

### BH3 - EPL Monitoring Point 4

Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov 21
<b>Quarterly</b>	Ammonia (as N)	mg/L	2.7	3	3.1	3.3	2.8	2.6	2.46	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	780	1200	850	890	880	910	850	
	Calcium	mg/L	370	370	350	420	430	460	315	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	10000	10000	9300	8600	8600	9400	8700	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	680	740	670	860	830	950	712	
	Nitrate & Nitrite (as N)	mg/L	1.3	0.05	0.1	0.05	0.05	0.05	0.02	
	Nitrate (as N)	mg/L	0.35	0.02	0.06	0.02	0.02	0.02	0.02	
	Nitrite (as N)	mg/L	0.97	0.02	0.04	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.05	0.05	0.34	0.01	0.02	0.03	0.06	
	Potassium	mg/L	42	42	40	49	45	42	34	
	Sodium	mg/L	4300	4100	3800	5100	4700	4900	3970	
	Sulphate (as SO4)	mg/L	210	330	190	190	300	340	330	
	Total Alkalinity (as CaCO3)	mg/L	780	1200	850	890	880	910	850	
	Total Dissolved Solids	mg/L	14000	13000	15000	15000	20000	17000	17000	
	Total Organic Carbon	mg/L	5	40	91	5.5	5	5	1	
	pH	pH	6.3	6.5	6.5	6.7	6.5	6.4	6.4	
	Redox	mV	-114.7	-165.8	-187.1	-240.8	-101.7	-100.7	-89.1	
	Standing Water Level	mAHD	30.5	30.6	30.7	30.7	30.6	30.7	30.5	
Temperature	°C	19.7	19.1	18.7	19.9	18.9	20.4	19.7		

BH3 - EPL Monitoring Point 4				
Monitoring Frequency	Pollutant	Unit	Aug-20	Aug-21
Yearly	Aluminium	mg/L	0.05	0.94
	Arsenic	mg/L	0.001	0.006
	Barium	mg/L	1.2	15.6
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0004	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.002
	Cobalt	mg/L	0.001	0.002
	Copper	mg/L	0.01	0.007
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.7	0.4
	Lead	mg/L	0.002	0.005
	Manganese	mg/L	0.34	0.36
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.023	0.008
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.0005
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.002	0.01
	Toluene	mg/L	0.001	0.001
	Total Petroleum hydrocarbons	mg/L	0.1	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.024	0.044	



SKIP BINS



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### BH5 - EPL Monitoring Point 5

Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov 21
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.51	0.5	0.22	0.26	0.44	0.18	0.01	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	960	860	480	560	490	490	323	
	Calcium	mg/L	120	120	100	110	120	120	49	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	2900	2500	2800	2900	2700	2700	2870	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	160	170	180	220	190	230	169	
	Nitrate & Nitrite (as N)	mg/L	0.08	0.05	0.13	0.05	0.05	0.05	0.01	
	Nitrate (as N)	mg/L	0.08	0.02	0.13	0.02	0.02	0.03	0.01	
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.1	0.4	0.41	0.02	0.05	0.04	0.04	
	Potassium	mg/L	6.4	9.8	6.9	12.5	6.6	5.5	3	
	Sodium	mg/L	1200	1200	1300	1700	1700	1700	1500	
	Sulphate (as SO4)	mg/L	240	270	220	240	290	340	399	
	Total Alkalinity (as CaCO3)	mg/L	960	860	480	560	490	490	323	
	Total Dissolved Solids	mg/L	4500	3700	4700	4500	4600	4400	5360	
	Total Organic Carbon	mg/L	5.4	34	61	21	5	5	2	
	pH	pH	6.5	6.6	6.49	5.9	6.3	6.1	6.1	
	Redox	mV	49.3	-81.2	80.1	-258.4	43.5	38.3	48.5	
	Standing Water Level	mAHD	29.8	29.9	30.02	30.1	30.0	30.2	30.2	
Temperature	°C	18.4	18.1	16.6	18.4	17.7	18.4	18.0		

BH5 - EPL Monitoring Point 5				
Monitoring Frequency	Pollutant	Unit	Aug-20	Aug-21
Yearly	Aluminium	mg/L	0.05	0.36
	Arsenic	mg/L	0.001	0.003
	Barium	mg/L	0.11	0.237
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0009	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.001
	Cobalt	mg/L	0.005	0.007
	Copper	mg/L	0.068	0.002
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.7	0.3
	Lead	mg/L	0.003	0.001
	Manganese	mg/L	0.79	0.776
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.02	0.007
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.0005
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.001	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.1	0.5
	Xylene	mg/L	0.003	0.002
	Zinc	mg/L	0.18	0.009

