Oberon Council
Oberon Waste Facility
Lowes Mount Road, Oberon NSW
EPL 20289
Waste Disposal (application to land)

Sampling Point 1 (SW1)

Sampling Frequency (during discharge)			Monthly	Monthly	Monthly	Monthly
Discharge Limit			6.0 - 9.0		50	10
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Suspended Solids (mg/L)**	**Oil and Grease (mg/L)**
Nil Discharge						
15-Apr-14	2-Jun-14		7.41	304	69	<5
13-May-14	10-Jun-14		7.58	302	25	<5
4-Jun-14	4-Aug-14		7.45	273	10	<5
22-Jul-14	4-Aug-14		7.58	172	7	<5
10-Sep-14	24-Sep-14		7.58	143	11	<5
22-Dec-14	21-Jan-15		7.67	167	8	<5
6-May-15	28-May-15		11.7	8.4		
23-Jun-15	8-Jul-15		7.08	112	15	7
16-Jul-15	7-Aug-15		7.08	107	70	10
5-Aug-15	25-Sep-15		7.32	126	15	< 5
10-Sep-15	29-Sep-15		8.13	601	85	< 5
23-Nov-15	17-Dec-15		7.62	184	12	< 5
23-Dec-15	15-Jan-16		No Discharge			
15-Jan-16	3-Feb-16		No Discharge			
3-Feb-16	11-Mar-16		No Discharge			
11-Mar-16	22-Apr-16		No Discharge			
22-Apr-16	19-May-16		No Discharge			
19-May-16	28-Jun-16		No Discharge			
4-Jul-16	21-Sep-16		No Discharge			
11-Jul-16	21-Sep-16		7.14	75	8	< 5
17-Aug-16	21-Sep-16		No Discharge			
5-Sep-16	21-Sep-16		7.57	478	60	< 5
10-Oct-16	2-Dec-16		7.94	643	10	< 5
7-Nov-16	2-Dec-16		7.77	733	15	< 5
15-Dec-16	22-Dec-16		No Discharge			
11-Jan-17	31-Jan-17		No Discharge			
7-Feb-17	28-Feb-17		No Discharge			
9-Mar-17	28-Mar-17		No Discharge			
11-Apr-17	28-Apr-17		No Discharge			
17-May-17	8-Jun-17		No Discharge			
17-Jun-17	17-Jun-17		No Discharge			
11-Jul-17	11-Jul-17		No Discharge			
22-Aug-17	22-Aug-17		No Discharge			
7-Sep-17	7-Sep-17		No Discharge			
5-Oct-17	5-Oct-17		No Discharge			
13-Nov-17	13-Nov-17		No Discharge			
4-Dec-17	4-Dec-17		6.9	400	46	10
15-Jan-18	15-Jan-18		7.1	630	41	< 10
16-Feb-18	16-Feb-18		No Discharge			
23-Mar-18	23-Mar-18		No Discharge			
27-Apr-18	27-Apr-18		No Discharge			
28-May-18	28-May-18		No Discharge			
18-Jun-18	18-Jun-18		No Discharge			
18-Jul-18	18-Jul-18		No Discharge			
17-Aug-18	17-Aug-18		No Discharge			
6-Sep-18	6-Sep-18		No Discharge			
29-Oct-18	29-Oct-18		No Discharge			
14-Nov-18	21-Jan-19		7.1	490	27	21
18-Dec-18	21-Jan-19		7.2	310	150	< 10
30-Jan-19	24-Apr-19		No Discharge			
19-Feb-19	24-Apr-19		No Discharge			
28-Mar-19	24-Apr-19		7.1	140	17	< 10
1-May-19	23-Jul-19		No Discharge			
6-Jun-19	29-Jan-20		No Discharge			
10-Jul-19	29-Jan-20		No Discharge			
19-Aug-19	29-Jan-20		No Discharge			
2-Sep-19	29-Jan-20		No Discharge			
9-Oct-19	29-Jan-20		No Discharge			
11-Nov-19	29-Jan-20		No Discharge			
8-Dec-19	29-Jan-20		No Discharge			
7-Jan-20	29-Jan-20		No Discharge			
3-Feb-20	24-Jul-20		No Discharge			
11-Mar-20	24-Jul-20		No Discharge			
24-Apr-20	24-Jul-20		No Discharge			
18-May-20	24-Jul-20		No Discharge			
30-Jun-20	24-Jul-20		No Discharge			
7-Jul-20	24-Jul-20		7.4	110	18	< 5
28-Aug-20	16-Oct-20		7.1	93	22	< 5
2-Sep-20	16-Oct-20		7.4	220	37	< 5
27-Oct-20	25-Nov-20		6.9	160	19	< 5
27-Nov-20	21-Jan-21		No Discharge			
9-Dec-20	21-Jan-21		No Discharge			
13-Jan-21	3-Jun-21		No Discharge			
16-Feb-21	3-Jun-21		No Discharge			
23-Mar-21	3-Jun-21		6.6	170	31	<5
1-Apr-21	3-Jun-21		No Discharge			
3-May-21	3-Jun-21		No Discharge			
24-Jun-21	13-Jul-21		6.8	410	66	<5
5-Jul-21	21-Dec-21		No Discharge			
5-Aug-21	21-Dec-21		No Discharge			
6-Sep-21	21-Dec-21		No Discharge			
12-Oct-21	21-Dec-21		No Discharge			
4-Nov-21	21-Dec-21		6.7	580	150	< 5
14-Dec-21	21-Dec-21		No Discharge			
18-Jan-22	9-Jun-22		7.1	820	14	< 5
1-Feb-22	9-Jun-22		6.9	850	200	< 5
1-Mar-22	9-Jun-22		No Discharge			
7-Apr-22	9-Jun-22		No Discharge			
17-May-22	9-Jun-22		No Discharge			
20-Jun-22	31-Jan-23		7.2	830	21	< 5
4-Jul-22	31-Jan-23		6.8	110	< 5	< 5
30-Aug-22	31-Jan-23		7.8	1500	11	< 5
19-Sep-22	31-Jan-23		7.2	670	180	< 5
10-Oct-22	31-Jan-23		6.7	450	110	< 5
15-Nov-22	31-Jan-23		7.8	1000	11	< 5
19-Dec-22	31-Jan-23		8.4	3400	17	< 5
31-Jan-23	12-May-23		No Discharge			
7-Feb-23	12-May-23		No Discharge			

