5	< 0.003	< 0.004	< 0.003	< 0.001	< 0.001	< 0.001	< 0.003	< 0.05
9-Oct-19	18-Oct-19		7.1	-	760	160	190	130	140	110	1.6	0.18	< 0.005	0.27	0.071	13	7	< 0.01	187.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-19	20-Mar-20		7.4	-	750	80	150	100	120	110	3.1	0.25	0.035	0.47	1.5	2.1	6.6	< 0.01	187.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24-Mar-20	5-May-20		7	-	710	130	190	130	150	130	1.4	0.28	< 0.005	0.31	0.01	7.1	6.4	< 0.01	187.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Sep-20	20-Nov-20		6.9	1700	710	90	170	100	120	110	2.4	0.16	< 0.005	0.55	< 0.01	1	6.2	< 0.01	188.23	1200	< 0.005	0.003	0.24	< 0.0001	< 0.001	0.007	< 0.001	0.17	0.0003	< 0.004	0.3	< 5	< 5	< 0.003	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.003	< 0.05
13-Oct-20	20-Nov-20		7.1	-	730	100	180	110	130	130	1.5	0.32	< 0.005	0.54	0.03	2.7	6.1	0.01	187.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-20	22-Jan-21		6.7	-	700	95	170	110	130	130	1.7	0.33	< 0.005	0.56	0.01	3	5.4	< 0.01	187.872	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Mar-21	29-Jun-21		6.9	1600	750	130	180	130	150	130	1.9	0.25	0.005	0.55	< 0.01	17	6.2	< 0.02	188.302	1300	< 0.005	0.003	0.29	< 0.0001	< 0.001	0.005	< 0.001	0.012	0.0003	< 0.004	0.19	-	< 0.005	< 0.003	< 0.004	< 0.001	-	-	-	-	-
27-May-21	29-Jun-21		7	-	700	110	180	130	150	140	2.2	0.11	< 0.005	0.55	0.03	7.4	6	< 0.01	188.082	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
2-Sep-21	3-Nov-21		6.8	-	670	110	180	120	130	130	1.7	0.24	< 0.005	0.53	< 0.01	6.8	6.3	< 0.01	188.702	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
30-Nov-21	11-Dec-21		6.9	-	550	120	220	180	66	150	7.7	1	0.011	< 0.1	0.24	0.15	12	< 0.05	190.312	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
8-Mar-22	17-Mar-22		6.9	-	630	98	170	110	120	130	3.4	< 0.001	< 0.005	0.5	0.1	4	8.4	< 0.05	193.722	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200

EPL Point 4 (Groundwater BH4)

Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Alkalinity ($mgCaCO_3/L$)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Manganese (mg/L)	Iron (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrate as N (mgN/L)	Total Organic Carbon (mg/L)	Total Phenolics (mg/L)	Standing Water Level (mAHD)	Total Dissolved Solids (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)	Mercury (mg/L)	Hexavalent Chromium (mg/L)	Total Phosphorus (mg/L)	BOD (mg/L)	PCBs (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	Total Petroleum Hydrocarbons (mg/L)
Sampling Frequency (during discharge)			Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
27-Jun-12			8.01	1590	821	27	45	31	39	312	2	0.123	0.6	1.1	0.06	0.06	<1	<0.05	191.53	1030	0.63	0.008	0.285	< 0.0001	< 0.001	0.002	0.004	0.014	< 0.0001	<0.010	0.11	<2	< 1	< 0.0135	< 0.0155	< 0.0155	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
25-Sep-12			7.92	1740	845	31	45	50	48	295	2	0.17	0.27	1	0.02	0.03	2	<0.05	191.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-12			7.95	1410	710	22	36	45	42	258	1	0.085	0.15	1	0.02	0.11	2	<0.05	191.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

