

Glenfield Waste Services Landfill Facility

EPL 4614 — Annual Return Monitoring Data Summary — 2023-2024 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	0	0	-	-	-
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	-	-	-

Discharge and Monitoring Point 2 — Dam B7 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.01	pH units	8	8	7.7	8.0375	8.2
Conductivity	1	uS/cm	8	8	680	1088.75	1400
Ammonia	0.01	mg/L	8	8	0.049	0.723625	3.5
Total Suspended Solids carbon	1	mg/L	8	8	6	7.66667	11
Total Organic Carbon	1	mg/L	8	8	7	12	15

Monitoring Point 3 — LP001A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.53	7.1475	7.43
Electrical Conductivity (field)	1	uS/cm	0	4	4543	7644.25	10290
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.22	1.485	1.88
Redox (field)	0.1	mV	0	4	-129.4	-54.4	47
Temperature (field)	0.1	deg c	0	4	28.5	31.775	34.6
Standing Water Level	0.1	m	1	4	6.2	6.675	7.6
pH (lab)	0.1	pH units	1	4	7.6	7.9	8.3
Electrical Conductivity (lab)	1	uS/cm	4	4	4200	8725	14000
Ammonia(N)	0.01	mg/L	1	4	86	266.5	380
Chloride	1	mg/L	1	4	660	1790	3800
Sulphate (S)	1	mg/L	1	4	62	420.5	930
Fluoride	0.1	mg/L	1	4	0.2	0.725	1.8
Total Alkalinity as CaCO3	1	mg/L	1	4	41	2035.25	3400
Calcium	1	mg/L	1	4	84	168.5	340

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Magnesium	1	mg/L	1	4	150	190	290
Potassium	1	mg/L	1	4	110	210	260
Sodium	1	mg/L	1	4	530	972.5	1300
Phosphate	0.1	mg/L	1	4	BDL	0.42	0.97
Total Phosphorous	0.05	mg/L	1	4	BDL	3.36667	8.1
Total Organic Carbon	0.02	mg/L	1	4	120	300	640
Total Kjeldahl Nitrogen	1	mg/L	0	4	51	315.25	520
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.03	0.03
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.084	0.15
Total Dissolved Solids	5	mg/L	1	1	5300	5300	5300
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	0.09	0.09	0.09
Arsenic (filtered)	0.001	mg/L	1	1	0.006	0.006	0.006
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	0.11	0.11	0.11
Cobalt (filtered)	0.001	mg/L	1	1	0.018	0.018	0.018
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	0.27	0.27	0.27
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.012	0.012	0.012
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	4.5	4.5	4.5
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	1.7	1.7	1.7
TRH C16 - C34 (F3)	0.1	mg/L	1	1	2.9	2.9	2.9
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	0.0055	0.0055	0.0055

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
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	3	6.84	7.37667	7.82
Electrical Conductivity (field)	1	uS/cm	0	3	4382	4765.33	5232
Dissolved Oxygen (field)	0.01	mg/L	0	3	1.25	6.15	15.48
Redox (field)	0.1	mV	0	3	-49.6	-17.7	44.6
Temperature (field)	0.1	deg c	0	3	22.4	23.6667	24.5
Standing Water Level	0.1	m	1	3	7.4	9.16667	11.5
pH (lab)	0.1	pH units	1	3	7.9	8.16667	8.4
Electrical Conductivity (lab)	1	uS/cm	4	3	4500	4766.67	5100
Ammonia(N)	0.01	mg/L	1	3	74	111.333	130
Chloride	1	mg/L	1	3	670	760	900
Sulphate (S)	1	mg/L	1	3	24	31.6667	42
Fluoride	0.1	mg/L	1	3	0.5	0.533333	0.6
Total Alkalinity as CaCO3	1	mg/L	1	3	1500	1666.67	1900
Calcium	1	mg/L	1	3	65	69.3333	76
Magnesium	1	mg/L	1	3	95	101.667	110
Potassium	1	mg/L	1	3	46	57	63
Sodium	1	mg/L	1	3	560	683.333	920
Phosphate	0.1	mg/L	1	3	0.062	0.0683333	0.079
Total Phosphorous	0.05	mg/L	1	3	0.1	0.166667	0.2
Total Organic Carbon	0.02	mg/L	1	3	54	59.3333	67
Total Kjeldahl Nitrogen	1	mg/L	0	3	120	143.333	180
Nitrate (as N)	0.01	mg/L	1	3	0.04	0.203333	0.52
Nitrite (as N)	0.1	mg/L	1	3	0.085	0.198333	0.39
Total Dissolved Solids	5	mg/L	1	1	2900	2900	2900
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	0.003	0.003	0.003

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Barium (filtered)	0.02	mg/L	1	1	1.5	1.5	1.5
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.011	0.011	0.011
Cobalt (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
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	0.14	0.14	0.14
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.018	0.018	0.018
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	0.78	0.78	0.78
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.23	0.23	0.23
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.54	0.54	0.54
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 5 — LP002

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.15	6.605	6.98
Electrical Conductivity (field)	1	uS/cm	0	4	1127	1713.5	2461
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.56	4.81	16.34
Redox (field)	0.1	mV	0	4	-95.8	-26.4	11.2
Temperature (field)	0.1	deg c	0	4	26.6	29.25	31.4
Standing Water Level	0.1	m	1	4	5.2	8.05	9.2
pH (lab)	0.1	pH units	1	4	7.2	7.525	8.1
Electrical Conductivity (lab)	1	uS/cm	4	4	1100	1650	2300
Ammonia(N)	0.01	mg/L	1	4	9.6	20.65	31