BH6 - EPL Monitoring Point 6										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.008	0.08	0.1	0.12	0.08	0.01	0.1	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	110	220	81	68	63	73	191	
	Calcium	mg/L	18	43	12	12.5	4.1	5	29	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	6800	8100	7000	5900	6200	5600	6090	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	380	420	420	450	510	380	359	
	Nitrate & Nitrite (as N)	mg/L	0.05	0.05	0.05	0.05	0.05	0.05	0.01	
	Nitrate (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.05	0.01	
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.88	1.5	1.2	0.99	0.7	0.15	0.87	
	Potassium	mg/L	5	7.5	5	12.5	7.1	5	1	
	Sodium	mg/L	0	3100	3300	3600	4000	2900	2860	
	Sulphate (as SO4)	mg/L	220	270	160	150	200	180	186	
	Total Alkalinity (as CaCO3)	mg/L	110	220	81	68	63	73	191	
	Total Dissolved Solids	mg/L	11000	10000	9500	11000	9800	7900	10800	
	Total Organic Carbon	mg/L	270	23	38	6	7.6	5	7	
	pH	pH	5.5	5.57	5.69	5.47	5.5	4.66	5.15	
	Redox	mV	-641.2	77.9	-9.9	67.9	99.7	116.4	109.4	
Standing Water Level	mAHD	38.3	38.62	38.64	38.75	38.46	38.82	38.31		
Temperature	°C	20.5	19.4	18.5	19.2	19.5	20.3	18.7		

<b>BH6 - EPL Monitoring Point 6</b>				
<b>Monitoring Frequency</b>	<b>Pollutant</b>	<b>Unit</b>	<b>Aug-20</b>	<b>Aug-21</b>
<b>Yearly</b>	Aluminium	mg/L	0.05	11.5
	Arsenic	mg/L	0.001	0.008
	Barium	mg/L	0.13	0.365
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0006	0.0002
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.016
	Cobalt	mg/L	0.056	0.08
	Copper	mg/L	0.092	0.074
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.5	0.2
	Lead	mg/L	0.004	0.019
	Manganese	mg/L	1.8	1.9
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.088	0.054
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.0005
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.003	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.2	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.18	0.11	

BH9A - EPL Monitoring Point 7										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
<b>Quarterly</b>	Ammonia (as N)	mg/L	1.3	1.4	0.86	1.2	2.8	0.02	1.12	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	1600	1500	1300	1300	1200	1400	1150	
	Calcium	mg/L	270	290	280	340	380	340	270	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	8900	7800	8400	7600	7800	7400	7610	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	950	1000	960	1100	940	1200	852	
	Nitrate & Nitrite (as N)	mg/L	0.26	0.05	0.22	0.84	0.05	0.9	0.01	
	Nitrate (as N)	mg/L	0.03	0.02	0.08	0.14	0.02	0.9	0.01	
	Nitrite (as N)	mg/L	0.23	0.03	0.14	0.7	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.05	0.05	0.11	0.2	0.02	0.66	0.1	
	Potassium	mg/L	24	28	23	41	48	27	26	
	Sodium	mg/L	4500	4200	4000	4700	4100	4600	3690	
	Sulphate (as SO4)	mg/L	1800	1700	1500	1400	1700	1700	1630	
	Total Alkalinity (as CaCO3)	mg/L	1600	1500	1300	1300	1200	1400	1150	
	Total Dissolved Solids	mg/L	16000	7000	14000	13000	16000	11000	16000	
	Total Organic Carbon	mg/L	7.7	16	100	5	5	5	4	
	pH	pH	6.2	6.5	6.5	6.6	6.6	N/A	6.5	
	Redox	mV	55.1	25.4	38.6	-56.2	-92.9	N/A	27.6	
	Standing Water Level	mAHD	43.9	43.9	44.0	43.8	43.8	43.8	43.7	
Temperature	°C	19.8	19.4	19.3	20.0	22.1	N/A	19.1		

<b>BH9A - EPL Monitoring Point 7</b>				
<b>Monitoring Frequency</b>	<b>Pollutant</b>	<b>Unit</b>	<b>Aug-20</b>	<b>Aug-21</b>
<b>Yearly</b>	Aluminium	mg/L	0.05	1.38
	Arsenic	mg/L	0.001	0.002
	Barium	mg/L	0.02	0.032
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0003	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.003
	Cobalt	mg/L	0.001	0.002
	Copper	mg/L	0.084	0.007
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.5	0.4
	Lead	mg/L	0.002	0.004
	Manganese	mg/L	0.24	0.333
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.017	0.006
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.0005
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.001	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.1	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.24	0.02	



BH9B - EPL Monitoring Point 8										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.006	0.02	0.03	0.05	0.03	0.02	0.05	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	160	500	200	250	260	290	399	
	Calcium	mg/L	29	91	53	48	64	54	83	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	4000	7200	5300	4300	5600	4200	6410	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	370	980	590	560	700	480	694	
	Nitrate & Nitrite (as N)	mg/L	5.8	0.21	0.62	0.37	0.06	0.05	0.01	
	Nitrate (as N)	mg/L	5.8	0.21	0.6	0.37	0.06	0.04	0.01	
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.14	0.05	0.06	0.01	0.1	0.16	9.01	
	Potassium	mg/L	6.3	15	8.9	12.5	11	8.5	11	
	Sodium	mg/L	1900	3400	2300	2500	2800	2100	2780	
	Sulphate (as SO4)	mg/L	670	1500	850	650	1100	650	997	
	Total Alkalinity (as CaCO3)	mg/L	160	500	200	250	260	290	399	
	Total Dissolved Solids	mg/L	6900	6200	9000	7300	8700	6300	15000	
	Total Organic Carbon	mg/L	27	21	55	5	5	8.2	1	
	pH	pH	5.8	6.1	5.9	6.2	6.2	6.2	5.6	
	Redox	mV	-238.8	91.3	32.5	31.5	44.4	87.6	6.9	
	Standing Water Level	mAHD	48.9	48.3	48.8	49.5	47.1	50.0	46.1	
Temperature	°C	20.6	20.2	19.1	20.5	20.1	20.1	19.4		