Sampling Point 2 (Groundwater BH1S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**	**Lead (mg/L)**	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
19-Nov-13	11-Dec-13		7.12	141	92	32	22	5	9	<1	20	<1	0.92	<0.001	0.038	<0.0001	0.002	0.004	<0.001	0.00	0.00	0.04	0.01	0.25	<0.0001	<0.1	0.02	<0.01	1.62	0.64	4.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1110.46
13-May-14	10-Jun-14		6.35	122	79	22	19	5	<1	<1	24	<1														<0.1	<0.01	<0.01	1.51	0.16	2.0							1110.07
5-Nov-14	4-Dec-14		6.25	95	62	11	18	6	<1	<1	20	<1	<0.01	<0.001	0.007	<0.0001	<0.001	0.001	<0.001	<0.001	<0.001	0.01	0.00	<0.05	<0.0001	0.20	<0.01	<0.01	1.55	0.08	2.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1110.88
6-May-15	28-May-15		6.27	92	60	11	15	5	< 1	< 1	23	< 1	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.1	0.03	< 0.01	1.75	0.16	2.0	-	-	-	-	-	-	1112.2
23-Nov-15	17-Dec-15		6.25	90	58	12	13	5	< 1	< 1	16	< 1	< 0.01	< 0.001	0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	0.00	< 0.05	< 0.0001	< 0.1	0.03	< 0.01	1.44	0.16	6.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1112.05
19-May-16	Insufficient																																					1109.45
5-Sep-16	21-Sep-16		6.38	113	73	29	12	6	3	< 1	21	< 1	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.1	< 0.01	< 0.01	1.43	0.22	2.0	-	-	-	-	-	-	1113.41
7-Nov-16	Insufficient																																					1112.73
17-May-17	Insufficient																																					1109.5
13-Nov-17	Insufficient																																					1109.37
28-May-18	Insufficient																																					1109.37
14-Nov-18	21-Jan-19		6.5	190	110	34	1.7	34	14	3.1	10	7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	< 0.005	0.05	0.28	5.5	-	-	-	-	-	-	1110.93
1-May-19	Insufficient																																					-
11-Nov-19	Insufficient																																					-
7-Jul-20	24-Jul-20		6.2	170	95	27	3.3	33	7.4	4.8	6.9	9.8	0.034	< 0.001	0.099	< 0.0001	< 0.001	0.004	0.001	-	< 0.001	0.061	0.052	0.045	< 0.0001	< 0.1	0.06	< 0.005	0.04	0.09	2.9	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1113.19
9-Dec-20	21-Jan-21		5.7	530	330	66	< 1	76	2.6	45	20	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	< 0.005	16.00	0.73	2.3	-	-	-	-	-	-	1112.97
3-May-21	3-Jun-21		5.6	250	170	18	4.3	51	12	7.9	11	20	0.016	< 0.001	0.14	< 0.0001	0.005	0.003	0.003	-	< 0.001	0.023	0.13	0.56	< 0.0001	< 0.1	0.26	0.01	2.50	0.33	11.0	<0.01	<0.014	0.01	<0.0005	0.029	<0.07	1113.47
25-Nov-21	21-Dec-21		5.8	140	89	23	3.9	26	6.4	4.3	6.9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25	0.01	0.07	0.29	8.9	-	-	-	-	-	-	1114.28
17-May-22	9-Jun-22		5.5	180	200	18	6.3	27	6.8	4.6	6.3	18	4.4	0.004	0.1	< 0.0001	0.005	0.012	0.002	-	0.004	0.029	0.08	3.4	< 0.0001	< 0.1	0.30	0.01	0.02	0.27	11.0	<0.01	<0.014	0.05	<0.001	<0.003	<0.185	1113.44
7-Feb-23	12-May-23		5.8	190	140	31	6.4	31	8.1	7.3	9.1	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	0.02	0.22	0.34	15.0	-	-	-	-	-	-	1112.32

Sampling Point 3 (Groundwater BH1D)

Sampling Frequency (where liquid is present)			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	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**	**Lead (mg/L)**	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
19-Nov-13	11-Dec-13		6.04	126	82	27	11	10	2	3	12	3	0.05	<0.001	0.093	<0.0001	<0.001	0.004	0.002	0.01	0.00	0.038	0.04	0.52	<0.0001	<0.1	0.02	<0.01	0.02	0.24	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1109.61
13-May-14	10-Jun-14																																					

