

Glenfield Waste Services Landfill Facility

EPL 4614 — Annual Return Monitoring Data Summary — 2025-2026 Licence Year

Discharge and Monitoring Point 1 — Dam B1 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.01	pH units	3	3	7.5	7.66667	7.8
Conductivity	1	uS/cm	3	3	430	450	480
Ammonia	0.01	mg/L	3	3	0.02	0.0603333	0.097
Total Suspended Solids carbon	1	mg/L	3	3	92	117.333	160
Total Organic Carbon	1	mg/L	3	3	13	16.6667	23

Discharge and Monitoring Point 2 — Dam B7 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.01	pH units	0	0	The Dam did not overflow and there was no discharge		
Conductivity	1	uS/cm	0	0			
Ammonia	0.01	mg/L	0	0			
Total Suspended Solids carbon	1	mg/L	0	0			
Total Organic Carbon	1	mg/L	0	0			

Monitoring Point 3 — LP001A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.79	7.385	7.74
Electrical Conductivity (field)	1	uS/cm	0	4	9519	16433.2	32994
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.07	0.42	1.2
Redox (field)	0.1	mV	0	4	-125.8	-60.775	-22.1
Temperature (field)	0.1	deg c	0	4	26.1	32.95	36.7
Standing Leachate Level	0.1	m	1	4	13	13.675	14.5
Approx. Leachate Elevation	0.01	m AHD	1	4	1.85	2.675	3.35
pH (lab)	0.1	pH units	1	4	7.4	7.85	8.2
Electrical Conductivity (lab)	1	uS/cm	4	4	8000	11500	16000
Ammonia(N)	0.01	mg/L	1	4	210	307.5	460
Chloride	1	mg/L	1	4	1500	2350	3900
Sulphate (S)	1	mg/L	1	4	710	837.5	980

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Fluoride	0.1	mg/L	1	4	BDL	0.45	0.5
Total Alkalinity as CaCO3	1	mg/L	1	4	1800	2300	2700
Calcium	1	mg/L	1	4	100	162.5	310
Magnesium	1	mg/L	1	4	190	262.5	440
Potassium	1	mg/L	1	4	200	247.5	280
Sodium	1	mg/L	1	4	1100	1225	1500
Phosphate	0.1	mg/L	1	3	BDL	0.0925	0.094
Total Phosphorous	0.05	mg/L	1	3	BDL	3.15	3.3
Total Organic Carbon	0.02	mg/L	1	4	69	222.25	390
Total Kjeldahl Nitrogen	1	mg/L	0	4	260	370	490
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.0565	0.083
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.0686667	0.17
Total Dissolved Solids	5	mg/L	1	2	3300	5850	8400
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	81	81	81
Arsenic (filtered)	0.001	mg/L	1	1	0.026	0.026	0.026
Barium (filtered)	0.02	mg/L	1	1	0.68	0.68	0.68
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.16	0.16	0.16
Cobalt (filtered)	0.001	mg/L	1	1	0.025	0.025	0.025
Copper (filtered)	0.001	mg/L	1	1	0.17	0.17	0.17
Lead (filtered)	0.001	mg/L	1	1	0.1	0.1	0.1
Manganese (filtered)	0.005	mg/L	1	1	1.5	1.5	1.5
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	6.2	6.2	6.2
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	5.29	5.29	5.29
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.79	0.79	0.79

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C16 - C34 (F3)	0.1	mg/L	1	1	4.1	4.1	4.1
TRH C34 - C40 (F4)	0.1	mg/L	1	1	0.4	0.4	0.4
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 4 — LP003

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.65	7.85	8.17
Electrical Conductivity (field)	1	uS/cm	0	4	2483	6513	16100
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.14	1.0575	3.62
Redox (field)	0.1	mV	0	4	-79	-39.625	8.1
Temperature (field)	0.1	deg c	0	4	22.6	27.325	30.5
Standing Leachate Level	0.1	m	1	3	15.5	15.7	16
Approx. Leachate Elevation	0.01	m AHD	1	3	-0.71	-0.41	-0.21
pH (lab)	0.1	pH units	1	4	8	8.125	8.2
Electrical Conductivity (lab)	1	uS/cm	4	4	1900	2850	4400
Ammonia(N)	0.01	mg/L	1	4	18	34.5	63
Chloride	1	mg/L	1	4	170	360	570
Sulphate (S)	1	mg/L	1	4	89	137.25	170
Fluoride	0.1	mg/L	1	4	BDL	0.5	0.6
Total Alkalinity as CaCO3	1	mg/L	1	4	560	910	1400
Calcium	1	mg/L	1	4	51	62.5	86
Magnesium	1	mg/L	1	4	42	70.5	100
Potassium	1	mg/L	1	4	24	44.75	73
Sodium	1	mg/L	1	4	310	462.5	740
Phosphate	0.1	mg/L	1	3	0.02	0.0233333	0.03
Total Phosphorous	0.05	mg/L	1	3	BDL	0.235	0.4
Total Organic Carbon	0.02	mg/L	1	4	9.2	52.55	110
Total Kjeldahl Nitrogen	1	mg/L	0	4	18	44.75	92
Nitrate (as N)	0.01	mg/L	1	4	0.46	5.665	9.5
Nitrite (as N)	0.1	mg/L	1	4	0.05	0.205	0.28
Total Dissolved Solids	5	mg/L	1	2	1200	1450	1700

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.49	0.49	0.49
Arsenic (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Barium (filtered)	0.02	mg/L	1	1	0.56	0.56	0.56
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.004	0.004	0.004
Cobalt (filtered)	0.001	mg/L	1	1	0.006	0.006	0.006
Copper (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.49	0.49	0.49
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.067	0.067	0.067
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	1.1	1.1	1.1
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.8	0.8	0.8
TRH C34 - C40 (F4)	0.1	mg/L	1	1	0.3	0.3	0.3
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 5 — LP002

