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

EPL Point 1 (Groundwater BH1)

Sampling Frequency (during discharge)			Quarterly	Annual	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 (mg/N/L)	Nitrate as N (mg/N/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)
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	< 0.0001	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	< 0.0001	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	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	-	-	-	-	-	-	-	-	-	0.0092	-	-	-	-	-	-	-	-	-	-	-
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	0.05	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	18-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		6.8	-	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	< 0.01	< 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	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.20
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	0.4	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.20
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	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.20
8-Mar-22	17-Mar-22		6.8	720	570	27	78	110	77	82	1.3	0.004	< 0.005	0.43	0.07	2.9	3.6	< 0.05	201.131	430	< 0.005	< 0.001	0.12	< 0.0001	< 0.001	0.001	< 0.001	0.019	0.0002	< 0.004	0.29	6	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.20
21-Mar-22	18-Aug-22		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.005	< 0.003	< 0.004	< 0.001	-	-	-	-	-
13-Jul-22	18-Aug-22		6.7	-	600	23	71	110	75	79	1.1	0.008	< 0.005	0.47	0.03	0.62	4.2	< 0.05	190.01	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.7
7-Sep-22	5-May-23		6.8	-	600	26	86	110	78	82	0.9	0.02	0.018	0.4	0.02	2.4	2.5	< 0.05	193.871	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	-	-	-	-	-
2-Mar-23	5-May-23		7	1700	660	42	150	140	100	94	0.9	0.12	0.015	0.47	< 0.01	1.3	2.9	< 0.05	192.601	1000	0.01	0.001	0.16	< 0.0001	< 0.001	0.005	< 0.001	0.021	0.007	< 0.004	0.03	< 5	< 0.005	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.7
24-Apr-23	5-May-23		7	1300	< 5	15	89	110	74	72	0.8	0.02	0.021	< 0.1	0.03	6.9	3.4	< 0.05	192.061	770	0.029	< 0.001	0.11	< 0.0001	< 0.001	0.002	0.001	< 0.001	0.008	< 0.0001	< 0.004	0.07	< 5	< 0.005	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.7
12-Jul-23	17-Nov-23		6.9	1400	580	22	85	110	78	80	2	0.048	1.2	0.32	0.01	7.1	4.7	< 0.05	191.611	780	0.89	-0.001	0.11	< 0.0001	-0.001	0.004	0.021	0.03	0.0012	< 0.004	0.08	< 5	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
7-Sep-23	17-Nov-23		6.8	1400	600	29	110	110	78	75	1.3	0.01	0.039	< 0.1	< 0.01	7.9	3	< 0.05	191.351	860	0.055	< 0.001	0.12	< 0.0001	< 0.001	0.003	0.019	0.0004	< 0.004	0.06	< 5	< 5	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
11-Dec-23	9-Jan-24		6.9	1400	680	32	130	130	87	79	1.1	0.009	0.021	< 0.1	0.04	0.04	6.8	4.7	< 0.05	191.071	920	0.032	< 0.001	0.13	< 0.0001	0.002	0.006	0.016	0.0007	< 0.004	0.04	< 5	< 6	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
29-Feb-24	6-Jun-24		8.1	950	660	32	140	140	95	89	1.1	0.021	0.12	0.32	0.03	6.3	5.9	< 0.05	190.711	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	-	-	-	-	-

EPL Point 2 (Groundwater BH2)

Sampling Frequency (during discharge)			Quarterly	Annual	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 (mg/N/L)	Nitrate as N (mg/N/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)
27-Jun-12			7.55	3220	362	195	655	234	83	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	0.16	<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	78	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	1.88	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	35.3	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	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	< 0.0001	-	-	-	-	-	-	-	-	-	-	-
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	1.18	< 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		7.22	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	18-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	< 0.1	0.14	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