5-Nov-14	4-Dec-14		6.09	123	80	28	11	12	3	4	13	4	<0.01	<0.001	0.116	<0.0001	<0.001	0.004	0.002	0.01	<0.001	0.037	0.03	<0.05	<0.0001	<0.1	0.01	<0.01	0.05	0.19	2.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1110.53
23-Nov-15	17-Dec-15		6.44	126	82	29	10	14	4	4	11	3	0.02	< 0.001	0.128	< 0.0001	< 0.001	0.003	0.002	0.01	< 0.001	0.033	0.03	< 0.05	< 0.0001	< 0.1	0.02	< 0.01	0.13	0.02	5.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1111.48
7-Nov-16	2-Dec-16		6.36	120	78	27	9	11	4	4	10	3	< 0.01	< 0.001	0.14	< 0.0001	< 0.001	0.002	0.001	0.01	< 0.001	0.026	0.02	< 0.05	< 0.0001	0.10	< 0.01	< 0.01	0.12	0.02	4.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1112.01
13-Nov-17	Insufficient																																					
28-May-18	28-Jun-18		6	100	89	24	9.1	11	2.8	4	10	2.9	< 0.005	< 0.001	0.17	< 0.0001	< 0.001	< 0.001	0.002	-	< 0.001	0.017	0.02	6.00	< 0.0001	< 0.1	0.01	< 0.005	0.08	< 0.02	0.6	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1107.39
1-May-19	23-Jul-19		5.6	110	63	31	9.7	12	3.5	4	8.8	2.9	< 0.005	< 0.001	0.14	< 0.0001	< 0.001	< 0.001	0.001	-	< 0.001	0.035	0.027	0.006	< 0.0001	< 0.1	0.03	< 0.005	0.17	0.03	0.4	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1108.40
11-Nov-19	29-Jan-20																																					1108.61
7-Jul-20	24-Jul-20		6.2	100	80	26	9.8	14	2.7	4.2	9.5	3	0.009	< 0.001	0.14	0.0002	< 0.001	0.005	< 0.001	-	< 0.001	0.078	0.016	0.008	< 0.0001	< 0.1	0.07	< 0.005	0.45	0.06	0.9	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1110.37
24-Jun-21	13-Jul-21		6.3	120	80	23	9.4	14	4.4	4.7	12	3.8	< 0.005	< 0.001	0.14	0.0001	< 0.001	0.002	< 0.001		< 0.001	0.089	0.015	< 0.005	< 0.0001	< 0.1	0.02	< 0.005	0.65	0.10	1.5	<0.01	<0.014	0.01	<0.0005	<0.001	<0.07	1110.82
17-May-22	9-Jun-22		5.7	130	82	19	9.7	14	3.8	4.5	11	3.8	0.068	< 0.001	0.15	< 0.0001	< 0.001	0.001	< 0.001	-	< 0.001	0.079	0.022	0.046	< 0.0001	< 0.1	0.15	< 0.005	0.32	0.14	0.9	<0.01	<0.014	< 0.05	<0.001	<0.003	<0.185	1110.79

Sampling Point 4 (Groundwater BH2)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Total Alkalinity as CaCO3 (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Lead (mg/L)	Zinc (mg/L)	Manganese (mg/L)	Iron (mg/L)	Mercury (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrite as N (mgN/L)	Nitrate as N (mgN/L)	Total Phosphorus (mg/L)	Total Organic Carbon (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Phenolic Compounds (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	BTEX (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Standing Water Level (mAHD)
19-Nov-13	11-Dec-13		6.43	402	261	51	<1	58	1	34	18	<1	0.93	<0.001	0.338	0.0002	0.004	0.008	0.01	0.02	0.00	0.05	0.20	0.95	<0.0001	<0.1	0.03	<0.01	16.70	0.58	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1111.81
13-May-14	10-Jun-14		6.67	419	272	50	<1	60	<1	34	19	<1														<0.1	<0.01	<0.01	15.4	0.95	<1							1112.02
5-Nov-14	4-Dec-14		6.25	438	285	59	<1	58	1	37	22	<1	<0.01	<0.001	0.299	0.0001	<0.001	0.001	0.001	0.014	<0.001	0.016	0.05	<0.05	<0.0001	0.1	<0.01	<0.01	16.9	0.94	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1112.15
6-May-15	28-May-15		6.27	465	302	55	13	56	2	52	24	< 1	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.1	< 0.01	0.01	18.3	0.74	1.0	-	-	-	-	-	-	1111.97
23-Nov-15	17-Dec-15		6.52	460	299	59	< 1	53	2	40	17	< 1	0.02	< 0.001	0.305	0.0001	< 0.001	< 0.001	0.00	0.01	< 0.001	0.01	0.06	< 0.05	< 0.0001	< 0.1	0.06	< 0.01	17.10	0.91	7.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1110.62
19-May-16	Insufficient																																					-
5-Sep-16	Insufficient																																					-
7-Nov-16	2-Dec-16		6.41	440	286	53	< 1	55	1	36	16	< 1	< 0.01	< 0.001	0.33	0.0001	< 0.001	< 0.001	0.00	0.01	< 0.001	0.01	0.04	< 0.05	< 0.0001	0.20	< 0.01	< 0.01	16.60	0.13	2.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1112.78
17-May-17	Insufficient																																					1107.72
13-Nov-17	10-Jan-18		5.9	470	300	56	< 1	69	1.4	39	16	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04	< 0.005	17.00	0.69	1.0	-	-	-	-	-	-	1109.84
28-May-18	28-Jun-18		6.1	470	310	57	< 1	69	3	40	18	0.5	< 0.005	< 0.001	0.42	0.0002	< 0.001	0.001	0.00		< 0.001	0.03	0.10	< 0.005	< 0.0001	< 0.1	0.07	< 0.005	16.00	1.50	1.7	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1109.02
14-Nov-18	21-Jan-19		5.8	490	340	59	< 1	75	2.9	39	16	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01	< 0.005	17.00	1.70	1.8	-	-	-	-	-	-	1107.72
1-May-19	23-Jul-19																																					1108.42
11-Nov-19	Insufficient																																					1108.17
7-Jul-20	24-Jul-20		6.1	560	390	70	3.8	97	3.3	44	22	0.5	< 0.005	< 0.001	0.44	0.0003	< 0.001	< 0.001	0.012		< 0.001	0.13	0.28	< 0.005	< 0.0001	< 0.1	0.03	0.01	16.00	3.30	1.4	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1108.7
9-Dec-20	21-Jan-21		5.4	210	150	22	3.8	39	7.8	5.8	9.3	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	< 0.005	0.074	0.12	5.6	-	-	-	-	-	-	1110.74
3-May-21	3-Jun-21		5.8	520	220	76	< 1	81	3.8	48	20	0.5	< 0.005	< 0.001	0.43	0.0002	0.045	< 0.001	0.001		< 0.001	0.034	0.05	< 0.005	< 0.0001	< 0.1	0.02	< 0.005	19.00	0.57	2.9	<0.01	<0.014	0.01	<0.0005	<0.001	<0.07	1110.89
25-Nov-21	21-Dec-21		5.7	460	390	56	1.1	84	3.2	46	19	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	< 0.005	19.00	0.47	1.6	-	-	-	-	-	-	1112.42
17-May-22	9-Jun-22		5.8	560	490	56	< 1	88	3.3	52	20	0.5	0.014	< 0.001	0.45	0.0002	0.027	< 0.001	< 0.001	-	< 0.001	0.038	0.077	0.019	< 0.0001	< 0.1	< 0.01	0.01	19.00	0.27	1.1	<0.01	<0.014	< 0.05	<0.001	<0.003	<0.185	1111.93
7-Feb-23	12-May-23		5.8	580	410	65	2.4	96	3.6	53	21	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01	< 0.005	19.00	0.20	1.6	-	-	-	-	-	-	1112.33

