

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						
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		
9-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

Sampling Point 2 (Groundwater BH1S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)
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
13-May-14	10-Jun-14		6.35	122	79	22	19	5	<1	<1	24	<1										
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
6-May-15	28-May-15		6.27	92	60	11	15	5	<1	<1	23	<1	-	-	-	-	-	-	-	-	-	-
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
19-May-16	Insufficient																					
5-Sep-16	21-Sep-16		6.38	113	73	29	12	6	3	< 1	21	< 1	-	-	-	-	-	-	-	-	-	-
7-Nov-16	Insufficient																					
17-May-17	Insufficient																					
13-Nov-17	Insufficient																					
28-May-18	Insufficient																					
14-Nov-18	21-Jan-19		6.5	190	110	34	1.7	34	14	3.1	10	7.1	-	-	-	-	-	-	-	-	-	-
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

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	
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)	
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	
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	
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	
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	
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	
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	
11-Nov-19	29-Jan-20																						
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	

Sampling Point 4 (Groundwater BH2)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)
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
13-May-14	10-Jun-14		6.67	419	272	50	<1	60	<1	34	19	<1										
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
6-May-15	28-May-15		6.27	465	302	55	13	56	2	52	24	<1	-	-	-	-	-	-	-	-	-	-
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
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
17-May-17	Insufficient																					
13-Nov-17	10-Jan-18		5.9	470	300	56	< 1	69	1.4	39	16	0.3	-	-	-	-	-	-	-	-	-	-
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
14-Nov-18	21-Jan-19		5.8	490	340	59	< 1	75	2.9	39	16	0.4	-	-	-	-	-	-	-	-	-	-
1-May-19	23-Jul-19																					
11-Nov-19	Insufficient																					
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

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	
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)	
20-Nov-13	Insufficient Recharge																						
13-May-14	10-Jun-14		7.57	535	348	220	9	36	5	11	98	1											
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	
6-May-15	28-May-15		7.38	577	375	230	10	36	8	22	91	<1	-	-	-	-	-	-	-	-	-	-	
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	
19-May-16	Insufficient																						
5-Sep-16	21-Sep-16		6.63	415	270	141	8	40	4	15	58	<1	-	-	-	-	-	-	-	-	-	-	
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	
17-May-17	Insufficient																						
13-Nov-17	10-Jan-18		6.7	590	360	250	10	32	5.1	16	100	0.5	-	-	-	-	-	-	-	-	-	-	
28-May-18	Insufficient																						
14-Nov-18	21-Jan-19		6.5	580	410	220	9	29	11	15	100	1	-	-	-	-	-	-	-	-	-	-	
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	
11-Nov-19	29-Jan-20		6.7	550	380	230	9.4	40	8.8	14	96	0.3	-	-	-	-	-	-	-	-	-	-	
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	

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	
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)	
20-Nov-13	Piezometer Blocked																						
25-Feb-14	14-Mar-14		7.43	292	190	111	10	10	6	13	16	1	0.16	<0.001	0.081	0.0002	0.001	0.017	<0.001	0.01	0.01	0.01	0.06
13-May-14	10-Jun-14																						
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	
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	
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	
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	< 0.001	0.01	
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	< 0.001	0.006	
11-Nov-19	29-Jan-20																						
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	

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	
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)	
20-Nov-13	Insufficient Recharge																						
13-May-14	Insufficient Recharge																						
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	
6-May-15	Insufficient Recharge																						
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	
19-May-16	Insufficient																						
5-Sep-16	21-Sep-16		7.04	1160	754	366	12	154	8	40	160	1	-	-	-	-	-	-	-	-	-	-	
7-Nov-16	Insufficient																						
17-May-17	Insufficient																						
13-Nov-17	Insufficient																						
28-May-18	Insufficient																						
14-Nov-18	21-Jan-19																						
1-May-19	23-Jul-19																						
11-Nov-19	Insufficient																						
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	