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.95	7.1625	7.54
Electrical Conductivity (field)	1	uS/cm	0	4	2296	4406.75	8085
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.16	0.7575	2.24
Redox (field)	0.1	mV	0	4	-170	-55.175	-2.1
Temperature (field)	0.1	deg c	0	4	25.5	29.5	32.1

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Leachate Level	0.1	m	1	4	18.9	20.1	23
Approx. Leachate Elevation	0.01	m AHD	1	4	-4.73	-1.83	-0.63
pH (lab)	0.1	pH units	1	4	7.2	7.575	7.8
Electrical Conductivity (lab)	1	uS/cm	4	4	1800	2725	3400
Ammonia(N)	0.01	mg/L	1	4	97	114.25	140
Chloride	1	mg/L	1	4	150	190	250
Sulphate (S)	1	mg/L	1	4	620	852.5	1200
Fluoride	0.1	mg/L	1	4	BDL	0.35	0.4
Total Alkalinity as CaCO3	1	mg/L	1	4	210	427.5	580
Calcium	1	mg/L	1	4	200	247.5	310
Magnesium	1	mg/L	1	4	39	45.25	55
Potassium	1	mg/L	1	4	34	45.25	58
Sodium	1	mg/L	1	4	130	172.5	230
Phosphate	0.1	mg/L	1	3	BDL	BDL	BDL
Total Phosphorous	0.05	mg/L	1	3	BDL	0.2	0.2
Total Organic Carbon	0.02	mg/L	1	4	19	33.25	62
Total Kjeldahl Nitrogen	1	mg/L	0	4	100	122.5	160
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.48	0.48
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.02	0.02
Total Dissolved Solids	5	mg/L	1	2	1600	1800	2000
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.85	0.85	0.85
Arsenic (filtered)	0.001	mg/L	1	1	0.022	0.022	0.022
Barium (filtered)	0.02	mg/L	1	1	0.1	0.1	0.1
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.008	0.008	0.008
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Copper (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Lead (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Manganese (filtered)	0.005	mg/L	1	1	1.6	1.6	1.6
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.048	0.048	0.048

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	1.29	1.29	1.29
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.89	0.89	0.89
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.4	0.4	0.4
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 6 — BH8A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.63	4.78	4.89
Standing Water Elevation	0.01	m AHD	0	4	8.9	9.01	9.16
pH (field)	0.01	pH units	0	4	5.65	6.45	6.95
Electrical Conductivity (field)	1	uS/cm	0	4	960	1351.25	1695
Dissolved Oxygen (field)	0.01	mg/L	0	3	0.1	4.85	8.71
Redox (field)	0.1	mV	0	4	-100.3	-17.075	22.9
Temperature (field)	0.1	deg c	0	4	19.7	20.325	21.2
Ammonia(N)	0.01	mg/L	4	4	0.61	2.4275	4.9
Chloride	1	mg/L	4	4	85	161.25	270
pH	0.1	pH units	4	4	6.5	6.8375	7.1
Sulphate (S)	5	mg/L	4	4	5.2	40.05	120
Total Dissolved Solids	10	mg/L	4	4	520	582.5	640
Total Organic Carbon	5	mg/L	4	4	4	13.5	32
Total Alkalinity as CaCO3	20	mg/L	4	4	220	245	280
Calcium	0.5	mg/L	4	4	18	33.75	48
Magnesium	0.5	mg/L	4	4	14	28.25	35
Potassium	0.5	mg/L	4	4	5.2	7.125	8.3
Sodium	0.5	mg/L	4	4	80	135	180

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	0.03	0.055	0.08
Nitrite (as N)	0.02	mg/L	1	2	BDL	0.1	0.1
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.28	0.28	0.28
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	2	2	2
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.008	0.0385	0.069
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 7 — BH1B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	8.87	8.945	9
Standing Water Elevation	0.01	m AHD	0	4	4.32	4.375	4.45

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.02	7.125	7.2
Electrical Conductivity (field)	1	uS/cm	0	4	1889	2154.75	2451
Dissolved Oxygen (field)	0.01	mg/L	0	2	0.06	2.2	4.34
Redox (field)	0.1	mV	0	4	-238	-40.6	118.3
Temperature (field)	0.1	deg c	0	4	18.3	18.85	20.2
Ammonia(N)	0.01	mg/L	4	4	0.04	1.13	2.2
Chloride	1	mg/L	4	4	310	462.5	820
pH	0.1	pH units	4	4	7.16	7.715	8.1
Sulphate (S)	5	mg/L	4	4	BDL	9.7	9.7
Total Dissolved Solids	10	mg/L	4	4	640	967.5	1300
Total Organic Carbon	5	mg/L	4	4	BDL	8	20
Total Alkalinity as CaCO3	20	mg/L	4	4	260	305	330
Calcium	0.5	mg/L	4	4	23	40.75	61
Magnesium	0.5	mg/L	4	4	8.4	18.1	35
Potassium	0.5	mg/L	4	4	6.2	10.825	18
Sodium	0.5	mg/L	4	4	210	355	520
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.38	0.38
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	7.3	7.3	7.3
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	0.002	0.002
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.037	0.037	0.037
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.008	0.0325	0.057
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 8 — BH7B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	8.11	8.8375	9.45
Standing Water Elevation	0.01	m AHD	0	4	-0.45	0.1625	0.89
pH (field)	0.01	pH units	0	4	6.14	6.3675	6.68
Electrical Conductivity (field)	1	uS/cm	0	4	2357	2737	3395
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.06	2.4475	7.68
Redox (field)	0.1	mV	0	4	-216	-72.975	23.5
Temperature (field)	0.1	deg c	0	4	17.1	19.775	22.4
Ammonia(N)	0.01	mg/L	4	4	0.41	0.52	0.77
Chloride	1	mg/L	4	4	440	525	680
pH	0.1	pH units	4	4	6.34	6.985	7.7
Sulphate (S)	5	mg/L	4	4	30	47	76
Total Dissolved Solids	10	mg/L	4	4	870	1217.5	1400
Total Organic Carbon	5	mg/L	4	4	BDL	13	32
Total Alkalinity as CaCO3	20	mg/L	4	4	260	335	390
Calcium	0.5	mg/L	4	4	31	36.75	42
Magnesium	0.5	mg/L	4	4	37	47.25	60
Potassium	0.5	mg/L	4	4	10	12	16
Sodium	0.5	mg/L	4	4	260	380	530
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.09	0.09	0.09
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.83	0.83	0.83
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.2	1.2	1.2
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.008	0.014	0.02
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	0.02	0.02
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 10 — BH9A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	6.68	7.295	8.1
Standing Water Elevation	0.01	m AHD	0	4	1.09	1.895	2.51
pH (field)	0.01	pH units	0	4	5.64	6.995	8.73