Sampling Point 5 (Groundwater BH3S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Total Alkalinity as CaCO3 (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Lead (mg/L)	Zinc (mg/L)	Manganese (mg/L)	Iron (mg/L)	Mercury (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrite as N (mgN/L)	Nitrate as N (mgN/L)	Total Phosphorus (mg/L)	Total Organic Carbon (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Phenolic Compounds (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	BTEX (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Standing Water Level (mAHD)
20-Nov-13	Insufficient Recharge																																					1104.51
13-May-14	10-Jun-14		7.57	535	348	220	9	36	5	11	98	1														0.8	0.08	<0.01	<0.01	0.34	6.0							1104.56
5-Nov-14	4-Dec-14		7.53	626	407	272	21	36	9	19	98	<1	1.42	0.007	0.21	0.0002	0.003	0.018	0.013	0.003	0.005	0.044	0.964	0.72	<0.0001	0.9	0.08	<0.01	<0.01	3.68	14.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.83
6-May-15	28-May-15		7.38	577	375	230	10	36	8	22	91	< 1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	0.03	< 0.01	0.01	1.67	2.0	-	-	-	-	-	-	1104.87
23-Nov-15	17-Dec-15		7.1	552	359	211	8	42	10	18	99	3	1.4	0.005	0.157	0.0005	0.004	0.124	0.02	0.02	0.16	0.20	0.68	0.92	< 0.0001	0.80	0.06	< 0.01	0.02	1.35	5.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.1
19-May-16	Insufficient																																					1103.59
5-Sep-16	21-Sep-16		6.63	415	270	141	8	40	4	15	58	< 1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60	0.06	< 0.01	0.08	3.22	2.0	-	-	-	-	-	-	1105.53
7-Nov-16	2-Dec-16		6.73	359	233	121	7	32	2	16	50	< 1	4.2	0.009	0.589	0.0002	0.006	0.121	0.09	0.01	0.02	0.07	1.34	3.75	< 0.0001	0.60	0.04	< 0.01	0.03	2.38	2.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.32
17-May-17	Insufficient																																					1103.63
13-Nov-17	10-Jan-18		6.7	590	360	250	10	32	5.1	16	100	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	< 0.005	< 0.05	1.70	4.9	-	-	-	-	-	-	1103.43
28-May-18	Insufficient																																					1101.92
14-Nov-18	21-Jan-19		6.5	580	410	220	9	29	11	15	100	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	< 0.005	6.60	1.40	4.5	-	-	-	-	-	-	1103.2
1-May-19	23-Jul-19		6.7	530	380	250	10	29	10	15	100	0.5	0.029	0.001	0.18	< 0.0001	< 0.001	0.002	0.007		< 0.001	0.005	0.61	0.014	< 0.0001	0.63	0.03	< 0.005	1.90	2.20	2.3	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1102.74
11-Nov-19	29-Jan-20		6.7	550	380	230	9.4	40	8.8	14	96	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04	<0.005	0.35	0.89	2.6	-	-	-	-	-	-	1102.98
7-Jul-20	24-Jul-20		6.5	370	240	140	14	21	31	9	31	0.9	0.27	< 0.001	0.13	< 0.0001	< 0.001	0.002	0.001		< 0.001	0.058	0.14	0.13	< 0.0001	< 0.1	0.04	< 0.005	3.00	0.31	3.3	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1104.17
9-Dec-20	21-Jan-21		6.4	630	390	230	8.2	55	9.2	19	99	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	< 0.005	0.25	0.85	2.2	-	-	-	-	-	-	1104.76
3-May-21	3-Jun-21		6.5	620	350	230	8.1	61	7.1	22	110	0.6	0.032	0.003	0.1	< 0.0001	0.055	0.002	0.013		< 0.001	0.009	0.64	0.051	< 0.0001	0.79	0.07	< 0.005	0.18	1.20	3.1	<0.01	<0.014	0.01	<0.0005	<0.001	<0.07	1104.41
25-Nov-21	21-Dec-21		6.5	470	240	190	8.1	54	3.1	20	95	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	< 0.005	0.03	1.80	3.2	-	-	-	-	-	-	1105.51
17-May-22	9-Jun-22		6.7	520	320	190	25	88	2.9	20	90	0.5	0.23	0.002	0.038	< 0.0001	0.008	< 0.001	< 0.001	-	< 0.001	0.007	0.064	0.11	< 0.0001	0.79	0.01	< 0.005	0.04	0.23	1.0	<0.01	<0.014	< 0.05	<0.001	<0.003	<0.185	1105.13
7-Feb-23	12-May-23		6.7	390	230	140	8.9	37	2.8	18	58	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01	< 0.005	0.07	0.18	0.9	-	-	-	-	-	-	1104.69