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Chloride	1	mg/L	1	4	75	148.75	270
Sulphate (S)	1	mg/L	1	4	260	310	350
Fluoride	0.1	mg/L	1	4	BDL	0.3	0.3
Total Alkalinity as CaCO3	1	mg/L	1	4	160	382.5	590
Calcium	1	mg/L	1	4	97	126.75	170
Magnesium	1	mg/L	1	4	28	32.25	37
Potassium	1	mg/L	1	4	14	19	26
Sodium	1	mg/L	1	4	100	150	230
Phosphate	0.1	mg/L	1	4	BDL	BDL	BDL
Total Phosphorous	0.05	mg/L	1	4	BDL	0.13	0.2
Total Organic Carbon	0.02	mg/L	1	4	9	17.25	28
Total Kjeldahl Nitrogen	1	mg/L	0	4	3.8	26.2	49
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.03	0.03
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.007	0.007
Total Dissolved Solids	5	mg/L	1	4	1100	1100	1100
Phenolics (Total)	0.05	mg/L	1	4	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	4	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	4	0.02	0.02	0.02
Arsenic (filtered)	0.001	mg/L	1	4	0.003	0.003	0.003
Barium (filtered)	0.02	mg/L	1	4	0.14	0.14	0.14
Cadmium (filtered)	0.0002	mg/L	1	4	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	4	0.001	0.001	0.001
Cobalt (filtered)	0.001	mg/L	1	4	0.002	0.002	0.002
Copper (filtered)	0.001	mg/L	1	4	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	4	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	4	0.58	0.58	0.58
Mercury (filtered)	0.0001	mg/L	1	4	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	4	0.009	0.009	0.009
Benzene	0.001	mg/L	1	4	BDL	BDL	BDL
Toluene	0.001	mg/L	1	4	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	4	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	4	0.001	0.001	0.001
Total Petroleum Hydrocarbons	0.1	mg/L	1	4	0.65	0.65	0.65

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C6-C10 (F1)	0.02	mg/L	1	4	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	4	0.41	0.41	0.41
TRH C16 - C34 (F3)	0.1	mg/L	1	4	0.24	0.24	0.24
TRH C34 - C40 (F4)	0.1	mg/L	1	4	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	4	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	4	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	4	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	4.7	4.955	5.11
Standing Water Elevation	0.01	mAHD	0	4	8.68	8.835	9.09
pH (field)	0.01	pH units	0	4	5.86	6.69	7.36
Electrical Conductivity (field)	1	uS/cm	0	4	500	920.25	1306
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.31	5.0025	10.77
Redox (field)	0.1	mV	0	4	-123.7	-51.175	26.7
Temperature (field)	0.1	deg c	0	4	17.1	18.675	19.8
Ammonia(N)	0.01	mg/L	4	4	0.31	0.5375	0.76
Chloride	1	mg/L	4	4	53	118.25	240
pH	0.1	pH units	4	4	6.9	7.35	8.2
Sulphate (S)	5	mg/L	4	4	14	22.5	30
Total Dissolved Solids	10	mg/L	4	4	410	545	700
Total Organic Carbon	5	mg/L	4	4	3	5.025	8.1
Total Alkalinity as CaCO3	20	mg/L	4	4	200	290	390
Calcium	0.5	mg/L	4	4	33	39.75	48
Magnesium	0.5	mg/L	4	4	34	43	51
Potassium	0.5	mg/L	4	4	6.3	7.675	8.6
Sodium	0.5	mg/L	4	4	36	82.75	150
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	0.01	0.01	0.01
Nitrite (as N)	0.02	mg/L	1	1	0.008	0.008	0.008
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.34	0.34	0.34
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
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	2.6	2.6	2.6
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.011	0.011	0.011
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 7 — BH1B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	6.02	8.2775	9.07
Standing Water Elevation	0.01	mAHD	0	4	4.25	5.0425	7.3
pH (field)	0.01	pH units	0	4	6.24	7.075	7.75
Electrical Conductivity (field)	1	uS/cm	0	4	2047	2499.75	2792
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.55	2.895	7.92
Redox (field)	0.1	mV	0	4	-108.1	-79.6	-7.3
Temperature (field)	0.1	deg c	0	4	18.5	20.525	21.9