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Electrical Conductivity (field)	1	uS/cm	0	4	1914	2508	3662
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.1	1.17	3.34
Redox (field)	0.1	mV	0	4	-158	-43.45	84.6
Temperature (field)	0.1	deg c	0	4	18.7	19.775	21.1
Ammonia(N)	0.01	mg/L	4	4	3.8	7.875	10
Chloride	1	mg/L	4	4	290	365	460
pH	0.1	pH units	4	4	6.2	6.895	7.4
Sulphate (S)	5	mg/L	4	4	23	40.5	54
Total Dissolved Solids	10	mg/L	4	4	1000	1150	1500
Total Organic Carbon	5	mg/L	4	4	BDL	28.6667	66
Total Alkalinity as CaCO3	20	mg/L	4	4	460	535	680
Calcium	0.5	mg/L	4	4	31	38.25	45
Magnesium	0.5	mg/L	4	4	46	54.5	61
Potassium	0.5	mg/L	4	4	17	20	24
Sodium	0.5	mg/L	4	4	270	337.5	410
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	0.03	0.345	0.66
Nitrite (as N)	0.02	mg/L	1	2	0.03	0.09	0.15
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	1	1	1
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	0.005	0.005
Lead (filtered)	0.001	mg/L	1	2	BDL	0.001	0.001
Manganese (filtered)	0.005	mg/L	1	1	0.44	0.44	0.44
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.1	0.175	0.25
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 11 — BH10D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.55	3.835	4.16
Standing Water Elevation	0.01	m AHD	0	4	2.01	2.335	2.62
pH (field)	0.01	pH units	0	4	6.62	6.83	6.91
Electrical Conductivity (field)	1	uS/cm	0	4	1562	6937	12627
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.1	0.54	1.47
Redox (field)	0.1	mV	0	4	-74.4	-30.875	-7
Temperature (field)	0.1	deg c	0	4	18.4	20.45	23.5
Ammonia(N)	0.01	mg/L	4	4	3.1	6.475	8.5
Chloride	1	mg/L	4	4	320	1530	2200
pH	0.1	pH units	4	4	6.8	7.0475	7.6
Sulphate (S)	5	mg/L	4	4	BDL	18.3333	20
Total Dissolved Solids	10	mg/L	4	4	950	2787.5	3700
Total Organic Carbon	5	mg/L	4	4	BDL	25.6667	60
Total Alkalinity as CaCO3	20	mg/L	4	4	340	602.5	710
Calcium	0.5	mg/L	4	4	35	81.25	110
Magnesium	0.5	mg/L	4	4	50	112.5	140
Potassium	0.5	mg/L	4	4	15	21.75	26
Sodium	0.5	mg/L	4	4	180	912.5	1300
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	0.6	0.6

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Nitrate (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	8.6	8.6	8.6
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.5	1.5	1.5
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.016	0.0215	0.027
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 12 — BH13D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	11.85	12.0525	12.4
Standing Water Elevation	0.01	m AHD	0	4	2.42	2.7675	2.97
pH (field)	0.01	pH units	0	4	5.9	6.57	7
Electrical Conductivity (field)	1	uS/cm	0	4	1380	2195	3352

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.1	0.705	1.67
Redox (field)	0.1	mV	0	4	-67	-28.55	-11.6
Temperature (field)	0.1	deg c	0	4	18.6	20.05	21.1
Ammonia(N)	0.01	mg/L	4	4	0.19	0.8	2.3
Chloride	1	mg/L	4	4	330	397.5	440
pH	0.1	pH units	4	4	6.41	6.8275	7.2
Sulphate (S)	5	mg/L	4	4	12	21.5	40
Total Dissolved Solids	10	mg/L	4	4	770	1017.5	1200
Total Organic Carbon	5	mg/L	4	4	3	10.925	30
Total Alkalinity as CaCO3	20	mg/L	4	4	170	227.5	280
Calcium	0.5	mg/L	4	4	34	38.5	45
Magnesium	0.5	mg/L	4	4	52	59.25	71
Potassium	0.5	mg/L	4	4	4.6	7.025	9.2
Sodium	0.5	mg/L	4	4	190	235	300
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.06	0.06
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.58	0.58	0.58
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	0.002	0.002
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.4	1.4	1.4
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.024	0.039	0.054
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 13 — BH15S