Sampling Point 6 (Groundwater BH3D)

Sampling Frequency (where liquid is present)			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	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Total Alkalinity as CaCO3 (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Lead (mg/L)	Zinc (mg/L)	Manganese (mg/L)	Iron (mg/L)	Mercury (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrite as N (mgN/L)	Nitrate as N (mgN/L)	Total Phosphorus (mg/L)	Total Organic Carbon (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Phenolic Compounds (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	BTEX (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Standing Water Level (mAHD)
20-Nov-13	Piezometer Blocked																																		* Standing Water Level unlikely to be accurate due to blockage.			1104.92
25-Feb-14	14-Mar-14		7.43	292	190	111	10	10	16	13	16	1	0.16	<0.001	0.081	0.0002	0.001	0.017	<0.001	0.01	0.01	0.06	0.04	0.08	0.00	0.30	<0.01	<0.01	0.11	0.46	1.0	<0.010	<0.014	<0.014	<0.0005	<0.001	<0.07	1103.82* *replacement
13-May-14	10-Jun-14																																					1104.62 *replacement
5-Nov-14	4-Dec-14		6.86	191	124	75	7	12	4	12	16	2	0.02	<0.001	0.049	<0.0001	<0.001	<0.001	<0.001	0.00	<0.001	0.01	0.01	<0.05	<0.0001	0.20	<0.01	<0.01	0.19	0.09	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.72
23-Nov-15	17-Dec-15		6.88	191	124	67	6	12	5	13	14	1	< 0.01	< 0.001	0.046	< 0.0001	< 0.001	< 0.001	< 0.001	0.00	< 0.001	0.01	0.02	< 0.05	< 0.0001	0.20	< 0.01	< 0.01	0.08	0.11	6.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.02
7-Nov-16	2-Dec-16		6.58	179	116	63	6	11	5	12	13	2	0.01	< 0.001	0.052	< 0.0001	< 0.001	< 0.001	< 0.001	0.00	< 0.001	0.01	0.00	< 0.05	< 0.0001	0.30	< 0.01	< 0.01	0.12	0.09	1.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.2
13-Nov-17	Insufficient																																					-
28-May-18	28-Jun-18		6.3	180	150	74	6.6	13	4.8	13	15	1.5	< 0.005	< 0.001	0.068	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.001	0.01	0.00	0.01	< 0.0001	0.16	< 0.01	< 0.005	0.07	0.08	0.6	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1101.95
1-May-19	23-Jul-19		6.1	200	150	72	7.2	14	4.7	13	14	1.5	< 0.005	< 0.001	0.059	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.001	0.006	0.003	< 0.005	< 0.0001	0.12	0.02	< 0.005	0.06	0.10	0.4	<0.01	<0.014	0.09	<0.0005	<0.001	<0.07	1102.26
11-Nov-19	29-Jan-20																																					1102.94
7-Jul-20	24-Jul-20		6.9	220	150	88	7.3	18	5.7	13	19	1.6	0.012	< 0.001	0.061	< 0.0001	< 0.001	0.001	< 0.001		< 0.001	0.088	0.005	0.011	< 0.0001	0.16	0.03	< 0.005	0.06	0.10	0.7	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1103.74
24-Jun-21	13-Jul-21		6.3	180	110	59	6.2	12	5	13	17	1.6	0.18	< 0.001	0.053	< 0.0001	< 0.001	0.001	< 0.001		< 0.001	0.016	0.012	0.094	< 0.0001	0.23	< 0.01	< 0.005	0.07	0.09	0.3	<0.01	<0.014	0.01	<0.0005	<0.001	<0.07	1104.62
17-May-22	9-Jun-22		6.3	200	150	70	6.6	14	5.5	12	17	1.7	0.03	< 0.001	0.056	< 0.0001	0.001	0.001	< 0.001	-	< 0.001	0.038	0.013	0.02	< 0.0001	0.24	0.02	< 0.005	0.11	0.12	1.2	<0.01	<0.014	< 0.05	<0.001	<0.003	<0.185	1104.57