<b>BH9B - EPL Monitoring Point 8</b>				
<b>Monitoring Frequency</b>	<b>Pollutant</b>	<b>Unit</b>	<b>Aug-20</b>	<b>Aug-21</b>
<b>Yearly</b>	Aluminium	mg/L	0.05	83
	Arsenic	mg/L	0.001	0.049
	Barium	mg/L	0.04	0.88
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0007	0.0014
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.13
	Cobalt	mg/L	0.007	0.167
	Copper	mg/L	0.074	0.418
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.7	0.3
	Lead	mg/L	0.003	0.244
	Manganese	mg/L	1.3	11.4
	Mercury	mg/L	0.0001	0.0005
	Nickel	mg/L	0.038	0.256
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.0005
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.002	0.1
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.1	0.05
Xylene	mg/L	<0.003	0.002	
Zinc	mg/L	0.24	1.22	

BH10A - EPL Monitoring Point 9											
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21	
Quarterly	Ammonia (as N)	mg/L	0.3	0.25	0.21	0.24	0.49	0.03	0.12		
	Bicarbonate Alkalinity (as CaCO3)	mg/L	1100	1200	1000	1100	1000	1200	1010		
	Calcium	mg/L	310	300	390	340	450	430	304		
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1		
	Chloride	mg/L	11000	9600	10000	9400	8900	9400	8760		
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1		
	Magnesium	mg/L	1100	1000	1300	1200	1400	1300	928		
	Nitrate & Nitrite (as N)	mg/L	0.05	0.05	0.05	0.05	0.05	0.05	0.01		
	Nitrate (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01		
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.03	0.02	0.01		
	Phosphate total (as P)	mg/L	0.05	0.05	0.02	0.01	3.1	0.05	0.06		
	Potassium	mg/L	29	34	34	33	43	36	31		
	Sodium	mg/L	4700	4100	4900	5000	5500	4900	3890		
	Sulphate (as SO4)	mg/L	1500	1200	1200	970	1200	1100	1180		
	Total Alkalinity (as CaCO3)	mg/L	1100	1200	1000	1100	1000	1200	1010		
	Total Dissolved Solids	mg/L	19000	6600	14000	15000	20000	14000	18200		
	Total Organic Carbon	mg/L	5	11	89	5	5	12	3		
	pH	pH		6.2	6.5	6.48	6.6	6.4	6.4	6.3	
	Redox	mV		-391.0	-85.2	-47.7	-59.0	53.9	20.0	74.1	
Standing Water Level	mAHD		43.7	44.2	44.153	44.0	44.0	44.3	43.9		
Temperature	°C		19.2	19.8	19	19.9	19.7	19.2	19.1		

BH10A - EPL Monitoring Point 9				
Monitoring Frequency	Pollutant	Unit	Aug-20	Aug-21
<b>Yearly</b>	Aluminium	mg/L	0.05	0.88
	Arsenic	mg/L	0.002	0.024
	Barium	mg/L	0.04	0.042
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0008	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.002
	Cobalt	mg/L	0.003	0.004
	Copper	mg/L	0.11	0.008
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	1	0.4
	Lead	mg/L	0.006	0.004
	Manganese	mg/L	0.82	0.821
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.016	
	Organochlorine pesticides	mg/L	0.01	0.01
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.002
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.001
	Selenium	mg/L	0.002	0.002
	Toluene	mg/L	0.001	0.01
	Total Petroleum hydrocarbons	mg/L	0.1	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.15	0.033	

BH10B - EPL Monitoring Point 10										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.1	0.1	0.05	0.01	0.01	0.01	0.1	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	1200	1100	840	1200	900	1200	958	
	Calcium	mg/L	210	200	260	270	200	340	255	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	12000	11000	12000	12000	11000	11000	10900	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	1400	1600	2000	2000	1800	2000	1590	
	Nitrate & Nitrite (as N)	mg/L	0.87	1.8	1.1	0.13	0.77	0.18	0.01	
	Nitrate (as N)	mg/L	0.78	1.6	0.98	0.13	0.75	0.18	0.01	
	Nitrite (as N)	mg/L	0.1	0.22	0.13	0.02	0.03	0.02	0.01	
	Phosphate total (as P)	mg/L	0.05	0.05	0.01	0.01	0.02	0.02	0.05	
	Potassium	mg/L	49	60	65	57	58	57	47	
	Sodium	mg/L	5500	5200	4800	6500	6300	6000	4850	
	Sulphate (as SO4)	mg/L	2700	1600	2000	2300	2900	2700	2670	
	Total Alkalinity (as CaCO3)	mg/L	1200	1100	840	1200	900	1200	958	
	Total Dissolved Solids	mg/L	22000	9100	20000	20000	22000	20000	25400	
	Total Organic Carbon	mg/L	7.5	26	71	36	5	5	2	
	pH	pH	6.37	6.34	7.26	6.5	6.5	6.4	6.3	
	Redox	mV	94.4	87.8	-138.6	47.4	59.2	35.4	105.5	
	Standing Water Level	mAHD	43.728	44.348	43.878	44.0	44.0	45.3	44.9	
Temperature	°C	20.2	21.3	18.6	19.1	20.1	19.5	18.4		