25-Mar-13	4-Jun-13		7.95	1450	699	22	43	17	43	228	2	0.141	0.07	1	<0.01	0.05	2	<0.05	190.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-13	26-Aug-13		7.85	1260	563	18	44	55	46	174	1	0.098	0.23	0.8	<0.01	0.03	7	<0.05	190.34	718	0.16	0.002	0.187	< 0.0001	< 0.001	0.008	0.004	0.036	0.0116	<0.01	0.07	<2	< 1	< 0.0135	< 0.0155	< 0.0165	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
4-Sep-13	31-Oct-13		7.88	1350	676	22	51	64	60	180	2	0.147	0.06	0.8	0.02	0.03	7	<0.05	190.74	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-13	23-Jan-14		7.72	1220	575	23	43	68	54	131	1	0.196	0.14	0.8	0.01	0.05	2	<0.05	190.33	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-14	5-May-14		8.05	1080	481	22	43	52	40	151	1	0.092	0.1	0.7	0.02	<0.01	2	<0.05	190.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Jun-14	24-Jul-14		7.84	1140	509	23	48	54	35	152	<1	0.122	0.31	0.6	0.02	0.03	<1	<0.05	190.17	605	< 0.010	0.01	0.263	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	<0.01	0.03	3	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
10-Sep-14	13-Oct-14		7.93	1060	454	23	38	50	33	139	<1	0.099	0.2	0.7	<0.01	0.02	<1	<0.05	189.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-14	4-Feb-15		7.93	1070	451	22	36	55	33	138	1	0.135	0.29	0.6	0.04	0.05	<1	<0.05	189.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Mar-15	26-Mar-15		7.72	1030	521	22	36	68	41	142	1	0.133	0.07	0.6	0.03	<0.01	6	<0.05	189.58	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	7-Jul-15		7.66	1040	572	21	36	63	36	131	1	0.129	0.32	0.6	< 0.01	0.01	< 1	< 0.05	189.56	578	< 0.010	0.01	0.233	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	< 0.01	0.03	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
8-Sep-15	8-Oct-15		7.68	1040	489	20	29	64	38	147	< 1	0.121	0.41	0.6	0.04	0.03	< 1	< 0.05	189.91	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
2-Dec-15	2-Dec-15		8.04	1000	457	23	40	52	30	130	1	0.12	< 0.005	0.5	0.04	< 0.01	2	< 0.05	189.76	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
9-Mar-16	9-Mar-16		7.8	992	420	21	39	59	33	128	< 1	0.171	0.18	0.5	0.02	0.01	1	< 0.05	189.94	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
1-Jun-16	1-Jun-16		7.61	1050	495	19	42	63	34	133	1	0.13	0.45	0.5	0.02	< 0.01	2	< 0.05	189.65	986	< 0.010	0.01	0.244	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	< 0.01	0.03	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
12-Sep-16	12-Sep-16		7.66	1460	770	28	46	85	55	200	1	0.168	0.55	0.7	0.04	0.01	2	< 0.05	192.80	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-16	6-Dec-16		7.69	2130	1130	39	57	76	91	331	1	0.236	0.21	1	0.08	0.04	3	< 0.05	193.84	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
15-Mar-17	15-Mar-17		7.77	2690	1550	41	75	59	46	549	1	0.126	0.16	1.6	0.18	< 0.01	4	< 0.05	192.66	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-	-
15-Jun-17	15-Jun-17		7.97	2760	1370	43	64	38	34	592	< 1	0.088	0.17	2.2	0.06	< 0.01	3	< 0.05	192.44	1620	< 0.010	0.052	0.234	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	< 0.01	1.18	< 2	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