Sampling Point 7 (Groundwater BH4S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Total Alkalinity as CaCO3 (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Lead (mg/L)	Zinc (mg/L)	Manganese (mg/L)	Iron (mg/L)	Mercury (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrite as N (mgN/L)	Nitrate as N (mgN/L)	Total Phosphorus (mg/L)	Total Organic Carbon (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Phenolic Compounds (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	BTEX (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Standing Water Level (mAHD)
20-Nov-13	Insufficient Recharge																																					1104.75
13-May-14	Insufficient Recharge																																					1104.89
5-Nov-14	4-Dec-14		7.19	1060	689	320	31	146	3	41	155	1	0.03	0.002	0.116	<0.0001	<0.001	<0.001	0.014	0.005	<0.001	0.006	1.5	1.43	<0.0001	0.6	0.12	<0.01	0.08	0.72	14.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.72
6-May-15	Insufficient Recharge																																					1104.24
23-Nov-15	17-Dec-15		7.21	773	502	221	7	106	4	42	95	< 1	< 0.01	< 0.001	0.101	< 0.0001	< 0.001	< 0.001	0.01	0.01	< 0.001	< 0.005	2.66	0.33	< 0.0001	0.40	0.06	< 0.01	0.09	0.34	5.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.1
19-May-16	Insufficient																																					1101.5
5-Sep-16	21-Sep-16		7.04	1160	754	366	12	154	8	40	160	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.70	0.06	< 0.01	0.06	0.48	7.0	-	-	-	-	-	-	1105.18
7-Nov-16	Insufficient																																					1104.8
17-May-17	Insufficient																																					1101.42
13-Nov-17	Insufficient																																					1101.72
28-May-18	Insufficient																																					-
14-Nov-18	21-Jan-19																																					1101.47
1-May-19	23-Jul-19																																					1101.95
11-Nov-19	Insufficient																																					1101.91
7-Jul-20	24-Jul-20		7.4	930	550	400	6.5	80	7.7	43	88	0.6	0.006	< 0.001	0.13	< 0.0001	< 0.001	< 0.001	0.017		< 0.001	0.023	3.2	0.009	< 0.0001	0.73	0.07	< 0.005	0.06	0.19	9.9	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1104.81
9-Dec-20	21-Jan-21		6.6	1400	870	680	< 1	110	48	110	140	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	< 0.005	< 0.005	0.44	29	-	-	-	-	-	-	1104.02
3-May-21	3-Jun-21		6.5	1600	960	850	< 1	130	55	110	190	1.5	0.007	0.001	0.14	< 0.0001	0.03	< 0.001	0.053		< 0.001	< 0.005	11	0.005	< 0.0001	0.91	2.00	< 0.005	< 0.005	0.49	16.0	<0.01	<0.014	0.01	<0.0005	<0.001	<0.07	1104.15
25-Nov-21	21-Dec-21		6.4	1600	1000	740	2.6	150	50	120	200	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	< 0.005	< 0.005	0.41	17.0	-	-	-	-	-	-	1104.79
17-May-22	9-Jun-22		6.5	1500	960	720	1.7	130	51	91	170	1	< 0.005	< 0.001	0.21	< 0.0001	0.009	0.001	0.051	-	< 0.001	0.005	7.4	0.015	< 0.0001	0.75	0.11	< 0.005	< 0.005	0.23	15.0	<0.01	<0.014	< 0.05	<0.001	<0.003	<0.185	1104.68
7-Feb-23	12-May-23		7.1	240	140	120	5.7	6.8	15	16	14	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01	< 0.005	0.05	0.09	1.1	-	-	-	-	-	-	1104.58

Sampling Point 8 (Groundwater BH4D)