BH10B - EPL Monitoring Point 10				
Monitoring Frequency	Pollutant	Unit	Aug-20	Aug-21
Yearly	Aluminium	mg/L	0.05	0.91
	Arsenic	mg/L	0.001	0.015
	Barium	mg/L	0.05	0.048
	Benzene	mg/L	0.001	1
	Benzo(a)pyrene	mg/L	0.001	0.5
	Cadmium	mg/L	0.0009	0.0002
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.003
	Cobalt	mg/L	0.19	0.02
	Copper	mg/L	0.098	0.011
	Ethyl benzene	mg/L	0.001	2
	Fluoride	mg/L	0.9	0.6
	Lead	mg/L	0.002	0.003
	Manganese	mg/L	2.4	1.82
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.044	0.082
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.002	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.01	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.1	0.046	

BH11A - EPL Monitoring Point 11											
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21	
<b>Quarterly</b>	Ammonia (as N)	mg/L	2.2	3	1.5	2.6	2.7	0.53	2.22		
	Bicarbonate Alkalinity (as CaCO3)	mg/L	1100	1200	850	840	840	880	928		
	Calcium	mg/L	420	370	400	420	530	530	436		
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1		
	Chloride	mg/L	13000	10000	13000	22000	11000	11000	10800		
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1		
	Magnesium	mg/L	1300	740	1300	1500	1600	1500	1310		
	Nitrate & Nitrite (as N)	mg/L	0.05	0.05	0.05	0.05	0.05	0.05	0.04		
	Nitrate (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.04		
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01		
	Phosphate total (as P)	mg/L	0.02	0.05	0.02	0.02	0.02	0.02	0.05		
	Potassium	mg/L	36	42	23	34	35	36	33		
	Sodium	mg/L	4900	4100	4800	5800	6200	5400	4610		
	Sulphate (as SO4)	mg/L	1700	330	1500	1500	1900	1700	1710		
	Total Alkalinity (as CaCO3)	mg/L	1100	1200	850	840	840	880	928		
	Total Dissolved Solids	mg/L	25000	13000	20000	17000	23000	16000	23400		
	Total Organic Carbon	mg/L	11	40	110	5	5	28	3		
	pH	pH		6.4	6.5	5.87	6.5	6.6	6.3	6.3	
	Redox	mV		-118	-165.8	-78.2	-76.4	-87.4	-19.3	-35.3	
	Standing Water Level	mAHD		32.268	30.6	30.778	34.2	32.3	36.4	36.3	
Temperature	°C		20	19.1	18.9	19.2	19.6	19.3	18.2		

<b>BH11A - EPL Monitoring Point 11</b>				
<b>Monitoring Frequency</b>	<b>Pollutant</b>	<b>Unit</b>	<b>Aug-20</b>	<b>Aug-21</b>
<b>Yearly</b>	Aluminium	mg/L	0.05	0.28
	Arsenic	mg/L	0.002	0.026
	Barium	mg/L	9	0.064
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0003	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.001
	Cobalt	mg/L	0.03	0.01
	Copper	mg/L	0.03	0.006
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	1	0.8
	Lead	mg/L	0.001	0.001
	Manganese	mg/L	1.2	0.502
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.033	0.072
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.002	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.1	0.05
	Xylene	mg/L	0.003	0.002
	Zinc	mg/L	0.11	0.036



BH11B - EPL Monitoring Point 12											
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21	
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.19	0.22	0.13	0.19	0.17	0.09	0.04		
	Bicarbonate Alkalinity (as CaCO3)	mg/L	87	80	120	60	64	73	62		
	Calcium	mg/L	30	40	62	29	41	56	32		
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1		
	Chloride	mg/L	9700	13000	16000	13000	13000	13000	11000		
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1		
	Magnesium	mg/L	890	1500	2100	1600	2000	1800	1300		
	Nitrate & Nitrite (as N)	mg/L	3.6	0.05	0.05	0.05	0.07	0.07	0.01		
	Nitrate (as N)	mg/L	2.8	0.02	0.02	0.03	0.06	0.07	0.01		
	Nitrite (as N)	mg/L	0.7	0.02	0.02	0.02	0.02	0.02	0.01		
	Phosphate total (as P)	mg/L	0.33	0.05	0.03	0.02	0.03	0.05	0.34		
	Potassium	mg/L	5	9.4	5	3.3	3.3	5	3		
	Sodium	mg/L	3900	5600	5100	6400	8100	6500	4930		
	Sulphate (as SO4)	mg/L	1200	1600	1500	1400	1900	1800	1560		
	Total Alkalinity (as CaCO3)	mg/L	87	80	120	60	64	73	62		
	Total Dissolved Solids	mg/L	16000	8600	17000	19000	24000	12000	23300		
	Total Organic Carbon	mg/L	810	23	27	5	5	12	5		
	pH	pH		5.51	5.38	5.66	5.1	5.3	5.1	5.0	
	Redox	mV		-615.8	101.7	52.8	100.0	97.7	141.0	146.7	
	Standing Water Level	mAHD		42.725	42.865	42.825	43.0	42.9	43.4	43.2	
Temperature	°C		20.7	19.6	18.4	18.8	20.1	19.5	18.3		