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	0.02	4.1	< 0.01	188.45	-	-	-	-	-	-	-	-	-	-	-	-	< 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	-	530	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	870	490	24	40	52	34	170	1.9	< 0.001	< 0.005	0.62	0.02	0.33	2	< 0.05	200.42	520	< 0.005	0.011	0.19	< 0.0001	< 0.001	< 0.001	< 0.001	0.008	< 0.0001	< 0.004	0.31	< 5	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.200
21-Mar-22	18-Aug-22		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 5	< 0.005	< 0.003	< 0.004	< 0.001	-	-	-	-	-	-
13-Jul-22	18-Aug-22		7.3	-	600	22	42	53	36	190	2.2	0.002	< 0.005	0.7	0.05	0.62	2.5	< 0.05	193.25	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.7
7-Sep-22	5-May-23		7.3	-	590	24	49	55	37	200	1.6	0.005	0.022	0.54	< 0.01	0.92	1.6	< 0.05	194.18	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	-	-	-	-	-	-	-
2-Mar-23	5-May-23		7.8	2400	1000	54	150	41	42	450	3.7	0.068	0.11	1.5	0.07	2.4	8.5	< 0.05	193.16	1500	0.048	0.073	0.18	< 0.0001	0.002	0.005	0.004	0.016	< 0.0001	< 0.004	1.8	< 5	< 0.005	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.7
24-Apr-23	5-May-23		7.3	3600	840	52	630	70	60	560	2	0.13	< 0.005	< 0.1	0.05	< 0.025	6.1	< 0.05	192.82	2100	0.006	0.035	0.42	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	< 0.004	0.44	< 5	< 0.005	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.7
12-Jul-23	17-Nov-23		7.6	4300	1100	44	700	54	56	830	2	0.17	0.35	0.81	0.03	< 0.025	11	< 0.05	192.54	2400	0.18	0.046	0.32	< 0.0001	0.002	0.002	0.019	0.016	< 0.0001	< 0.004	0.72	< 5	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
7-Sep-23	17-Nov-23		7.1	3000	920	36	510	59	47	480	1.7	0.11	< 0.005	< 0.1	0.03	< 0.025	6.4	< 0.05	192.15	1800	< 0.005	0.034	0.34	< 0.0001	< 0.001	0.006	< 0.001	0.006	< 0.0001	< 0.004	0.61	< 5	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
11-Dec-23	9-Jan-24		7.3	2200	840	30	310	54	40	410	1.2	0.1	0.19	1.2	0.04	< 0.025	4.1	< 0.05	190.97	1400	0.047	0.029	0.27	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.0001	< 0.004	0.37	< 5	< 1	< 0.010	< 0.014	< 0.0005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.07
29-Feb-24	6-Jun-24		8.8	1180	760	26	230	49	36	370	1.4	0.095	0.29	0.83	0.05	< 0.005	3.3	< 0.05	190.55	-	-	-	-	-	-	-	-	-	-	-	-	< 5	-	-	-	-	-	-	-	-	-	-	-

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	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Alkalinity (mgCaCO3/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 (mbRD)**	**Total Dissolved Solids (mg/L)**	**Aluminium (µg/L)**	**Arsenic (µg/L)**	**Barium (µg/L)**	**Cadmium (µg/L)**	**Chromium (µg/L)**	**Cobalt (µg/L)**	**Copper (µg/L)**	**Lead (µg/L)**	**Zinc (µg/L)**	**Mercury (µg/L)**	**Hexavalent Chromium (µg/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-Mar-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-Jun-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Sep-15	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Dec-15	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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Mar-22	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Jul-22	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Sep-22	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Mar-23	5-May-23		7.9	1400	3.1	53	73	89	110	3.9	0.56	0.52	0.07	0.077	12	130	780	< 0.05	0.31	0.004	0.22	< 0.0001	< 0.001	0.001	0.003	< 0.001	3.9	< 0.005	< 0.0001	< 0.004	-	5	< 0.005	< 0.003	< 0.004	< 0.001	< 0.0005	< 0.0005	< 0.0005	< 0.0015	< 0.7
24-Apr-23	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-Jul-23	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Sep-23	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-Dec-23	Dry		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29-Feb-24	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	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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-