Sampling Frequency (where liquid is present)			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	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Total Alkalinity as CaCO3 (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Lead (mg/L)	Zinc (mg/L)	Manganese (mg/L)	Iron (mg/L)	Mercury (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrite as N (mgN/L)	Nitrate as N (mgN/L)	Total Phosphorus (mg/L)	Total Organic Carbon (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Phenolic Compounds (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	BTEX (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Standing Water Level (mAHD)
20-Nov-13	11-Dec-13		7.26	280	182	123	11	6	13	14	26	1	0.06	0.012	0.037	<0.0001	<0.001	0.003	0.00	0.00	<0.001	0.05	0.63	3.08	<0.0001	0.40	0.03	<0.01	0.04	0.29	3.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.89
13-May-14	10-Jun-14																																					1104.93
5-Nov-14	4-Dec-14		6.98	231	150	114	6	5	10	14	16	1	<0.01	0.004	0.01	<0.0001	<0.001	<0.001	<0.001	0.00	<0.001	0.02	0.48	<0.05	<0.0001	0.30	<0.01	<0.01	0.01	0.29	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.24
23-Nov-15	17-Dec-15		7.32	260	169	127	5	5	15	15	17	1	< 0.01	0.01	0.022	< 0.0001	< 0.001	< 0.001	< 0.001	0.00	< 0.001	0.01	0.48	2.47	< 0.0001	0.30	< 0.01	< 0.01	0.02	0.24	2.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.46
7-Nov-16	2-Dec-16		7.12	229	149	101	4	4	12	14	12	1	< 0.01	0.012	0.018	< 0.0001	< 0.001	< 0.001	< 0.001	0.00	< 0.001	0.01	0.55	3.02	< 0.0001	0.30	0.01	< 0.01	0.02	0.27	< 1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.71
13-Nov-17	Insufficient																																					
28-May-18	28-Jun-18		6.7	220	150	110	4.5	4.7	13	14	13	1.4	< 0.005	15	0.022	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.001	0.02	0.56	3.40	< 0.0001	0.25	0.02	< 0.005	0.02	0.26	0.5	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1102.16
1-May-19	23-Jul-19		6.5	250	140	120	5.2	5.1	15	15	12	1.5	< 0.005	0.003	0.025	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.001	0.008	0.51	< 0.005	< 0.0001	0.22	0.02	< 0.005	0.02	0.19	0.7	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1103.26
11-Nov-19	29-Jan-20																																					1103.65
7-Jul-20	24-Jul-20		7.2	290	180	110	9.7	24	13	15	20	2.1	0.009	< 0.001	0.02	< 0.0001	< 0.001	0.003	< 0.001		< 0.001	0.13	0.1	0.011	< 0.0001	0.22	0.05	< 0.005	0.18	0.16	1.8	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1103.72
24-Jun-21	13-Jul-21		6.8	220	130	95	5	5.2	15	16	14	1.8	< 0.005	0.001	0.017	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.001	0.018	0.65	0.46	< 0.0001	0.31	< 0.01	< 0.005	< 0.005	0.15	0.4	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1104.43
17-May-22	9-Jun-22		6.4	260	150	120	5.3	5.7	15	16	14	1.6	< 0.005	0.002	0.025	< 0.0001	< 0.001	< 0.001	0.001	-	< 0.001	0.031	0.55	0.071	< 0.0001	0.33	0.02	< 0.005	< 0.005	0.26	0.5	<0.01	<0.014	< 0.05	<0.001	<0.003	<0.185	1104.46

Sampling Point 9 (Groundwater BH5)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Total Alkalinity as CaCO3 (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Lead (mg/L)	Zinc (mg/L)	Manganese (mg/L)	Iron (mg/L)	Mercury (mg/L)	Fluoride (mg/L)	Ammonia as N (mgN/L)	Nitrite as N (mgN/L)	Nitrate as N (mgN/L)	Total Phosphorus (mg/L)	Total Organic Carbon (mg/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	Phenolic Compounds (mg/L)	Polynuclear Aromatic Hydrocarbons (mg/L)	BTEX (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Standing Water Level (mAHD)
20-Nov-13	11-Dec-13		7.79	1360	884	468	186	42	14	81	168	<1	0.36	0.001	0.065	<0.0001	<0.001	0.004	<0.001	0.00	0.00	0.02	0.02	0.15	<0.0001	1.70	0.02	<0.01	4.50	<0.10	9.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.86
13-May-14	10-Jun-14		8.02	1420	923	545	159	49	14	78	166	2														1.7	0.02	0.02	4.41	0.05	1.0							1105.78
5-Nov-14	4-Dec-14		7.64	1400	910	534	180	40	12	83	182	<1	<0.01	<0.001	0.034	<0.0001	<0.001	0.001	<0.001	<0.001	<0.001	0.009	0.006	<0.05	<0.0001	1.5	<0.01	<0.01	4.58	0.09	2.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1106.09

6-May-15	28-May-15		6.02	115	75	26	10	11	3	5	14	4	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.1	< 0.01	< 0.01	0.04	< 0.01	1.0	-	-	-	-	-	-	1105.64
23-Nov-15	17-Dec-15		7.86	1380	897	517	172	37	13	87	179	< 1	< 0.01	< 0.001	0.034	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.01	0.01	< 0.05	< 0.0001	1.50	0.01	< 0.01	4.24	0.02	3.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1106.45
19-May-16	Insufficient																																							1103.78
5-Sep-16	Insufficient																																							
7-Nov-16	2-Dec-16		7.7	1280	832	453	152	33	13	74	159	< 1	0.04	< 0.001	0.033	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	0.01	< 0.05	< 0.0001	1.50	< 0.01	< 0.01	3.91	0.02	2.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1106.76
17-May-17	Insufficient																																							1102.88
13-Nov-17	10-Jan-18		7.1	1200	660	460	160	36	12	74	170	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	< 0.005	3.00	0.06	7.3	-	-	-	-	-	-	1104.28
28-May-18	Insufficient																																							1102.46
14-Nov-18	21-Jan-19		7.1	460	290	170	40	19	12	21	44	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01	< 0.005	0.70	0.18	8.7	-	-	-	-	-	-	1110.93
1-May-19	23-Jul-19		7.1	620	380	250	66	18	12	35	81	1.1	0.033	0.001	0.074	< 0.0001	< 0.001	0.003	< 0.001		< 0.001	< 0.005	0.043	0.047	< 0.0001	1	0.03	< 0.005	0.49	0.61	5.3	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1103.14
11-Nov-19	29-Jan-20		7.3	400	260	150	32	22	12	22	44	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	<0.005	0.43	0.37	11.0	-	-	-	-	-	-	1103.73
7-Jul-20	24-Jul-20		7.8	360	230	160	23	14	24	19	21	1.5	0.063	0.002	0.072	< 0.0001	< 0.001	0.005	< 0.001		< 0.001	0.019	0.053	0.11	< 0.0001	0.24	0.04	< 0.005	0.03	0.16	8.1	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1105.77
9-Dec-20	21-Jan-21		5.7	530	330	66	< 1	76	2.6	45	20	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	< 0.005	16	0.73	2.3	-	-	-	-	-	-	1105.63
3-May-21	3-Jun-21		7	330	200	170	14	3.8	38	17	18	2.7	0.017	0.004	0.063	< 0.0001	0.006	0.003	0.001		< 0.001	0.033	0.089	0.13	< 0.0001	0.25	0.08	< 0.005	0.14	0.19	18.0	<0.01	<0.014	0.01	<0.0005	<0.001	<0.07	1105.33
25-Nov-21	21-Dec-21		7	320	230	170	17	6.9	31	17	20	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	< 0.005	0.06	0.24	13.0	-	-	-	-	-	-	1106.73
17-May-22	9-Jun-22		7	380	270	170	21	7.5	37	14	24	2.4	0.64	0.004	0.062	< 0.0001	0.006	0.006	< 0.001	-	0.001	0.042	0.01	0.47	< 0.0001	0.31	0.04	< 0.005	0.05	0.19	14.0	<0.01	<0.014	< 0.05	<0.001	<0.003	<0.185	1106.6
7-Feb-23	12-May-23		7.3	530	310	210	49	14	22	30	52	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01	< 0.005	0.09	0.08	6.2	-	-	-	-	-	-	1106.13