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.47	5.55	5.6
Standing Water Elevation	0.01	m AHD	0	4	2.9	2.95	3.03
pH (field)	0.01	pH units	0	4	6.6	6.8875	7.04
Electrical Conductivity (field)	1	uS/cm	0	4	3259	4889.5	8143
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.12	1.4525	4.22
Redox (field)	0.1	mV	0	4	-120.3	-24.35	73.7
Temperature (field)	0.1	deg c	0	4	18.8	20.6	23.9
Ammonia(N)	0.01	mg/L	4	4	70	157.5	190
Chloride	1	mg/L	4	4	430	570	690
pH	0.1	pH units	4	4	6.88	7.295	7.8
Sulphate (S)	5	mg/L	4	4	BDL	3	7
Total Dissolved Solids	10	mg/L	4	4	1300	1925	2800
Total Organic Carbon	5	mg/L	4	4	43	129	250
Total Alkalinity as CaCO3	20	mg/L	4	4	1200	1300	1400
Calcium	0.5	mg/L	4	4	32	34.25	35
Magnesium	0.5	mg/L	4	4	83	86	94
Potassium	0.5	mg/L	4	4	83	91.25	100
Sodium	0.5	mg/L	4	4	400	435	500
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	0.13	0.165	0.2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Nitrite (as N)	0.02	mg/L	1	2	BDL	0.03	0.03
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	0.004	0.0095	0.015
Barium (filtered)	0.02	mg/L	1	1	0.52	0.52	0.52
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	0.005	0.0055	0.006
Cobalt (filtered)	0.001	mg/L	1	1	0.004	0.004	0.004
Copper (filtered)	0.001	mg/L	1	2	BDL	0.003	0.003
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.12	0.12	0.12
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.01	0.012	0.014
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	2.35	2.35
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	0.02	0.02
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	0.53	0.53
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	1.8	1.8
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 14 — BH11

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.1	3.47	3.85
Standing Water Elevation	0.01	m AHD	0	4	20.31	20.69	21.06
pH (field)	0.01	pH units	0	4	6.09	6.4975	6.81
Electrical Conductivity (field)	1	uS/cm	0	4	15850	22299.2	36287
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.1	0.475	1.03

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Redox (field)	0.1	mV	0	4	-152	-50.35	7.6
Temperature (field)	0.1	deg c	0	4	18.2	19.3275	20.5
Ammonia(N)	0.01	mg/L	4	4	0.16	0.4075	1
Chloride	1	mg/L	4	4	4700	6225	7600
pH	0.1	pH units	4	4	6.3	6.8375	7.4
Sulphate (S)	5	mg/L	4	4	320	392.5	460
Total Dissolved Solids	10	mg/L	4	4	8500	11375	16000
Total Organic Carbon	5	mg/L	4	4	7	34	99
Total Alkalinity as CaCO3	20	mg/L	4	4	780	855	920
Calcium	0.5	mg/L	4	4	47	65	76
Magnesium	0.5	mg/L	4	4	560	772.5	880
Potassium	0.5	mg/L	4	4	36	44.5	49
Sodium	0.5	mg/L	4	4	2200	2750	3300
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	1	1.1	1.2
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.19	0.19
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	0.002	0.002
Barium (filtered)	0.02	mg/L	1	1	0.17	0.17	0.17
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	2.5	2.5	2.5
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.007	0.037	0.067
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 15 — BH9B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	6.21	6.3175	6.41
Standing Water Elevation	0.01	m AHD	0	4	2.76	2.8525	2.96
pH (field)	0.01	pH units	0	4	6.57	6.9125	7.59
Electrical Conductivity (field)	1	uS/cm	0	4	1183	1575.25	2508
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.13	0.5	1.39
Redox (field)	0.1	mV	0	4	-141.7	-55.825	-5.9
Temperature (field)	0.1	deg c	0	4	18.2	19.975	22.9
Ammonia(N)	0.01	mg/L	4	4	1.7	2.525	3.1
Chloride	1	mg/L	4	4	40	54.5	69
pH	0.1	pH units	4	4	6.57	7.1675	7.5
Sulphate (S)	5	mg/L	4	4	11	70	200
Total Dissolved Solids	10	mg/L	4	4	220	590	850
Total Organic Carbon	5	mg/L	4	4	8	67	150
Total Alkalinity as CaCO3	20	mg/L	4	4	580	640	700
Calcium	0.5	mg/L	4	4	72	110.5	140
Magnesium	0.5	mg/L	4	4	42	49.25	53
Potassium	0.5	mg/L	4	4	11	13.5	17
Sodium	0.5	mg/L	4	4	44	50.75	55
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.04	0.04
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.69	0.69	0.69
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	5.5	5.5	5.5
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.007	0.023	0.039
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 16 — BH3G

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	11.2	11.45	11.72
Standing Water Elevation	0.01	m AHD	0	4	3.73	4	4.25
pH (field)	0.01	pH units	0	4	6.19	6.5125	6.98
Electrical Conductivity (field)	1	uS/cm	0	4	537	745.75	986
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.07	1.14	4.21
Redox (field)	0.1	mV	0	4	-162	-40.025	12.2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Temperature (field)	0.1	deg c	0	4	21.1	21.575	22.1
Ammonia(N)	0.01	mg/L	4	4	0.07	0.2445	0.67
Chloride	1	mg/L	4	4	49	64.5	82
pH	0.1	pH units	4	4	6.1	6.2725	6.5
Sulphate (S)	5	mg/L	4	4	53	60.25	74
Total Dissolved Solids	10	mg/L	4	4	290	305	340
Total Organic Carbon	5	mg/L	4	4	4	7.95	18
Total Alkalinity as CaCO3	20	mg/L	4	4	63	102.25	160
Calcium	0.5	mg/L	4	4	7	12.5	22
Magnesium	0.5	mg/L	4	4	8.6	16.975	32
Potassium	0.5	mg/L	4	4	BDL	2.33333	3
Sodium	0.5	mg/L	4	4	62	74.25	85
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.55	0.55
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	0.003	0.003
Barium (filtered)	0.02	mg/L	1	1	0.09	0.09	0.09
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.012	0.012	0.012
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	3.3	3.3	3.3
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.015	0.0195	0.024
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	0.2	0.2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	0.2	0.2
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 17 — BH3H