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Ammonia(N)	0.01	mg/L	4	4	1.9	2.525	4.1
Chloride	1	mg/L	4	4	600	690	770
pH	0.1	pH units	4	4	7.4	7.775	8.2
Sulphate (S)	5	mg/L	4	4	BDL	1	1
Total Dissolved Solids	10	mg/L	4	4	1200	1475	1900
Total Organic Carbon	5	mg/L	4	4	1	2.85	6.4
Total Alkalinity as CaCO3	20	mg/L	4	4	240	302.5	330
Calcium	0.5	mg/L	4	4	66	74.5	90
Magnesium	0.5	mg/L	4	4	26	29	33
Potassium	0.5	mg/L	4	4	12	12.75	14
Sodium	0.5	mg/L	4	4	370	410	450
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.3	0.3	0.3
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	6.8	6.8	6.8
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
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	0.066	0.066	0.066
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.014	0.014	0.014
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	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
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 8 — BH7B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	8.43	8.7175	9
Standing Water Elevation	0.01	mAHD	0	4	5.86	6.69	7.36
pH (field)	0.01	pH units	0	4	5.5	6.2775	6.89
Electrical Conductivity (field)	1	uS/cm	0	4	1994	2267	2573
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.01	1.755	2.92
Redox (field)	0.1	mV	0	4	-90.6	-41.5	32.1
Temperature (field)	0.1	deg c	0	4	18.3	19.125	20.8
Ammonia(N)	0.01	mg/L	4	4	0.45	0.485	0.56
Chloride	1	mg/L	4	4	470	572.5	630
pH	0.1	pH units	4	4	6.3	7.075	8.1
Sulphate (S)	5	mg/L	4	4	73	88.75	110
Total Dissolved Solids	10	mg/L	4	4	1200	1300	1400
Total Organic Carbon	5	mg/L	4	4	BDL	2.33333	3
Total Alkalinity as CaCO3	20	mg/L	4	4	200	290	330
Calcium	0.5	mg/L	4	4	32	36.25	40
Magnesium	0.5	mg/L	4	4	41	44.75	49
Potassium	0.5	mg/L	4	4	10	11.25	12
Sodium	0.5	mg/L	4	4	340	395	480
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	0.005	0.005	0.005
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.18	0.18	0.18

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.73	0.73	0.73
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
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	1	1	1
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
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 10 — BH9A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	6.37	6.6375	6.92
Standing Water Elevation	0.01	mAHD	0	4	2.27	2.5525	2.82
pH (field)	0.01	pH units	0	4	5.89	6.48	7.07
Electrical Conductivity (field)	1	uS/cm	0	4	1591	1904.75	2136
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.93	2.66	4.56
Redox (field)	0.1	mV	0	4	-110.1	-13.625	79.9
Temperature (field)	0.1	deg c	0	4	19.5	20.5	22.1
Ammonia(N)	0.01	mg/L	4	4	8.5	9.9	12

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Chloride	1	mg/L	4	4	290	417.5	540
pH	0.1	pH units	4	4	6.6	7.15	7.6
Sulphate (S)	5	mg/L	4	4	59	69	80
Total Dissolved Solids	10	mg/L	4	4	980	1195	1400
Total Organic Carbon	5	mg/L	4	4	10	12	18
Total Alkalinity as CaCO3	20	mg/L	4	4	460	492.5	520
Calcium	0.5	mg/L	4	4	30	38.5	50
Magnesium	0.5	mg/L	4	4	51	57.25	69
Potassium	0.5	mg/L	4	4	17	18.75	21
Sodium	0.5	mg/L	4	4	260	357.5	430
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.3	0.3	0.3
Nitrate (as N)	0.02	mg/L	1	1	0.005	0.005	0.005
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	1.2	1.2	1.2
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
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	0.36	0.36	0.36
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.009	0.009	0.009
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	1	BDL	BDL	BDL
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

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
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 11 — BH10D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.22	3.2775	3.41
Standing Water Elevation	0.01	mAHD	0	4	2.76	2.8925	2.95
pH (field)	0.01	pH units	0	4	6.02	6.815	7.31
Electrical Conductivity (field)	1	uS/cm	0	4	591	1559.25	3113
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.84	2.745	4.91
Redox (field)	0.1	mV	0	4	-127	-28.075	71.2
Temperature (field)	0.1	deg c	0	4	17.2	19.375	21.4
Ammonia(N)	0.01	mg/L	4	4	0.93	3.0825	5.3
Chloride	1	mg/L	4	4	360	665	890
pH	0.1	pH units	4	4	6.6	7.15	7.6
Sulphate (S)	5	mg/L	4	4	31	36.5	45
Total Dissolved Solids	10	mg/L	4	4	960	1415	1700
Total Organic Carbon	5	mg/L	4	4	6	8.825	12
Total Alkalinity as CaCO3	20	mg/L	4	4	190	290	350
Calcium	0.5	mg/L	4	4	39	49.5	56
Magnesium	0.5	mg/L	4	4	43	54	61
Potassium	0.5	mg/L	4	4	12	13.25	16
Sodium	0.5	mg/L	4	4	300	365	440
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	0.088	0.088	0.088
Nitrite (as N)	0.02	mg/L	1	1	0.013	0.013	0.013
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.02	0.02	0.02
Arsenic (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Barium (filtered)	0.02	mg/L	1	1	2.3	2.3	2.3
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
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	1.4	1.4	1.4
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.016	0.016	0.016
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 12 — BH13D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	12.08	12.115	12.18
Standing Water Elevation	0.01	mAHD	0	4	2.64	2.705	2.74
pH (field)	0.01	pH units	0	4	6.37	6.89	7.48
Electrical Conductivity (field)	1	uS/cm	0	4	1442	1934.5	2313
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.51	3.7975	6.85
Redox (field)	0.1	mV	0	4	-84.2	-12	68.8
Temperature (field)	0.1	deg c	0	4	14.6	19	21.4
Ammonia(N)	0.01	mg/L	4	4	BDL	0.686667	1.3
Chloride	1	mg/L	4	4	380	492.5	590