Sampling Point 10 (Groundwater BH6S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**	**Lead (mg/L)**	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
19-Nov-13	Insufficient Recharge																																				1118.24
13-May-14	10-Jun-14		7.42	262	170	134	3	5	4	18	14	3														0.2	0.02	<0.01	0.04	0.11	<1							1117.87
5-Nov-14	4-Dec-14		6.98	496	322	198	9	37	<1	19	72	1	0.01	<0.001	0.232	<0.0001	<0.001	<0.001	0.004	0.008	<0.001	0.014	0.127	<0.05	<0.0001	0.2	0.02	<0.01	0.01	1.06	3.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1118.17
6-May-15	Insufficient Recharge																																				1120.96
23-Nov-15	Insufficient Recharge																																				-
19-May-16	Insufficient																																				-
5-Sep-16	Insufficient																																				-
7-Nov-16	2-Dec-16		7.46	1140	741	564	2	35	9	50	178	< 1	< 0.01	0.005	0.444	< 0.0001	< 0.001	< 0.001	0.00	< 0.001	< 0.001	< 0.005	0.60	7.99	< 0.0001	0.60	< 0.01	< 0.01	0.03	0.06	5.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1119.85
17-May-17	Insufficient																																				1117.2
13-Nov-17	Insufficient																																				1117.2
28-May-18	Insufficient																																				-
14-Nov-18	Insufficient																																				-
1-May-19	Insufficient																																				-
11-Nov-19	Insufficient																																				-
7-Jul-20	Blocked		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Dec-20	Blocked		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-May-21	Blocked		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-Nov-21	Blocked		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-May-22	Blocked		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7-Feb-23	Blocked		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sampling Point 11 (Groundwater BH6D)

Sampling Frequency (where liquid is present)			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	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**	**Lead (mg/L)**	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
19-Nov-13	11-Dec-13		7.42	244	159	114	3	6	6	19	14	3	0.08	0.005	0.031	<0.0001	<0.001	0.002	0.00	0.00	<0.001	0.04	0.63	0.99	<0.0001	0.20	0.02	<0.01	0.03	0.30	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1118.14
13-May-14	10-Jun-14																																				1118.13
5-Nov-14	4-Dec-14		7.27	268	174	140	5	5	5	21	16	3	<0.01	0.009	0.02	<0.0001	<0.001	<0.001	0.001	0.001	<0.001	0.009	0.684	1.5	<0.0001	0.2	<0.01	<0.01	0.04	0.31	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1118.26
23-Nov-15	17-Dec-15		7.5	246	160	123	3	5	6	21	14	3	0.02	0.001	0.009	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	0.53	< 0.05	< 0.0001	0.10	0.01	< 0.01	0.02	0.14	2.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1118.47
7-Nov-16	2-Dec-16		7.1	221	144	82	4	16	4	18	10	2	< 0.01	0.01	0.011	< 0.0001	< 0.001	< 0.001	0.00	< 0.001	< 0.001	< 0.005	0.72	2.97	< 0.0001	0.10	< 0.01	< 0.01	< 0.01	0.41	1.0	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1119.48
13-Nov-17	Insufficient																																				
28-May-18	28-Jun-18		6.9	220	140	99	3.3	11	5.1	19	12	2.6	< 0.005	9	0.012	< 0.0001	< 0.001	< 0.001	0.00		< 0.001	0.01	0.62	2.30	< 0.0001	0.11	0.02	< 0.005	0.09	0.33	1.2	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1115.98
1-May-19	23-Jul-19		6.6	230	110	100	4.3	6.9	4.8	19	11	2.5	< 0.005	0.004	0.009	< 0.0001	< 0.001	< 0.001	0.002		< 0.001	< 0.005	0.43	0.014	< 0.0001	< 0.1	< 0.01	< 0.005	< 0.005	0.12	0.5	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1115.19
11-Nov-19	29-Jan-20																																				1114.79
7-Jul-20	24-Jul-20		7.4	230	150	110	5.5	8.3	5.1	18	12	2.4	0.012	0.001	0.013	< 0.0001	< 0.001	0.001	< 0.001		< 0.001	0.076	< 0.001	0.012	< 0.0001	< 0.1	0.01	< 0.005	0.22	0.21	1.1	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1114.93
24-Jun-21	Inaccessible		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-May-22	Inaccessible		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-