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	13.82	13.9875	14.1
Standing Water Elevation	0.01	m AHD	0	4	1.36	1.4725	1.64
pH (field)	0.01	pH units	0	4	6.15	6.58	6.88
Electrical Conductivity (field)	1	uS/cm	0	4	860	1126.25	1662
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.09	0.3475	0.67
Redox (field)	0.1	mV	0	4	-61.3	-18.025	6.5
Temperature (field)	0.1	deg c	0	4	20.4	21.625	22.6
Ammonia(N)	0.01	mg/L	4	4	0.1	0.1425	0.19
Chloride	1	mg/L	4	4	85	104	140
pH	0.1	pH units	4	4	6.63	7.3325	8.1
Sulphate (S)	5	mg/L	4	4	24	34.25	46
Total Dissolved Solids	10	mg/L	4	4	530	560	630
Total Organic Carbon	5	mg/L	4	4	BDL	13.6667	36
Total Alkalinity as CaCO3	20	mg/L	4	4	280	297.5	310
Calcium	0.5	mg/L	4	4	23	25.5	28
Magnesium	0.5	mg/L	4	4	21	22.75	25
Potassium	0.5	mg/L	4	4	2.5	4.35	5
Sodium	0.5	mg/L	4	4	110	142.5	180
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.09	0.09
Nitrite (as N)	0.02	mg/L	1	2	0.03	0.035	0.04
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Aluminium (filtered)	0.05	mg/L	1	1	3.4	3.4	3.4
Arsenic (filtered)	0.001	mg/L	1	2	BDL	0.005	0.005
Barium (filtered)	0.02	mg/L	1	1	0.87	0.87	0.87
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	0.01	0.01
Cobalt (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
Copper (filtered)	0.001	mg/L	1	2	BDL	0.022	0.022
Lead (filtered)	0.001	mg/L	1	2	BDL	0.013	0.013
Manganese (filtered)	0.005	mg/L	1	1	0.55	0.55	0.55
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.031	0.1105	0.19
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 18 — BH3I

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	14	14.2625	14.38
Standing Water Elevation	0.01	m AHD	0	4	1.05	1.1675	1.43
pH (field)	0.01	pH units	0	4	7.07	7.25	7.42
Electrical Conductivity (field)	1	uS/cm	0	4	1191	1533.25	2397
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.04	1.0125	3.56
Redox (field)	0.1	mV	0	4	-94.5	-51.025	-26.5
Temperature (field)	0.1	deg c	0	4	19.2	21.35	23.5

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Ammonia(N)	0.01	mg/L	4	4	0.22	0.3025	0.4
Chloride	1	mg/L	4	4	150	185	220
pH	0.1	pH units	4	4	7.29	7.6225	7.9
Sulphate (S)	5	mg/L	4	4	BDL	2	2
Total Dissolved Solids	10	mg/L	4	4	550	660	810
Total Organic Carbon	5	mg/L	4	4	BDL	9.66667	27
Total Alkalinity as CaCO3	20	mg/L	4	4	340	342.5	350
Calcium	0.5	mg/L	4	4	16	16.5	17
Magnesium	0.5	mg/L	4	4	14	15.5	18
Potassium	0.5	mg/L	4	4	3.1	4.925	6
Sodium	0.5	mg/L	4	4	190	232.5	260
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.13	0.13
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.46	0.46	0.46
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	1	1	1
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	0.011	0.011
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	0.003	0.003
Lead (filtered)	0.001	mg/L	1	2	BDL	0.002	0.002
Manganese (filtered)	0.005	mg/L	1	1	0.073	0.073	0.073
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.011	0.021	0.031
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 19 — BH4A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	9.3	11.515	12.9
Standing Water Elevation	0.01	m AHD	0	4	-1.8	-0.415	1.8
pH (field)	0.01	pH units	0	4	6.58	6.935	7.14
Electrical Conductivity (field)	1	uS/cm	0	4	2381	3309.5	5104
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.1	3.1325	6.34
Redox (field)	0.1	mV	0	4	-108.3	-41.75	-8.7
Temperature (field)	0.1	deg c	0	4	17.1	18.775	19.9
Ammonia(N)	0.01	mg/L	4	4	0.4	0.645	1.2
Chloride	1	mg/L	4	4	540	662.5	820
pH	0.1	pH units	4	4	6.5	7.235	7.7
Sulphate (S)	5	mg/L	4	4	BDL	42.5	81
Total Dissolved Solids	10	mg/L	4	4	1300	1475	1900
Total Organic Carbon	5	mg/L	4	4	BDL	7	18
Total Alkalinity as CaCO3	20	mg/L	4	4	230	262.5	290
Calcium	0.5	mg/L	4	4	35	36.75	39
Magnesium	0.5	mg/L	4	4	67	70.5	75
Potassium	0.5	mg/L	4	4	5.8	6.85	8.5
Sodium	0.5	mg/L	4	4	340	365	400
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.03	0.03
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.59	0.59	0.59
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.063	0.063	0.063
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	BDL	0.006	0.006
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 20 — BH4D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	1	Well BH4D For Quarters 1, 2 & 4 the well was dry or had insufficient water inside the well to facilitate sampling		
Standing Water Elevation	0.01	m AHD	0	1			
pH (field)	0.01	pH units	0	1			
Electrical Conductivity (field)	1	uS/cm	0	1			
Dissolved Oxygen (field)	0.01	mg/L	0	1			