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.1	pH units	4	4	6.9	7.375	7.6
Sulphate (S)	5	mg/L	4	4	2	19.75	53
Total Dissolved Solids	10	mg/L	4	4	900	1100	1200
Total Organic Carbon	5	mg/L	4	4	BDL	3	4
Total Alkalinity as CaCO3	20	mg/L	4	4	170	265	350
Calcium	0.5	mg/L	4	4	36	39.25	44
Magnesium	0.5	mg/L	4	4	51	54.5	58
Potassium	0.5	mg/L	4	4	5.9	7.475	8.4
Sodium	0.5	mg/L	4	4	180	285	350
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.4	0.4	0.4
Nitrate (as N)	0.02	mg/L	1	1	0.007	0.007	0.007
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	2.7	2.7	2.7
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
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	0.66	0.66	0.66
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.35	0.35	0.35
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
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 13 — BH15S

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.5	5.555	5.62
Standing Water Elevation	0.01	mAHD	0	4	2.88	2.945	3
pH (field)	0.01	pH units	0	4	6.09	6.665	6.9
Electrical Conductivity (field)	1	uS/cm	0	4	2346	3514.5	4270
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.19	2.005	2.9
Redox (field)	0.1	mV	0	4	-100.3	-23.525	69.2
Temperature (field)	0.1	deg c	0	4	18.7	20.3	22.7
Ammonia(N)	0.01	mg/L	4	4	79	119.75	150
Chloride	1	mg/L	4	4	510	552.5	610
pH	0.1	pH units	4	4	7.2	7.475	7.8
Sulphate (S)	5	mg/L	4	4	BDL	9.33333	19
Total Dissolved Solids	10	mg/L	4	4	1700	1750	1900
Total Organic Carbon	5	mg/L	4	4	56	86	100
Total Alkalinity as CaCO3	20	mg/L	4	4	550	1137.5	1400
Calcium	0.5	mg/L	4	4	38	41.75	45
Magnesium	0.5	mg/L	4	4	88	94.75	100
Potassium	0.5	mg/L	4	4	70	74.5	77
Sodium	0.5	mg/L	4	4	330	402.5	470
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	0.005	0.005	0.005
Nitrite (as N)	0.02	mg/L	1	1	0.03	0.03	0.03
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.01	0.01	0.01
Arsenic (filtered)	0.001	mg/L	1	1	0.022	0.022	0.022
Barium (filtered)	0.02	mg/L	1	1	0.7	0.7	0.7

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
Cobalt (filtered)	0.001	mg/L	1	1	0.009	0.009	0.009
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	0.27	0.27	0.27
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.016	0.016	0.016
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	1	1.2	1.2	1.2
TRH C6-C10 (F1)	0.02	mg/L	1	1	0.044	0.044	0.044
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.52	0.52	0.52
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.72	0.72	0.72
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 14 — BH11

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.47	3.9225	4.15
Standing Water Elevation	0.01	mAHD	0	4	20.01	20.2375	20.69
pH (field)	0.01	pH units	0	4	5.68	6.47	6.94
Electrical Conductivity (field)	1	uS/cm	0	4	18350	20050	21410
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.38	0.875	1.52
Redox (field)	0.1	mV	0	4	-92.6	-46.2	19.2
Temperature (field)	0.1	deg c	0	4	16.6	18.425	19.8
Ammonia(N)	0.01	mg/L	4	4	0.26	0.3875	0.69
Chloride	1	mg/L	4	4	6400	7025	7900
pH	0.1	pH units	4	4	6.6	7.175	7.8

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Sulphate (S)	5	mg/L	4	4	310	430	480
Total Dissolved Solids	10	mg/L	4	4	13000	15750	18000
Total Organic Carbon	5	mg/L	4	4	8	14.25	32
Total Alkalinity as CaCO3	20	mg/L	4	4	730	915	1000
Calcium	0.5	mg/L	4	4	76	84	94
Magnesium	0.5	mg/L	4	4	870	950	1000
Potassium	0.5	mg/L	4	4	52	54	55
Sodium	0.5	mg/L	4	4	3300	3350	3500
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.9	0.9	0.9
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.17	0.17	0.17
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
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	2.4	2.4	2.4
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.026	0.026	0.026
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
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 15 — BH9B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTC	4	4	5.96	6.2775	6.72
Standing Water Elevation	0.01	mAHD	0	4	2.45	2.8925	3.21
pH (field)	0.01	pH units	0	4	5.73	6.435	7.03
Electrical Conductivity (field)	1	uS/cm	0	4	1274	1404	1534
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.49	2.4325	4.22
Redox (field)	0.1	mV	0	4	-93.2	-52.85	28.8
Temperature (field)	0.1	deg c	0	4	20.2	21.1	23.3
Ammonia(N)	0.01	mg/L	4	4	7	7.375	7.7
Chloride	1	mg/L	4	4	120	167.5	200
pH	0.1	pH units	4	4	6.5	7.05	7.4
Sulphate (S)	5	mg/L	4	4	19	36.5	52
Total Dissolved Solids	10	mg/L	4	4	760	845	950
Total Organic Carbon	5	mg/L	4	4	14	15.5	16
Total Alkalinity as CaCO3	20	mg/L	4	4	430	497.5	540
Calcium	0.5	mg/L	4	4	65	79.75	99
Magnesium	0.5	mg/L	4	4	53	60.25	66
Potassium	0.5	mg/L	4	4	14	14.75	16
Sodium	0.5	mg/L	4	4	88	106	130
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	0.44	0.44	0.44
Nitrite (as N)	0.02	mg/L	1	1	0.023	0.023	0.023
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.39	0.39	0.39
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
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	0.46	0.46	0.46
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.054	0.054	0.054
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 16 — BH3G