<b>BH11B - EPL Monitoring Point 12</b>				
<b>Monitoring Frequency</b>	<b>Pollutant</b>	<b>Unit</b>	<b>Aug-20</b>	<b>Aug-21</b>
<b>Yearly</b>	Aluminium	mg/L	0.05	14.4
	Arsenic	mg/L	0.003	0.346
	Barium	mg/L	0.04	0.08
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.001	0.0004
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.018
	Cobalt	mg/L	0.46	0.465
	Copper	mg/L	0.096	0.035
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.5	0.3
	Lead	mg/L	0.005	0.026
	Manganese	mg/L	9.5	7.8
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.17	0.201
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.017	0.04
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.01	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.26	0.281	

BH12A - EPL Monitoring Point 13										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.96	0.99	0.79	1	1.2	0.25	0.87	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	930	950	810	700	690	870	635	
	Calcium	mg/L	320	330	360	370	480	420	343	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	22000	14000	17000	19000	14000	14000	12400	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	1400	1500	1500	1700	1900	1700	1460	
	Nitrate & Nitrite (as N)	mg/L	0.05	0.05	0.05	0.05	0.05	0.05	0.01	
	Nitrate (as N)	mg/L	0.02	0.04	0.05	0.02	0.02	0.02	0.01	
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	2.4	0.21	0.04	0.29	1.7	0.18	0.08	
	Potassium	mg/L	16	17	14	18	26	17	16	
	Sodium	mg/L	5700	6100	6600	7100	7900	6400	5560	
	Sulphate (as SO4)	mg/L	1300	1300	1200	1000	1300	1100	1180	
	Total Alkalinity (as CaCO3)	mg/L	930	950	810	700	690	870	635	
	Total Dissolved Solids	mg/L	24000	8800	2500	22000	29000	22000	27000	
	Total Organic Carbon	mg/L	140	29	80	5	5	11	1	
	pH	pH	6.37	6.45	6.91	6.5	6.5	6.5	6.4	
	Redox	mV	-6.5	-9.4	-161.6	-13.7	-36.2	255.0	-2.3	
	Standing Water Level	mAHD	39.297	39.777	39.707	39.8	39.7	40.2	40.3	
Temperature	°C	19.5	18.5	15.8	19.2	19.3	18.8	18.4		

BH12A - EPL Monitoring Point 13				
Monitoring Frequency	Pollutant	Unit	Aug-20	Aug-21
<b>Yearly</b>	Aluminium	mg/L	0.05	2.68
	Arsenic	mg/L	0.001	0.044
	Barium	mg/L	0.04	0.101
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0003	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.004
	Cobalt	mg/L	0.015	0.018
	Copper	mg/L	0.043	0.023
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.05	0.3
	Lead	mg/L	0.001	0.009
	Manganese	mg/L	1.4	1.27
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.027	0.025
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.002	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	<0.1	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.067	0.058	

BH12B - EPL Monitoring Point 14											
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21	
Quarterly	Ammonia (as N)	mg/L	0.05	0.04	0.01	0.02	0.03	0.05	0.01		
	Bicarbonate Alkalinity (as CaCO3)	mg/L	380	630	540	630	770	890	739		
	Calcium	mg/L	120	150	140	210	190	160	179		
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1		
	Chloride	mg/L	470	300	100	75	89	640	156		
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	20	1	
	Magnesium	mg/L	45	42	38	47	48	96	50		
	Nitrate & Nitrite (as N)	mg/L	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.01	
	Nitrate (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.08	0.05	0.02	0.03	0.02	0.12	0.08		
	Potassium	mg/L	5	2.6	5	12.5	2.5	5	2		
	Sodium	mg/L	300	210	97	150	150	420	146		
	Sulphate (as SO4)	mg/L	340	150	130	100	160	130	162		
	Total Alkalinity (as CaCO3)	mg/L	380	630	540	630	770	890	739		
	Total Dissolved Solids	mg/L	1700	7900	790	960	1100	1700	1220		
	Total Organic Carbon	mg/L	370	32	47	5	10	18	12		
	pH	pH	6.64	6.6	6.91	6.9	6.7	6.4	5.9		
	Redox	mV	-518	-125.8	-161.6	-97.8	-3.3	-81.3	7.8		
Standing Water Level	mAHD	45.0	47.9	48.4	48.6	46.8	48.5	49.1			
Temperature	°C	19.4	16.6	15.8	18.1	19.1	18.1	18.8			