11-Sep-17	11-Sep-17		7.6	-	1200	26	61	39	34	450	1.4	0.11	0.008	1.8	0.06	< 0.005	15	< 0.01	191.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	12-Dec-17		7	-	940	23	51	37	30	360	1	0.095	0.26	0.88	0.1	0.006	7.7	< 0.01	190.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Mar-18	15-Mar-18		7.1	-	810	27	48	36	28	290	0.9	0.095	0.13	1.2	0.03	< 0.005	2	< 0.01	190.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jun-18	16-Jul-18		7.2	1400	670	22	44	33	26	240	0.8	0.11	< 0.005	1	< 0.01	0.015	1.5	< 0.01	189.99	900	< 0.005	0.025	0.19	< 0.0001	< 0.001	< 0.001	< 0.001	0.007	< 0.0001	< 0.004	0.27	< 5	< 5	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.002	< 0.05
17-Sep-18	25-Sep-18		7.4	-	610	20	39	36	28	210	0.8	0.11	< 0.005	1.1	0.02	< 0.005	1.1	< 0.01	189.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	18-Dec-18		7.3	-	610	21	41	37	28	220	1	0.12	0.018	0.91	0.04	< 0.005	1.5	< 0.05	189.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-19	26-Apr-19		7.5		560	20	43	42	32	170	0.9	0.081	0.006	0.6	0.02	< 0.005	1.4	< 0.05	189.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-19	11-Jun-19		7.1	1100	560	20	40	41	29	170	0.8	0.21	0.22	0.78	0.04	<0.005	1.7	<0.01	189.19	690	<5	0.015	0.19	< 0.0001	< 0.001	< 0.001	< 0.001	<5	< 0.0001	<0.004	0.19	<5	<5	< 0.003	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.003	< 0.05
9-Oct-19	18-Oct-19		7.5	-	300	21	41	40	28	200	1.1	0.11	0.1	0.58	0.058	< 0.005	1.5	< 0.01	188.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-19	20-Mar-20		7.4	-	560	21	46	47	32	160	1.5	0.005	< 0.005	0.73	< 0.01	0.054	2.2	0.01	188.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-20	5-May-20		7.3	-	520	21	38	46	29	180	1.1	0.1	< 0.005	0.57	0.02	0.017	0.5	< 0.01	188.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Sep-20	20-Nov-20		7	1200	570	37	68	56	36	180	1.1	0.079	< 0.005	0.62	< 0.01	0.24	1.5	< 0.01	189.63	780	< 0.005	0.011	0.22	< 0.0001	< 0.001	0.002	< 0.001	0.19	< 0.0001	< 0.004	0.13	< 5	< 5	< 0.003	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.003	< 0.05
13-Oct-20	20-Nov-20		7.3	-	720	51	69	61	43	260	1.2	0.18	0.14	0.65	0.03	0.049	1.9	0.01	189.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-20	22-Jan-21		7.1	-	650	31	52	55	39	220	1.7	0.22	0.054	0.68	0.27	0.19	2.3	< 0.01	189.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Mar-21	29-Jun-21		7.2	980	620	26	46	56	37	190	1.5	0.19	0.039	0.63	0.05	0.071	2.2	< 0.02	189.14	710	< 0.005	0.014	0.21	< 0.0001	< 0.001	< 0.001	< 0.001	0.009	< 0.0001	< 0.004	0.21	-	< 0.005	< 0.003	< 0.004	< 0.001	-	-	-	-	-
27-May-21	29-Jun-21		7.3	-	470	25	43	60	38	190	1.5	0.081	< 0.005	0.63	0.02	0.21	4.1	< 0.01	189.45	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	0.99
2-Sep-21	3-Nov-21		7.1	-	490	22	41	52	33	160	1.3	0.11	< 0.005	0.62	0.03	0.015	1.9	< 0.01	190.01	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
30-Nov-21	11-Dec-21		7.2	-	520	21	38	51	34	160	1.4	< 0.001	< 0.005	0.16	0.08	0.048	1.3	< 0.05	191.43	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
8-Mar-22	17-Mar-22		7.3	-	490	24	40	52	34	170	1.9	< 0.001	< 0.005	0.62	0.02	0.33	2	< 0.05	200.42	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200