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	11.48	11.665	11.77
Standing Water Elevation	0.01	mAHD	0	4	3.68	3.785	3.97
pH (field)	0.01	pH units	0	4	4.85	5.9875	6.7
Electrical Conductivity (field)	1	uS/cm	0	4	525	608	680
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.3	2.8875	5.25
Redox (field)	0.1	mV	0	4	16.7	74	120.9
Temperature (field)	0.1	deg c	0	4	17.8	20	22.3
Ammonia(N)	0.01	mg/L	4	4	BDL	0.105	0.23
Chloride	1	mg/L	4	4	100	127.5	160
pH	0.1	pH units	4	4	5.9	6.45	7.2
Sulphate (S)	5	mg/L	4	4	38	50	59

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Dissolved Solids	10	mg/L	4	4	320	342.5	380
Total Organic Carbon	5	mg/L	4	4	BDL	2	3
Total Alkalinity as CaCO3	20	mg/L	4	4	39	45.75	52
Calcium	0.5	mg/L	4	4	8.1	9.025	10
Magnesium	0.5	mg/L	4	4	9.7	11.675	15
Potassium	0.5	mg/L	4	4	2	3.075	5
Sodium	0.5	mg/L	4	4	81	87.5	92
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	0.58	0.58	0.58
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.01	0.01	0.01
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.071	0.071	0.071
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
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	0.3	0.3	0.3
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.33	0.33	0.33
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
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	14.32	14.36	14.39
Standing Water Elevation	0.01	mAHD	0	4	1.07	1.1	1.14
pH (field)	0.01	pH units	0	4	5.96	6.8775	7.5
Electrical Conductivity (field)	1	uS/cm	0	4	952	1059.25	1207
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.73	3.18	5.52
Redox (field)	0.1	mV	0	4	-83.8	-41.375	1.7
Temperature (field)	0.1	deg c	0	4	17.3	19.875	21.6
Ammonia(N)	0.01	mg/L	4	4	BDL	0.326667	0.53
Chloride	1	mg/L	4	4	140	167.5	190
pH	0.1	pH units	4	4	6.9	7.525	8.3
Sulphate (S)	5	mg/L	4	4	31	46.5	64
Total Dissolved Solids	10	mg/L	4	4	540	642.5	840
Total Organic Carbon	5	mg/L	4	4	1	3.425	6.7
Total Alkalinity as CaCO3	20	mg/L	4	4	260	267.5	270
Calcium	0.5	mg/L	4	4	24	33.25	50
Magnesium	0.5	mg/L	4	4	20	24.75	33
Potassium	0.5	mg/L	4	4	5	6.05	7
Sodium	0.5	mg/L	4	4	150	180	220
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.4	0.4	0.4
Nitrate (as N)	0.02	mg/L	1	1	0.05	0.05	0.05
Nitrite (as N)	0.02	mg/L	1	1	0.008	0.008	0.008
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.77	0.77	0.77
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
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	0.58	0.58	0.58
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.029	0.029	0.029
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 18 — BH3I

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	14.43	14.5375	14.6
Standing Water Elevation	0.01	mAHD	0	4	0.83	0.8925	1
pH (field)	0.01	pH units	0	4	7.17	7.5075	7.84
Electrical Conductivity (field)	1	uS/cm	0	4	1068	1160.25	1209
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.78	6.42	14.32
Redox (field)	0.1	mV	0	4	-88.5	-58.625	-22.7
Temperature (field)	0.1	deg c	0	4	17.3	20.45	22.6
Ammonia(N)	0.01	mg/L	4	4	BDL	0.406667	0.47
Chloride	1	mg/L	4	4	190	205	220
pH	0.1	pH units	4	4	7.8	8.125	8.3
Sulphate (S)	5	mg/L	4	4	BDL	2.33333	3
Total Dissolved Solids	10	mg/L	4	4	620	682.5	730

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Organic Carbon	5	mg/L	4	4	BDL	5.25	8.5
Total Alkalinity as CaCO3	20	mg/L	4	4	270	320	340
Calcium	0.5	mg/L	4	4	14	16	17
Magnesium	0.5	mg/L	4	4	12	13.75	16
Potassium	0.5	mg/L	4	4	5	5.5	5.9
Sodium	0.5	mg/L	4	4	230	242.5	260
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.5	0.5	0.5
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	0.006	0.006	0.006
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.9	0.9	0.9
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
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	0.045	0.045	0.045
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.014	0.014	0.014
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
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	12.1	13.265	13.78
Standing Water Elevation	0.01	mAHD	0	4	-2.68	-2.165	-1
pH (field)	0.01	pH units	0	4	6.93	7.52	7.78
Electrical Conductivity (field)	1	uS/cm	0	4	2381	2721.5	2990
Dissolved Oxygen (field)	0.01	mg/L	0	4	2.13	4.61	6.18
Redox (field)	0.1	mV	0	4	-99.4	-49.325	-17.2
Temperature (field)	0.1	deg c	0	4	18.6	20.6	23.2
Ammonia(N)	0.01	mg/L	4	4	0.18	0.3325	0.44
Chloride	1	mg/L	4	4	780	807.5	870
pH	0.1	pH units	4	4	7.6	7.9	8.3
Sulphate (S)	5	mg/L	4	4	BDL	1	1
Total Dissolved Solids	10	mg/L	4	4	1600	1600	1600
Total Organic Carbon	5	mg/L	4	4	1	2.95	6.8
Total Alkalinity as CaCO3	20	mg/L	4	4	260	292.5	330
Calcium	0.5	mg/L	4	4	34	39.5	43
Magnesium	0.5	mg/L	4	4	70	73.75	76
Potassium	0.5	mg/L	4	4	6.5	7	7.4
Sodium	0.5	mg/L	4	4	380	432.5	510
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.5	0.5	0.5
Nitrate (as N)	0.02	mg/L	1	1	0.063	0.063	0.063
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.02	0.02	0.02
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	4	4	4
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL