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Redox (field)	0.1	mV	0	1			
Temperature (field)	0.1	deg c	0	1			
Ammonia(N)	0.01	mg/L	4	1			
Chloride	1	mg/L	4	1			
pH	0.1	pH units	4	1			
Sulphate (S)	5	mg/L	4	1			
Total Dissolved Solids	10	mg/L	4	1			
Total Organic Carbon	5	mg/L	4	1			
Total Alkalinity as CaCO3	20	mg/L	4	1			
Calcium	0.5	mg/L	4	1			
Magnesium	0.5	mg/L	4	1			
Potassium	0.5	mg/L	4	1			
Sodium	0.5	mg/L	4	1			
Chromium (hexavalent)	0.05	mg/L	1	1			
Fluoride	0.1	mg/L	1	1			
Nitrate (as N)	0.02	mg/L	1	1			
Nitrite (as N)	0.02	mg/L	1	1			
Phenolics (Total)	0.1	mg/L	1	1			
Aluminium (filtered)	0.05	mg/L	1	1			
Arsenic (filtered)	0.001	mg/L	1	1			
Barium (filtered)	0.02	mg/L	1	1			
Cadmium (filtered)	0.0002	mg/L	1	1			
Chromium (filtered)	0.001	mg/L	1	1			
Cobalt (filtered)	0.001	mg/L	1	1			
Copper (filtered)	0.001	mg/L	1	1			
Lead (filtered)	0.001	mg/L	1	1			
Manganese (filtered)	0.005	mg/L	1	1			
Mercury (filtered)	0.0001	mg/L	1	1			
Zinc (filtered)	0.005	mg/L	1	1			
Benzene	0.001	mg/L	1	1			
Toluene	0.001	mg/L	1	1			
Ethylbenzene	0.001	mg/L	1	1			
Total Xylenes	0.003	mg/L	1	1			

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Petroleum Hydrocarbons	0.1	mg/L	1	1			
TRH C6-C10 (F1)	0.02	mg/L	1	1			
TRH C10 - C16 (F2)	0.05	mg/L	1	1			
TRH C16 - C34 (F3)	0.1	mg/L	1	1			
TRH C34 - C40 (F4)	0.1	mg/L	1	1			
Total PAHs	0.001	mg/L	1	1			
Total OCPs	0.002	mg/L	1	1			
Total OPPs	0.02	mg/L	1	1			

Monitoring Point 21 — BH7A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.55	5.77	5.99
Standing Water Elevation	0.01	m AHD	0	4	2.95	3.17	3.39
pH (field)	0.01	pH units	0	4	5.48	5.69	5.84
Electrical Conductivity (field)	1	uS/cm	0	4	816	1084.25	1530
Dissolved Oxygen (field)	0.01	mg/L	0	2	0.06	2.68	5.3
Redox (field)	0.1	mV	0	4	-95.1	-13.875	60.5
Temperature (field)	0.1	deg c	0	4	17.3	18.975	20.3
Ammonia(N)	0.01	mg/L	4	4	0.4	0.455	0.51
Chloride	1	mg/L	4	4	110	122.5	160
pH	0.1	pH units	4	4	5.84	6.235	6.5
Sulphate (S)	5	mg/L	4	4	46	98.75	210
Total Dissolved Solids	10	mg/L	4	4	280	472.5	640
Total Organic Carbon	5	mg/L	4	4	BDL	22	52
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	153.333	190
Calcium	0.5	mg/L	4	4	12	14.75	21
Magnesium	0.5	mg/L	4	4	21	27	42
Potassium	0.5	mg/L	4	4	11	12.75	18
Sodium	0.5	mg/L	4	4	89	124.5	190
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.23	0.23
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	11	11	11
Arsenic (filtered)	0.001	mg/L	1	2	BDL	0.003	0.003
Barium (filtered)	0.02	mg/L	1	1	0.08	0.08	0.08
Cadmium (filtered)	0.0002	mg/L	1	2	0.0002	0.0003	0.0004
Chromium (filtered)	0.001	mg/L	1	2	BDL	0.015	0.015
Cobalt (filtered)	0.001	mg/L	1	1	0.006	0.006	0.006
Copper (filtered)	0.001	mg/L	1	2	BDL	0.017	0.017
Lead (filtered)	0.001	mg/L	1	2	BDL	0.012	0.012
Manganese (filtered)	0.005	mg/L	1	1	0.43	0.43	0.43
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.027	0.1135	0.2
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 22 — BH8B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.9	4.9825	5.07
Standing Water Elevation	0.01	m AHD	0	4	8.52	8.6075	8.69
pH (field)	0.01	pH units	0	4	5.7	6.255	6.51
Electrical Conductivity (field)	1	uS/cm	0	4	1364	1779.5	2844
Dissolved Oxygen (field)	0.01	mg/L	0	3	0.09	0.373333	0.75
Redox (field)	0.1	mV	0	4	-87.4	-13.875	17.1