<b>BH12B - EPL Monitoring Point 14</b>				
<b>Monitoring Frequency</b>	<b>Pollutant</b>	<b>Unit</b>	<b>Aug-20</b>	<b>Aug-21</b>
<b>Yearly</b>	Aluminium	mg/L	0.05	2.89
	Arsenic	mg/L	0.002	0.004
	Barium	mg/L	0.07	0.101
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0002	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.004
	Cobalt	mg/L	0.004	0.016
	Copper	mg/L	0.095	0.015
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.6	0.2
	Lead	mg/L	0.001	0.008
	Manganese	mg/L	1.2	2.47
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.012	0.019
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.001	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.01	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.072	0.054	

BH13A - EPL Monitoring Point 15										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.21	0.46	0.29	0.39	0.55	0.32	0.36	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	690	630	500	600	460	560	504	
	Calcium	mg/L	270	270	250	270	310	390	221	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	15000	14000	14000	27000	11000	12000	10800	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	1100	1100	970	1200	1200	1400	950	
	Nitrate & Nitrite (as N)	mg/L	1	0.05	0.18	0.03	0.16	0.05	0.03	
	Nitrate (as N)	mg/L	0.72	0.03	0.13	0.09	0.1	0.02	0.03	
	Nitrite (as N)	mg/L	0.32	0.03	0.06	0.21	0.06	0.02	0.01	
	Phosphate total (as P)	mg/L	2	1.8	0.42	0.46	0.02	0.47	2.34	
	Potassium	mg/L	16	16	10	16	17	23	10	
	Sodium	mg/L	5300	5400	4600	6000	6100	6500	4830	
	Sulphate (as SO4)	mg/L	370	400	300	300	380	370	361	
	Total Alkalinity (as CaCO3)	mg/L	690	630	500	600	460	560	504	
	Total Dissolved Solids	mg/L	24000	17000	17000	17000	22000	15000	20400	
	Total Organic Carbon	mg/L	5	22	14	5	5	5.3	3	
	pH	pH	5.98	6.3	6.55	6.4	6.3	6.3	5.6	
	Redox	mV	54.4	13.9	-50.5	4.5	48.8	-17.1	121.8	
	Standing Water Level	mAHD	34.744	35.144	35.582	35.4	35.3	35.4	35.1	
Temperature	°C	19.3	18.3	18.6	19.1	19.2	19.3	18.5		

BH13A - EPL Monitoring Point 15				
Monitoring Frequency	Pollutant	Unit	Aug-20	Aug-21
Yearly	Aluminium	mg/L	0.05	27.8
	Arsenic	mg/L	0.001	0.094
	Barium	mg/L	0.13	0.683
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0003	0.0005
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.059
	Cobalt	mg/L	0.02	0.124
	Copper	mg/L	0.075	0.292
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.6	0.2
	Lead	mg/L	0.002	0.167
	Manganese	mg/L	4.5	8.35
	Mercury	mg/L	0.0001	0.0003
	Nickel	mg/L	0.021	0.142
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.002	0.03
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.1	0.05
	Xylene	mg/L	0.003	0.002
Zinc	mg/L	0.11	0.572	



BH13B – EPL Monitoring Point 16										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.01	0.02	0.01	0.01	0.02	0.02	0.01	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	26	44	20	20	20	20	5	
	Calcium	mg/L	5	4.6	5	12.5	1.8	11	2	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	1200	710	490	690	920	810	611	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	47	29	14	23	34	50	21	
	Nitrate & Nitrite (as N)	mg/L	1.1	1.4	1.6	1.4	0.66	0.82	1.2	
	Nitrate (as N)	mg/L	1.1	1.4	1.6	1.4	0.66	0.82	1.2	
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.03	0.05	0.02	0.02	0.02	0.04	0.07	
	Potassium	mg/L	5	1.4	5	12.5	0.7	5	1	
	Sodium	mg/L	660	480	300	470	600	530	365	
	Sulphate (as SO4)	mg/L	150	130	120	140	150	140	148	
	Total Alkalinity (as CaCO3)	mg/L	26	44	20	20	20	20	5	
	Total Dissolved Solids	mg/L	2300	1000	960	1300	1000	1700	1260	
	Total Organic Carbon	mg/L	21	5	5	5	5	5	3	
	pH	pH	5.59	5.17	5.18	4.7	4.8	4.7	4.1	
	Redox	mV	198.7	185.4	29.4	148.2	134.1	281.4	398.6	
Standing Water Level	mAHD	32.977	40.427	39.927	39.6	39.2	40.7	40.6		
Temperature	°C	22.1	15.9	17.5	18.2	19.1	19.3	16.4		

BH13B - EPL Monitoring Point 16				
Monitoring Frequency	Pollutant	Unit	Aug-20	Aug-21
<b>Yearly</b>	Aluminium	mg/L	0.13	1.56
	Arsenic	mg/L	0.001	0.009
	Barium	mg/L	0.04	0.051
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0002	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.003
	Cobalt	mg/L	0.009	0.013
	Copper	mg/L	0.078	0.007
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.5	0.1
	Lead	mg/L	0.004	0.004
	Manganese	mg/L	0.25	0.224
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.014	0.02
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.001	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.12	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.12	0.077	