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	0.076	0.076	0.076
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.017	0.017	0.017
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 20 — BH4D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	0	Well BH4D Has been Dry		
Standing Water Elevation	0.01	mAHD	0	0			
pH (field)	0.01	pH units	0	0			
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			
Ammonia(N)	0.01	mg/L	4	0			
Chloride	1	mg/L	4	0			
pH	0.1	pH units	4	0			
Sulphate (S)	5	mg/L	4	0			
Total Dissolved Solids	10	mg/L	4	0			
Total Organic Carbon	5	mg/L	4	0			

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Alkalinity as CaCO3	20	mg/L	4	0			
Calcium	0.5	mg/L	4	0			
Magnesium	0.5	mg/L	4	0			
Potassium	0.5	mg/L	4	0			
Sodium	0.5	mg/L	4	0			
Chromium (hexavalent)	0.05	mg/L	1	0			
Fluoride	0.1	mg/L	1	0			
Nitrate (as N)	0.02	mg/L	1	0			
Nitrite (as N)	0.02	mg/L	1	0			
Phenolics (Total)	0.1	mg/L	1	0			
Aluminium (filtered)	0.05	mg/L	1	0			
Arsenic (filtered)	0.001	mg/L	1	0			
Barium (filtered)	0.02	mg/L	1	0			
Cadmium (filtered)	0.0002	mg/L	1	0			
Chromium (filtered)	0.001	mg/L	1	0			
Cobalt (filtered)	0.001	mg/L	1	0			
Copper (filtered)	0.001	mg/L	1	0			
Lead (filtered)	0.001	mg/L	1	0			
Manganese (filtered)	0.005	mg/L	1	0			
Mercury (filtered)	0.0001	mg/L	1	0			
Zinc (filtered)	0.005	mg/L	1	0			
Benzene	0.001	mg/L	1	0			
Toluene	0.001	mg/L	1	0			
Ethylbenzene	0.001	mg/L	1	0			
Total Xylenes	0.003	mg/L	1	0			
Total Petroleum Hydrocarbons	0.1	mg/L	1	0			
TRH C6-C10 (F1)	0.02	mg/L	1	0			
TRH C10 - C16 (F2)	0.05	mg/L	1	0			
TRH C16 - C34 (F3)	0.1	mg/L	1	0			
TRH C34 - C40 (F4)	0.1	mg/L	1	0			
Total PAHs	0.001	mg/L	1	0			
Total OCPs	0.002	mg/L	1	0			
Total OPPs	0.02	mg/L	1	0			

Monitoring Point 21 — BH7A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.82	5.975	6.08
Standing Water Elevation	0.01	mAHD	0	4	2.86	2.965	3.12
pH (field)	0.01	pH units	0	4	4.63	5.465	6.01
Electrical Conductivity (field)	1	uS/cm	0	4	751	823.75	868
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.41	1.575	2.71
Redox (field)	0.1	mV	0	4	48.1	70.25	90.6
Temperature (field)	0.1	deg c	0	4	18.3	18.7	19.3
Ammonia(N)	0.01	mg/L	4	4	0.08	0.1565	0.24
Chloride	1	mg/L	4	4	110	120	130
pH	0.1	pH units	4	4	5.7	6.35	6.9
Sulphate (S)	5	mg/L	4	4	110	117.5	120
Total Dissolved Solids	10	mg/L	4	4	460	477.5	500
Total Organic Carbon	5	mg/L	4	4	BDL	3	4
Total Alkalinity as CaCO3	20	mg/L	4	4	99	114.75	130
Calcium	0.5	mg/L	4	4	11	12.5	14
Magnesium	0.5	mg/L	4	4	19	21.25	24
Potassium	0.5	mg/L	4	4	9.8	10.7	12
Sodium	0.5	mg/L	4	4	110	120	130
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.031	0.031	0.031
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Manganese (filtered)	0.005	mg/L	1	1	0.8	0.8	0.8
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.018	0.018	0.018
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 22 — BH8B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.1	5.2075	5.29
Standing Water Elevation	0.01	mAHD	0	4	8.3	8.3825	8.49
pH (field)	0.01	pH units	0	4	5.67	6.355	6.88
Electrical Conductivity (field)	1	uS/cm	0	4	751	1332	2179
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.32	5.855	19.47
Redox (field)	0.1	mV	0	4	-80.9	-27.325	34
Temperature (field)	0.1	deg c	0	4	17.8	18.675	19.5
Ammonia(N)	0.01	mg/L	4	4	0.62	0.735	0.8
Chloride	1	mg/L	4	4	160	190	220
pH	0.1	pH units	4	4	6.5	7.15	7.8
Sulphate (S)	5	mg/L	4	4	37	45	51
Total Dissolved Solids	10	mg/L	4	4	570	640	760
Total Organic Carbon	5	mg/L	4	4	4	5.3	7.2
Total Alkalinity as CaCO3	20	mg/L	4	4	210	247.5	280
Calcium	0.5	mg/L	4	4	23	29.25	36