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Temperature (field)	0.1	deg c	0	4	19.4	20.325	21.1
Ammonia(N)	0.01	mg/L	4	4	0.11	0.6175	1
Chloride	1	mg/L	4	4	220	277.5	350
pH	0.1	pH units	4	4	6.2	6.6525	7
Sulphate (S)	5	mg/L	4	4	40	50	62
Total Dissolved Solids	10	mg/L	4	4	670	745	800
Total Organic Carbon	5	mg/L	4	4	5	14.75	31
Total Alkalinity as CaCO3	20	mg/L	4	4	210	220	230
Calcium	0.5	mg/L	4	4	32	36.25	44
Magnesium	0.5	mg/L	4	4	36	41.75	49
Potassium	0.5	mg/L	4	4	7.4	7.75	8.3
Sodium	0.5	mg/L	4	4	150	190	220
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	BDL	0.02	0.02
Nitrite (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.34	0.34	0.34
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.5	1.5	1.5
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.006	0.0065	0.007
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	0.1	0.1
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 23 — BH1A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.48	5.3875	5.85
Standing Water Elevation	0.01	m AHD	0	4	7.29	7.7525	8.66
pH (field)	0.01	pH units	0	4	4.46	5.7075	6.32
Electrical Conductivity (field)	1	uS/cm	0	4	1205	2333.75	3330
Dissolved Oxygen (field)	0.01	mg/L	0	2	0.07	0.54	1.01
Redox (field)	0.1	mV	0	4	27.9	73	137.9
Temperature (field)	0.1	deg c	0	4	18.1	18.575	19.5
Ammonia(N)	0.01	mg/L	4	4	0.07	0.79	1.2
Chloride	1	mg/L	4	4	310	405	650
pH	0.1	pH units	4	4	6.32	6.855	7.8
Sulphate (S)	5	mg/L	4	4	64	90.5	120
Total Dissolved Solids	10	mg/L	4	4	660	1140	2000
Total Organic Carbon	5	mg/L	4	4	2	7.7	18
Total Alkalinity as CaCO3	20	mg/L	4	4	21	125	200
Calcium	0.5	mg/L	4	4	2.9	17.475	37
Magnesium	0.5	mg/L	4	4	35	45.5	71
Potassium	0.5	mg/L	4	4	4.3	8.575	15
Sodium	0.5	mg/L	4	4	220	290	370
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	2	0.15	0.775	1.4
Nitrite (as N)	0.02	mg/L	1	2	BDL	0.03	0.03
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Aluminium (filtered)	0.05	mg/L	1	1	0.88	0.88	0.88
Arsenic (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.26	0.26	0.26
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	BDL	0.002	0.002
Cobalt (filtered)	0.001	mg/L	1	1	0.006	0.006	0.006
Copper (filtered)	0.001	mg/L	1	2	0.001	0.004	0.007
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.26	0.26	0.26
Mercury (filtered)	0.0001	mg/L	1	2	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	2	0.031	0.1155	0.2
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 24 — BH17A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	10.54	10.68	10.83
Standing Water Elevation	0.01	m AHD	0	4	3.66	3.81	3.95
pH (field)	0.01	pH units	0	4	6.67	7.2225	8.13
Electrical Conductivity (field)	1	uS/cm	0	4	15330	17078	20052
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.18	1.6025	4.03
Redox (field)	0.1	mV	0	4	-305.1	-108.85	-27
Temperature (field)	0.1	deg c	0	4	17.4	18.525	19.4

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Ammonia(N)	0.01	mg/L	4	4	0.19	0.8925	1.6
Chloride	1	mg/L	4	4	4700	5325	6000
pH	0.1	pH units	4	4	6.81	7.3275	7.8
Sulphate (S)	5	mg/L	4	4	300	342.5	410
Total Dissolved Solids	10	mg/L	4	4	7900	9425	10000
Total Organic Carbon	5	mg/L	4	4	BDL	38.6667	110
Total Alkalinity as CaCO3	20	mg/L	4	4	1000	1125	1200
Calcium	0.5	mg/L	4	4	75	128.75	160
Magnesium	0.5	mg/L	4	4	550	615	670
Potassium	0.5	mg/L	4	4	35	37	41
Sodium	0.5	mg/L	4	4	2000	2400	2800
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	2	0.7	0.8	0.9
Nitrate (as N)	0.02	mg/L	1	2	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	2	BDL	0.02	0.02
Phenolics (Total)	0.1	mg/L	1	2	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	2	0.001	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	0.08	0.08	0.08
Cadmium (filtered)	0.0002	mg/L	1	2	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	2	0.001	0.001	0.001
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	2	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.19	0.19	0.19
Mercury (filtered)	0.0001	mg/L	1	2	BDL	0.0004	0.0004
Zinc (filtered)	0.005	mg/L	1	2	BDL	BDL	BDL
Benzene	0.001	mg/L	1	2	BDL	BDL	BDL
Toluene	0.001	mg/L	1	2	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	2	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	2	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	2	BDL	0.1	0.1
TRH C6-C10 (F1)	0.02	mg/L	1	2	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C10 - C16 (F2)	0.05	mg/L	1	2	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	2	BDL	0.1	0.1
TRH C34 - C40 (F4)	0.1	mg/L	1	2	BDL	0.1	0.1
Total PAHs	0.001	mg/L	1	2	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 26 — LG1

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	250	1000

Monitoring Point 27 — LG2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 28 — LG3

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	1000	4000

Monitoring Point 29 — LG4

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 30 — LG5

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 31 — LG7

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	12	44000	66083.3	101000

Monitoring Point 33 — LHD

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.93	8.2325	8.95
Electrical Conductivity (field)	1	uS/cm	0	4	3132	4617.75	6835
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.14	0.88	2.82
Redox (field)	0.1	mV	0	4	-107.4	-12.65	85.2
Temperature (field)	0.1	deg c	0	4	13.9	22.55	26.7
Standing Leachate Level	0.1	m	1	3	1.1	1.53333	2
Approx. Leachate Elevation	0.01	m AHD	1	3	15.63	16.0967	16.53
pH (lab)	0.1	pH units	1	4	8.1	8.3	8.4
Electrical Conductivity (lab)	1	uS/cm	4	4	3200	3625	4000
Ammonia(N)	0.01	mg/L	1	4	10	49.5	77
Chloride	1	mg/L	1	4	240	312.5	370
Sulphate (S)	1	mg/L	1	4	44	105.25	200
Fluoride	0.1	mg/L	1	4	BDL	0.25	0.3
Total Alkalinity as CaCO3	1	mg/L	1	4	1300	1725	2400
Calcium	1	mg/L	1	4	30	72	110
Magnesium	1	mg/L	1	4	91	99.25	110
Potassium	1	mg/L	1	4	54	60	69
Sodium	1	mg/L	1	4	460	620	810
Phosphate	0.1	mg/L	1	3	BDL	0.087	0.087
Total Phosphorous	0.05	mg/L	1	3	0.18	0.456667	0.89
Total Organic Carbon	0.02	mg/L	1	4	73	100.25	160
Total Kjeldahl Nitrogen	1	mg/L	0	4	43	72.75	99
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.46	0.81
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.0156667	0.03
Total Dissolved Solids	5	mg/L	1	2	1700	1950	2200
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.07	0.07	0.07
Arsenic (filtered)	0.001	mg/L	1	1	0.018	0.018	0.018
Barium (filtered)	0.02	mg/L	1	1	0.3	0.3	0.3
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.028	0.028	0.028
Cobalt (filtered)	0.001	mg/L	1	1	0.004	0.004	0.004