BH14A - EPL Monitoring Point 17										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
Quarterly	Ammonia (as N)	mg/L	0.48	0.46	1.4	0.3	0.37	0.6	0.3	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	1400	1400	1100	1200	1100	1200	988	
	Calcium	mg/L	240	250	270	250	240	380	236	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	8400	6900	8700	7600	7000	6900	6960	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	790	780	800	940	780	1100	678	
	Nitrate & Nitrite (as N)	mg/L	0.05	0.05	0.05	0.08	0.05	0.05	0.03	
	Nitrate (as N)	mg/L	0.02	0.04	0.05	0.08	0.02	0.02	0.03	
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.05	0.05	0.89	0.02	0.01	0.08	0.05	
	Potassium	mg/L	26	30	35	31	26	38	26	
	Sodium	mg/L	3700	3300	3500	4400	3600	4800	3260	
	Sulphate (as SO4)	mg/L	790	680	680	600	800	680	657	
	Total Alkalinity (as CaCO3)	mg/L	1400	1400	1100	1200	1100	1200	988	
	Total Dissolved Solids	mg/L	16000	7300	12000	15000	12000	14000	14100	
	Total Organic Carbon	mg/L	30	5	120	5	6	5	3	
	pH	pH	6.37	6.42	6.61	6.6	6.6	6.6	5.9	
	Redox	mV	25.8	51.8	-180.5	21.8	24.7	-6.1	108.7	
Standing Water Level	mAHD	40.018	39.608	40.088	40.2	40.1	40.4	40.1		
Temperature	°C	20.6	20.6	18.5	19.9	20.3	19.6	19.3		

BH14A - EPL Monitoring Point 17				
Monitoring Frequency	Pollutant	Unit	Aug-20	Aug-21
Yearly	Aluminium	mg/L	0.05	0.26
	Arsenic	mg/L	0.001	0.001
	Barium	mg/L	0.08	0.043
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0002	0.0001
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.001
	Cobalt	mg/L	0.003	0.002
	Copper	mg/L	0.058	0.04
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.5	0.2
	Lead	mg/L	0.001	0.001
	Manganese	mg/L	0.42	0.458
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.048	0.018
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.001	0.01
	Toluene	mg/L	0.001	0.002
Total Petroleum hydrocarbons	mg/L	0.3	0.05	
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.13	0.029	

BH14B - EPL Monitoring Point 18										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
<b>Quarterly</b>	Ammonia (as N)	mg/L	0.01	0.04	0.03	0.04	0.05	0.02	0.1	
	Bicarbonate Alkalinity (as CaCO3)	mg/L	630	480	380	570	240	93	518	
	Calcium	mg/L	120	110	92	130	79	86	115	
	Carbonate Alkalinity (as CaCO3)	mg/L	10	10	10	10	10	10	1	
	Chloride	mg/L	10000	9600	8800	11000	8800	10000	8910	
	Hydroxide Alkalinity (as CaCO3)	mg/L	20	20	20	20	20	20	1	
	Magnesium	mg/L	760	730	4.3	850	690	940	718	
	Nitrate & Nitrite (as N)	mg/L	0.21	0.1	0.05	0.05	0.05	0.05	0.01	
	Nitrate (as N)	mg/L	0.21	0.1	0.03	0.02	0.02	0.02	0.01	
	Nitrite (as N)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
	Phosphate total (as P)	mg/L	0.05	0.05	0.02	0.02	0.04	0.05	0.18	
	Potassium	mg/L	5.9	6.3	5	12.5	5.3	6.7	5	
	Sodium	mg/L	5300	4600	660	5100	4600	5600	4370	
	Sulphate (as SO4)	mg/L	850	870	3800	600	740	510	700	
	Total Alkalinity (as CaCO3)	mg/L	630	480	380	570	240	93	518	
	Total Dissolved Solids	mg/L	16000	9500	14000	18000	17000	11000	18000	
	Total Organic Carbon	mg/L	6.2	26	58	5	5	5	4	
	pH	pH	5.99	5.95	6.17	6.1	5.9	5.4	5.7	
	Redox	mV	56	92.1	-32.6	45.3	46.7	206.8	162.3	
	Standing Water Level	mAHD	38.943	38.673	38.603	39.4	38.9	40.0	40.0	
Temperature	°C	22.2	22.7	18.6	19.7	20.5	19.9	17.5		