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Magnesium	0.5	mg/L	4	4	29	35.5	44
Potassium	0.5	mg/L	4	4	6.3	7.4	8.3
Sodium	0.5	mg/L	4	4	140	152.5	190
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.25	0.25	0.25
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
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	1.3	1.3	1.3
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.03	0.03	0.03
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.78	6.3725	7.37
Standing Water Elevation	0.01	mAHD	0	4	5.77	6.7675	7.36
pH (field)	0.01	pH units	0	4	5.52	6.1375	6.47
Electrical Conductivity (field)	1	uS/cm	0	4	1497	2002.5	2907
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.35	1.2625	3.37
Redox (field)	0.1	mV	0	4	36.5	65.425	89.8
Temperature (field)	0.1	deg c	0	4	18.9	19.25	19.5
Ammonia(N)	0.01	mg/L	4	4	0.53	1.2475	2.1
Chloride	1	mg/L	4	4	360	515	710
pH	0.1	pH units	4	4	6.4	6.975	7.4
Sulphate (S)	5	mg/L	4	4	63	118.25	150
Total Dissolved Solids	10	mg/L	4	4	940	1210	1600
Total Organic Carbon	5	mg/L	4	4	BDL	5.66667	7
Total Alkalinity as CaCO3	20	mg/L	4	4	75	186.25	250
Calcium	0.5	mg/L	4	4	16	24.75	36
Magnesium	0.5	mg/L	4	4	46	55.25	73
Potassium	0.5	mg/L	4	4	6.7	10.925	14
Sodium	0.5	mg/L	4	4	230	325	450
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	0.008	0.008	0.008
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	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	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.088	0.088	0.088
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.005	0.005	0.005
Copper (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.3	1.3	1.3
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Zinc (filtered)	0.005	mg/L	1	1	0.017	0.017	0.017
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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 24 — BH17A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	10.68	10.74	10.78
Standing Water Elevation	0.01	mAHD	0	4	3.71	3.75	3.81
pH (field)	0.01	pH units	0	4	6.8	7.12	7.56
Electrical Conductivity (field)	1	uS/cm	0	4	3755	11633.8	15650
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.58	1.35	3.23
Redox (field)	0.1	mV	0	4	-263.8	-142.7	-2.8
Temperature (field)	0.1	deg c	0	4	13.2	18.825	22.3
Ammonia(N)	0.01	mg/L	4	4	0.63	0.79	0.91
Chloride	1	mg/L	4	4	4900	5050	5200
pH	0.1	pH units	4	4	7.8	7.925	8
Sulphate (S)	5	mg/L	4	4	310	362.5	490
Total Dissolved Solids	10	mg/L	4	4	8400	10100	11000
Total Organic Carbon	5	mg/L	4	4	1	5.25	14
Total Alkalinity as CaCO3	20	mg/L	4	4	840	1010	1100
Calcium	0.5	mg/L	4	4	110	140	160
Magnesium	0.5	mg/L	4	4	490	567.5	630
Potassium	0.5	mg/L	4	4	32	35	37

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Sodium	0.5	mg/L	4	4	2100	2275	2500
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.7	0.7	0.7
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	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	BDL	BDL	BDL
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	0.001	0.001	0.001
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
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	0.23	0.23	0.23
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.006	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	1	BDL	BDL	BDL
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	BDL	BDL	BDL
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 26 — LG1

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

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	5	5	0	0	0

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	12	9	0	258778	599000

Monitoring Point 31 — LG7

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	12	12	260000	312250	354000

Monitoring Point 33 — LHD

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.62	8.34	9.22
Electrical Conductivity (field)	1	uS/cm	0	4	2464	3629.5	4763
Dissolved Oxygen (field)	0.01	mg/L	0	4	3.21	8.1725	13.29
Redox (field)	0.1	mV	0	4	-84.4	0.125	61.3
Temperature (field)	0.1	deg c	0	4	18.8	24.325	30.4
Standing Water Level	0.1	m	1	1	3	3	3