EPL Point 5 (Groundwater BH5)

Sampling Frequency (during discharge)			Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Alkalinity (mgCaCO$_3$/L**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Organic Carbon (mg/L)**	**Total Phenolics (mg/L)**	**Standing Water Level (mAHD)**	**Total Dissolved Solids (mg/L)**	**Aluminium (µg/L)**	**Arsenic (µg/L)**	**Barium (µg/L)**	**Cadmium (µg/L)**	**Chromium (µg/L)**	**Copper (µg/L)**	**Lead (µg/L)**	**Zinc (µg/L)**	**Mercury (µg/L)**	**Hexavalent Chromium (mg/L)**	**Total Phosphorus (mg/L)**	**BOD (mg/L)**	**PCBs (mg/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**Benzene (mg/L)**	**Toluene (mg/L)**	**Ethylbenzene (mg/L)**	**Xylene (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**
27-Jun-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Sep-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Sep-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Jun-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Sep-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Mar-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Sep-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Dec-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Mar-16	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Jun-16	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Sep-16	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-16	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Mar-17	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Jun-17	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Sep-17	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Mar-18	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jun-18	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-Sep-18	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-19	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Jun-19	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Oct-19	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-19	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-20	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Sep-20	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Oct-20	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-20	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Mar-21	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-May-21	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Sep-21	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Nov-21	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Mar-22	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EPL Point 6 (Surface Water SW1)

Sampling Frequency (during discharge)			Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite + Nitrate as N (Oxidised N) (mgN/L)**	**Total Organic Carbon (mg/L)**	**Total Suspended Solids (mg/L)**	**Total Dissolved Solids (mg/L)**	**Total Phenolics (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Cobalt (mg/L)**	**Copper (mg/L)**	**Lead (mg/L)**	**Zinc (mg/L)**	**Mercury (mg/L)**	**Hexavalent Chromium (mg/L)**	**Total Phosphorus (mg/L)**	**BOD (mg/L)**	**PCBs (mg/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**Benzene (mg/L)**	**Toluene (mg/L)**	**Ethylbenzene (mg/L)**	**Xylene (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**
27-Jun-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Sep-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Sep-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Jun-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Sep-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Mar-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Sep-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Dec-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Mar-16	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Jun-16	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Sep-16	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-Dec-16	6-Dec-16		8.39	1100	< 10	49	68	86	78	4	0.025	0.08	0.04	0.01	4	< 5	599	< 0.05	0.09	0.004	0.212	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	< 0.01	0.18	2	< 1	<0.010	<0.014	<0.0005	<0.001	<0.002	<0.002	<0.002	<0.07
15-Mar-17	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Jun-17	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Sep-17	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-17	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Mar-18	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jun-18	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-Sep-18	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-18	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-19	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-20	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Sep-20	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Oct-20	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-20	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Mar-21	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-May-21	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Sep-21	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Nov-21	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Mar-22	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EPL Point 7 (Surface Water SW2)

Sampling Frequency (during discharge)			Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite + Nitrate as N (Oxidised N) (mgN/L)**	**Total Organic Carbon (mg/L)**	**Total Suspended Solids (mg/L)**	**Total Dissolved Solids (mg/L)**	**Total Phenolics (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Cobalt (mg/L)**	**Copper (mg/L)**	**Lead (mg/L)**	**Zinc (mg/L)**	**Mercury (mg/L)**	**Hexavalent Chromium (mg/L)**	**Total Phosphorus (mg/L)**	**BOD (mg/L)**	**PCBs (mg/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**Benzene (mg/L)**	**Toluene (mg/L)**	**Ethylbenzene (mg/L)**	**Xylene (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**
27-Jun-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Sep-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-Dec-12	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Mar-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Jun-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Sep-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Dec-13	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-Mar-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Jun-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Sep-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-14	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Mar-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-Jun-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Sep-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-