<b>BH14B - EPL Monitoring Point 18</b>				
<b>Monitoring Frequency</b>	<b>Pollutant</b>	<b>Unit</b>	<b>Aug-20</b>	<b>Aug-21</b>
<b>Yearly</b>	Aluminium	mg/L	0.05	5.53
	Arsenic	mg/L	0.001	0.002
	Barium	mg/L	0.1	0.072
	Benzene	mg/L	0.001	0.001
	Benzo(a)pyrene	mg/L	0.001	0.0005
	Cadmium	mg/L	0.0005	0.0002
	Chromium (hexavalent)	mg/L	0.005	0.01
	Chromium (total)	mg/L	0.001	0.009
	Cobalt	mg/L	0.12	0.117
	Copper	mg/L	0.071	0.067
	Ethyl benzene	mg/L	0.001	0.002
	Fluoride	mg/L	0.6	0.7
	Lead	mg/L	0.004	0.009
	Manganese	mg/L	570	4.75
	Mercury	mg/L	0.0001	0.0001
	Nickel	mg/L	0.08	0.163
	Organochlorine pesticides	mg/L	0.01	0.002
	Organophosphate pesticides	mg/L	0.02	0.002
	PAHs	mg/L	0.001	0.001
	PCBs	mg/L	0.001	0.001
	Phenols	mg/L	0.1	0.002
	Selenium	mg/L	0.002	0.01
	Toluene	mg/L	0.001	0.002
	Total Petroleum hydrocarbons	mg/L	0.1	0.05
Xylene	mg/L	0.003	0.002	
Zinc	mg/L	0.15	0.801	

Leachate sump riser - EPL monitoring point 20										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
Quarterly	Electroconductivity	ms/cm	1419	5554	4809	4971	4632	Not Accessible	Not Accessible	
	pH	pH	7.29	8.15	7.15	8.08	7.8	Not Accessible	Not Accessible	
	Standing Water Level	mAHD	27.76	26.62	26.8	27.71	28.36	Not Accessible	Not Accessible	

Leachate Dam Entry - EPL monitoring point 21										
Monitoring Frequency	Pollutant	Unit	Feb-20	May-20	Aug-20	Nov-20	Feb-21	May-21	Aug-21	Nov-21
Quarterly	Electroconductivity	ms/cm	1537	3014	3248	3870	3759	2938	Result to be verified	
	pH	pH	7.94	7.62	7.68	8.25	8.25	7.73	8.7	
	Standing Water Level	mAHD	45.6	48.1	49.1	48.78	48.75	49.05	49.0	



**Leachate Annual Monitoring**

Monitoring Frequency - Annual

Pollutant	Unit	08/2020 Sump riser - EPL MP20	1/08/2020 dam entry - EPL MP21	08/2021 Sump riser - EPL MP20	08/2021 dam entry - EPL MP21
Alkalinity (as CaCO3)	mg/L	1300	1200	Not Accessible	596
Aluminium	mg/L	0.05	0.05	Not Accessible	0.17
Arsenic	mg/L	0.007	0.01	Not Accessible	0.009
Barium	mg/L	0.34	0.2	Not Accessible	0.131
Benzene	mg/L	0.0001	0.001	Not Accessible	0.001
Bicarbonate Alkalinity (as CaCO3)	mg/L	1300	1200	Not Accessible	583
Biochemical Oxygen Demand	mg/L	110	160	Not Accessible	6
Cadmium	mg/L	0.0003	0.0003	Not Accessible	<0.0001
Calcium	mg/L	150	100	Not Accessible	75
Chemical Oxygen Demand	mg/L	420	640	Not Accessible	257
Chloride	mg/L	1000	590	Not Accessible	608
Chromium (hexavalent)	mg/L	0.075	0.075	Not Accessible	<0.10
Chromium (total)	mg/L	0.023	0.03	Not Accessible	0.020
Cobalt	mg/L	0.002	0.03	Not Accessible	0.003
Copper	mg/L	0.037	0.094	Not Accessible	0.007
Ethyl benzene	mg/L	0.007	0.001	Not Accessible	0.002
Fluoride	mg/L	0.8	0.6	Not Accessible	0.2
Lead	mg/L	0.003	0.006	Not Accessible	0.001
Magnesium	mg/L	91	72	Not Accessible	77
Manganese	mg/L	0.51	0.18	Not Accessible	0.037
Mercury	mg/L	0.0001	0.0001	Not Accessible	<0.0001
Nickel	mg/L	0.022	0.025	Not Accessible	0.018
Nitrate	mg/L	0.1	0.2	Not Accessible	37.8
Nitrite (as N)	mg/L	0.1	0.2	Not Accessible	0.42
Organochlorine pesticides	mg/L	0.01	0.01	Not Accessible	0.002
Organophosphate pesticides	mg/L	0.02	0.02	Not Accessible	0.002
Phenols	mg/L	0.1	0.01	Not Accessible	0.002
Phosphate total (as P)	mg/L	0.29	0.5	Not Accessible	N/A
Phosphorus (total as P)	Mg/L			Not Accessible	0.38
Polycyclic aromatic hydrocarbons (PAH)	mg/L	0.001	0.001	Not Accessible	0.0005
Potassium	mg/L	48	61	Not Accessible	71
Sodium	mg/L	600	390	Not Accessible	440
Sulphate (as SO4)	mg/L	120	95	Not Accessible	115
Toluene	mg/L	0.007	0.004	Not Accessible	0.002
Total Dissolved Solids	mg/L	2600	1900	Not Accessible	2010
Total Organic Carbon	mg/L	110	250	Not Accessible	92
Total Petroleum hydrocarbons	mg/L	4.5	6.9	Not Accessible	0.51
Total Suspended Solids	mg/L	39	77	Not Accessible	18
Xylene	mg/L	0.02	0.007	Not Accessible	<2
Zinc	mg/L	0.081	0.12	Not Accessible	0.081



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