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.42	0.42	0.42
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.045	0.045	0.045
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	2.78	2.78	2.78
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.58	0.58	0.58
TRH C16 - C34 (F3)	0.1	mg/L	1	1	2.1	2.1	2.1
TRH C34 - C40 (F4)	0.1	mg/L	1	1	0.1	0.1	0.1
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 34 — Dam B7 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.37	7.8725	8.6
Electrical Conductivity (field)	1	uS/cm	0	4	973	1967	3198
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.22	1.68	5.9
Redox (field)	0.1	mV	0	4	-97.3	-21.1	97.9
Temperature (field)	0.1	deg c	0	3	13.7	22.5	29.9
pH (lab)	0.01	pH units	4	4	7.7	8.025	8.3
Electrical Conductivity (lab)	1	uS/cm	4	4	980	1520	2200
Ammonia (as N)	0.01	mg/L	4	4	0.18	0.5125	0.79
Total Suspended Solids	1	mg/L	4	4	12	19.25	32
Total Organic Carbon	1	mg/L	4	4	6	10.25	14

Monitoring Point 35 — Dam B1 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.79	8.1075	9.06

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Electrical Conductivity (field)	1	uS/cm	0	4	605	1265.25	2264
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.26	2.695	6.2
Redox (field)	0.1	mV	0	4	-206.8	-105.95	-12.7
Temperature (field)	0.1	deg c	0	4	12	23.425	28.1
pH (lab)	0.01	pH units	4	4	7.9	8.2	8.5
Electrical Conductivity (lab)	1	uS/cm	4	4	550	802.5	1200
Ammonia (as N)	0.01	mg/L	4	4	0.01	0.0675	0.16
Total Suspended Solids	1	mg/L	4	4	8.8	18.7	41
Total Organic Carbon	1	mg/L	4	4	11	19.75	32

Monitoring Point 36 — Dam H - Basin H

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	0	Basin H Has Not Been Constructed. And it will not part of the updated stormwater management plan		
Electrical Conductivity (field)	1	uS/cm	0	0			
Dissolved Oxygen (field)	0.01	mg/L	0	0			
Redox (field)	0.1	mV	0	0			
Temperature (field)	0.1	deg c	0	0			
pH (lab)	0.01	pH units	0	0			
Electrical Conductivity (lab)	1	uS/cm	0	0			
Ammonia (as N)	0.01	mg/L	0	0			
Total Suspended Solids	1	mg/L	0	0			
Total Organic Carbon	1	mg/L	0	0			

Monitoring Point 37 — X1 Riser

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.89	7.1925	7.62
Electrical Conductivity (field)	1	uS/cm	0	4	2966	5243	10067
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.13	1.4675	2.8
Redox (field)	0.1	mV	0	4	-53	0.975	55
Temperature (field)	0.1	deg c	0	4	21.6	25.6	28.8

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Leachate Level	0.1	m	1	3	18	18.6667	19
Approx. Leachate Elevation	0.01	m AHD	1	0	0	BDL	BDL
pH (lab)	0.1	pH units	1	4	7.2	7.6	7.8
Electrical Conductivity (lab)	1	uS/cm	4	4	2800	3650	4400
Ammonia(N)	0.01	mg/L	1	4	6.1	71.525	130
Chloride	1	mg/L	1	4	250	305	390
Sulphate (S)	1	mg/L	1	4	66	78	90
Fluoride	0.1	mg/L	1	4	BDL	0.6	0.6
Total Alkalinity as CaCO3	1	mg/L	1	4	1300	1800	2200
Calcium	1	mg/L	1	4	120	147.5	180
Magnesium	1	mg/L	1	4	97	124.25	150
Potassium	1	mg/L	1	4	30	52.25	65
Sodium	1	mg/L	1	4	240	450	540
Phosphate	0.1	mg/L	1	3	BDL	0.025	0.03
Total Phosphorous	0.05	mg/L	1	3	BDL	0.2	0.3
Total Organic Carbon	0.02	mg/L	1	4	59	169.75	480
Total Kjeldahl Nitrogen	1	mg/L	0	4	13	88.75	160
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.03	0.03
Nitrite (as N)	0.1	mg/L	1	4	BDL	BDL	BDL
Total Dissolved Solids	5	mg/L	1	2	2100	2150	2200
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.018	0.018	0.018
Barium (filtered)	0.02	mg/L	1	1	0.53	0.53	0.53
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.047	0.047	0.047
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	0.091	0.091	0.091
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.81	0.81	0.81
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.062	0.062	0.062

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	0.013	0.013	0.013
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	3.39	3.39	3.39
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.69	0.69	0.69
TRH C16 - C34 (F3)	0.1	mg/L	1	1	2.5	2.5	2.5
TRH C34 - C40 (F4)	0.1	mg/L	1	1	0.2	0.2	0.2
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Notes: 'BDL' = Below (laboratory) Detection Limit. A dash ('-') indicates no result (no discharge/sample event in the period).