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (lab)	0.1	pH units	1	4	8.2	8.55	8.9
Electrical Conductivity (lab)	1	uS/cm	4	4	3400	4100	4400
Ammonia(N)	0.01	mg/L	1	4	43	77.25	110
Chloride	1	mg/L	1	4	250	315	370
Sulphate (S)	1	mg/L	1	4	25	113.5	200
Fluoride	0.1	mg/L	1	4	0.4	0.65	1.3
Total Alkalinity as CaCO3	1	mg/L	1	4	420	1680	2200
Calcium	1	mg/L	1	4	21	41.5	64
Magnesium	1	mg/L	1	4	76	87.5	100
Potassium	1	mg/L	1	4	64	69.5	79
Sodium	1	mg/L	1	4	610	735	1000
Phosphate	0.1	mg/L	1	4	0.008	0.029	0.08
Total Phosphorous	0.05	mg/L	1	4	BDL	0.633333	0.94
Total Organic Carbon	0.02	mg/L	1	4	120	187.5	320
Total Kjeldahl Nitrogen	1	mg/L	0	4	44	101	140
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.03	0.03
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.147333	0.36
Total Dissolved Solids	5	mg/L	1	1	3100	3100	3100
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	0.02	0.02	0.02
Arsenic (filtered)	0.001	mg/L	1	1	0.018	0.018	0.018
Barium (filtered)	0.02	mg/L	1	1	0.17	0.17	0.17
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.024	0.024	0.024
Cobalt (filtered)	0.001	mg/L	1	1	0.006	0.006	0.006
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	0.24	0.24	0.24
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.004	0.004	0.004
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
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	0.79	0.79	0.79
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.27	0.27	0.27
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.52	0.52	0.52
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 34 — Dam B7 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.57	7.715	7.86
Electrical Conductivity (field)	1	uS/cm	0	4	3425	3591	3757
Dissolved Oxygen (field)	0.01	mg/L	0	4	4.13	4.56	4.99
Redox (field)	0.1	mV	0	4	-45.9	-18.7	8.5
Temperature (field)	0.1	deg c	0	4	25.8	27.75	29.7
pH (lab)	0.01	pH units	4	4	8.6	8.6	8.6
Electrical Conductivity (lab)	1	uS/cm	4	4	3300	3450	3600
Ammonia (as N)	0.01	mg/L	4	4	1.8	1.85	1.9
Total Suspended Solids	1	mg/L	4	4	20	21	22
Total Organic Carbon	1	mg/L	4	4	17	17.5	18

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	7.56	8.065	8.57
Electrical Conductivity (field)	1	uS/cm	0	4	831	1051.5	1272
Dissolved Oxygen (field)	0.01	mg/L	0	4	2.3	3.805	5.31
Redox (field)	0.1	mV	0	4	-121.2	-111.65	-102.1
Temperature (field)	0.1	deg c	0	4	21.1	24.3	27.5
pH (lab)	0.01	pH units	4	4	8.6	8.7	8.8
Electrical Conductivity (lab)	1	uS/cm	4	4	1000	1050	1100
Ammonia (as N)	0.01	mg/L	4	4	0.027	0.0515	0.076

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Suspended Solids	1	mg/L	4	4	BDL	22	22
Total Organic Carbon	1	mg/L	4	4	18	18.5	19

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 Yet Been Constructed		
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	4	0			
Electrical Conductivity (lab)	1	uS/cm	4	0			
Ammonia (as N)	0.01	mg/L	4	0			
Total Suspended Solids	1	mg/L	4	0			
Total Organic Carbon	1	mg/L	4	0			

Monitoring Point 37 — X1 Riser

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	3	6.64	6.98333	7.43
Electrical Conductivity (field)	1	uS/cm	0	3	3073	4604	6973
Dissolved Oxygen (field)	0.01	mg/L	0	3	1.25	1.56333	2.16
Redox (field)	0.1	mV	0	3	-95.3	-42.8667	22.1
Temperature (field)	0.1	deg c	0	3	19.2	22.0667	24.5
Standing Water Level	0.1	m	1	3	5.5	15.1	30.6
pH (lab)	0.1	pH units	1	3	7.6	7.76667	8
Electrical Conductivity (lab)	1	uS/cm	4	3	5000	5733.33	6400
Ammonia(N)	0.01	mg/L	1	3	130	186.667	260
Chloride	1	mg/L	1	3	250	290	360
Sulphate (S)	1	mg/L	1	3	39	109.667	230
Fluoride	0.1	mg/L	1	3	0.5	0.8	1.3
Total Alkalinity as CaCO3	1	mg/L	1	3	220	2206.67	3500
Calcium	1	mg/L	1	3	69	93.3333	130

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Magnesium	1	mg/L	1	3	76	105.333	130
Potassium	1	mg/L	1	3	61	75	96
Sodium	1	mg/L	1	3	550	850	1000
Phosphate	0.1	mg/L	1	3	0.4	0.553333	0.74
Total Phosphorous	0.05	mg/L	1	3	0.08	0.63	0.98
Total Organic Carbon	0.02	mg/L	1	3	130	500	690
Total Kjeldahl Nitrogen	1	mg/L	0	3	180	206.667	230
Nitrate (as N)	0.01	mg/L	1	3	BDL	BDL	BDL
Nitrite (as N)	0.1	mg/L	1	3	BDL	BDL	BDL
Total Dissolved Solids	5	mg/L	1	0	0	BDL	BDL
Phenolics (Total)	0.05	mg/L	1	0	0	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	0	0	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	0	0	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	0	0	BDL	BDL
Barium (filtered)	0.02	mg/L	1	0	0	BDL	BDL
Cadmium (filtered)	0.0002	mg/L	1	0	0	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	0	0	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	0	0	BDL	BDL
Copper (filtered)	0.001	mg/L	1	0	0	BDL	BDL
Lead (filtered)	0.001	mg/L	1	0	0	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	0	0	BDL	BDL
Mercury (filtered)	0.0001	mg/L	1	0	0	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	0	0	BDL	BDL
Benzene	0.001	mg/L	1	0	0	BDL	BDL
Toluene	0.001	mg/L	1	0	0	BDL	BDL
Ethylbenzene	0.001	mg/L	1	0	0	BDL	BDL
Total Xylene	0.003	mg/L	1	0	0	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	0	0	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	0	0	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	0	0	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	0	0	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	0	0	BDL	BDL
Total PAHs	0.001	mg/L	1	0	0	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total OCPs	0.002	mg/L	1	0	0	BDL	BDL
Total OPPs	0.02	mg/L	1	0	0	BDL	BDL

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