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	
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)	
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	
13-May-14	10-Jun-14																						
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	
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	
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	
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	< 0.001	0.02	
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	< 0.001	0.008	
11-Nov-19	29-Jan-20																						
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	

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	
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)
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
13-May-14	10-Jun-14		8.02	1420	923	545	159	49	14	78	166	2	0.03	0.001	0.034	<0.0001	<0.001	0.001	<0.001	<0.001	<0.001	0.009
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
6-May-15	28-May-15		6.02	115	75	26	10	11	3	5	14	4	-	-	-	-	-	-	-	-	-	-
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
19-May-16	Insufficient																					
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
17-May-17	Insufficient																					
13-Nov-17	10-Jan-18		7.1	1200	660	460	160	36	12	74	170	0.9	-	-	-	-	-	-	-	-	-	-
28-May-18	Insufficient																					
14-Nov-18	21-Jan-19		7.1	460	290	170	40	19	12	21	44	0.7	-	-	-	-	-	-	-	-	-	-
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	
11-Nov-19	29-Jan-20		7.3	400	260	150	32	22	12	22	44	0.8	-	-	-	-	-	-	-	-	-	-
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	<0.001	0.019

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
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)
19-Nov-13	Insufficient Recharge																					
13-May-14	10-Jun-14		7.42	262	170	134	3	5	4	18	14	3										
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
6-May-15	Insufficient Recharge																					
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
17-May-17	Insufficient																					
13-Nov-17	Insufficient																					
28-May-18	Insufficient																					
14-Nov-18	Insufficient																					
1-May-19	Insufficient																					
11-Nov-19	Insufficient																					
7-Jul-20	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
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)
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
13-May-14	10-Jun-14																					
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
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
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
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
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
11-Nov-19	29-Jan-20																					
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

Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
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)
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
			<0.1	<0.01	<0.01	1.51	0.16	2.0							1110.07
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
-	-	-	<0.1	0.03	<0.01	1.75	0.16	2.0	-	-	-	-	-	-	1112.2
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
-	-	-	<0.1	<0.01	<0.01	1.43	0.22	2.0	-	-	-	-	-	-	1109.45
															1113.41
															1112.73
															1109.5
															1109.37
-	-	-	-	0.02	<0.005	0.05	0.28	5.5	-	-	-	-	-	-	1109.37
															1110.93
															-
															-
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

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
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)
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
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
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
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
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
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
															1108.61
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

Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
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)
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
			<0.1	<0.01	<0.01	15.4	0.95	<1							1112.02
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
-	-	-	<0.1	<0.01	0.01	18.3	0.74	1.0	-	-	-	-	-	-	1111.97
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
															-
															-
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
-	-	-	-	0.04	<0.005	17.00	0.69	1.0	-	-	-	-	-	-	1107.72
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	1109.84
-	-	-	-	<0.01	<0.005	17.00	1.70	1.8	-	-	-	-	-	-	1109.02
															1107.72
															1108.42
															1108.17
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



Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
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 (m/AHD)
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
			1.7	0.02	0.02	4.41	0.05	1.0							1105.73
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
-	-	-	< 0.1	< 0.01	< 0.01	0.04	< 0.01	1.0	-	-	-	-	-	-	1105.64
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
															1103.78
															-
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
															1102.88
-	-	-	-	0.02	< 0.005	3.00	0.06	7.3	-	-	-	-	-	-	1104.28
															1102.46
-	-	-	-	< 0.01	< 0.005	0.70	0.18	8.7	-	-	-	-	-	-	1110.93
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
-	-	-	-	0.03	<0.005	0.43	0.37	11.0	-	-	-	-	-	-	1103.73
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

Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
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 (m/AHD)
			0.2	0.02	<0.01	0.04	0.11	<1							1118.24
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
															1120.96
															-
															-
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
															1117.2
															1117.2
															-
															-
															-
															-

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
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 (m/AHD)
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
															1118.13
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
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
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
															-
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
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
															1114.79
< 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