

Name of Test	Biological oxygen demand	Chemical oxygen demand	Electrical conductivity	Nitrogen (total)	pH	Phosphorus (total)	Sodium absorption ratio	Total dissolved solids	Total suspended solids	Exchangeable calcium	Exchangeable magnesium	Exchangeable potassium	Exchangeable sodium	Nitrate nitrogen	P sorption capacity	Potassium	Ammonia	Calcium	Magnesium	Total Kjeldahl nitrogen	Sodium	Standing water level
Unit of measure	mg/L	mg/L	µs/cm	mg/L	pH	mg/L	SAR	mg/L	mg/L	cmol(+)/kg	cmol(+)/kg	cmol(+)/kg	cmol(+)/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/L	mg/L	mg/L	metres
4/04/2023 Discharge and Monitoring Point 1	2120	11300	1150	28	3.7	2.73	2	1300	605					0.3				17.5	6.39	28	41.6	
4/04/2023 Discharge and Monitoring Point 2	235	364	176	3	5.4	0.51	1	44	181					0.1				7.02	3.93	3	10.9	
4/04/2023 Soil Monitoring Point 3			57	1280	8.8	469	<1			7.3	1.96	1.07	<0.02	15	243	2430					1270	
4/04/2023 Soil Monitoring Point 11			120	2450	8.2	566	<1			8.94	3.42	2.35	0.09	72	316	3490					2380	
4/04/2023 Soil Monitoring Point 12			139	2700	8	646	<1			9.43	3.75	4.52	0.33	54	344	4860					2650	
3/04/2023 Groundwater Monitoring Point 8			1450	<2	7.4	0.11								0.4		14.4	<0.1	4.38	4.75	<2	294	3.45
3/04/2023 Groundwater Monitoring Point 9			8860	<2	8.2	0.1								0.6		76.1	<0.1	37.7	169	<2	1470	2.95
3/04/2023 Groundwater Monitoring Point 10			3560	<2	8.3	0.73								1.2		51.1	<0.1	34.9	31.2	<2	718	3.15
3/04/2023 Groundwater Monitoring Point 13			1860	22	8.1	0.26								22.2		21.7	<0.1	12.7	13.4	<2	369	2.84
3/04/2023 Groundwater Monitoring Point 7			1340	7	7.6	0.11								7.1		31.6	<0.1	90.8	58.5	<2	61.4	3.8
11/09/2023 Discharge and Monitoring Point 1	259	855	744	17	4.3	2.69	1	476	63													
11/09/2023 Discharge and Monitoring Point 2	1440	3400	1680	32	6.2	6.56	13	1080	560													
11/10/2023 Groundwater Monitoring Point 8																						3.47
11/10/2023 Groundwater Monitoring Point 9																						3.14
11/10/2023 Groundwater Monitoring Point 10																						2.68
11/10/2023 Groundwater Monitoring Point 13																						2.32
11/10/2023 Groundwater Monitoring Point 7																						3.74

Note: if Groundwater point 7 is dry depth is > 4.9m

Discharge and Monitoring Point 1

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Biological oxygen demand	mg/L	2	2	p	2120	2120
Chemical oxygen demand	mg/L	2	2	855	11300	6077.5
Electrical conductivity	µs/cm	2	2	744	1150	947
Nitrogen (total)	mg/L	2	2	17	28	22.5
pH	pH	2	2	3.7	4.3	4
Phosphorus (total)	mg/L	2	2	2.69	2.73	2.71
Sodium absorption ratio	SAR	2	2	1	2	1.5
Total dissolved solids	mg/L	2	2	476	1300	888
Total suspended solids	mg/L	2	2	63	605	334

Discharge and Monitoring Point 2

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Biological oxygen demand	mg/L	2	2	235	1440	837.5
Chemical oxygen demand	mg/L	2	2	364	3400	1882
Electrical conductivity	µs/cm	2	2	176	1680	928
Nitrogen (total)	mg/L	2	2	3	32	17.5
pH	pH	2	2	5.4	6.2	5.8
Phosphorus (total)	mg/L	2	2	0.51	6.56	3.535
Sodium absorption ratio	SAR	2	2	1	13	7
Total dissolved solids	mg/L	2	2	44	1080	562
Total suspended solids	mg/L	2	2	181	560	370.5

Soil Quality Monitoring Point 3

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Electrical conductivity	µs/cm	1	1	57	57	57
Exchangeable calcium	cmol(+)/kg	1	1	7.3	7.3	7.3
Exchangeable magnesium	cmol(+)/kg	1	1	1.96	1.96	1.96
Exchangeable potassium	cmol(+)/kg	1	1	1.07	1.07	1.07
Exchangeable sodium	cmol(+)/kg	1	1	<0.02	<0.02	<0.02
Nitrate nitrogen	mg/kg	1	1	15	15	15
Total nitrogen	mg/kg	1	1	1280	1280	1280
pH	pH	1	1	8.8	8.8	8.8
Total phosphorus	mg/kg	1	1	469	469	469
P sorption capacity	mg/kg	1	1	243	243	243
Potassium	mg/kg	1	1	2430	2430	2430
Sodium absorption ratio	SAR	1	1	<1	<1	<1

Groundwater Quality Monitoring Point 7

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Ammonia	mg/L	1	0	<0.1	<0.1	<0.1
Calcium	mg/L	1	0	90.8	90.8	90.8
Electrical conductivity	µs/cm	1	0	1340	1340	1340
Magnesium	mg/L	1	0	58.5	58.5	58.5
Nitrate nitrogen	mg/L	1	0	7.1	7.1	7.1
Total nitrogen	mg/L	1	0	7	7	7
pH	pH	1	0	7.6	7.6	7.6
Phosphorus (total)	mg/L	1	0	0.11	0.11	0.11
Potassium	mg/L	1	0	31.6	31.6	31.6
Sodium	mg/L	1	0	61.4	61.4	61.4
Standing water level	metres	2	2	3.74	2.84	3.29

Groundwater Quality Monitoring Point 8

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Ammonia	mg/L	1	1	<0.1	<0.1	<0.1
Calcium	mg/L	1	1	4.38	4.38	4.38
Electrical conductivity	µs/cm	1	1	1450	1450	1450
Magnesium	mg/L	1	1	4.75	4.75	4.75
Nitrate nitrogen	mg/L	1	1	0.4	0.4	0.4
Total nitrogen	mg/L	1	1	<2	<2	<2
pH	pH	1	1	7.4	7.4	7.4
Phosphorus (total)	mg/L	1	1	0.11	0.11	0.11
Potassium	mg/L	1	1	14.4	14.4	14.4
Sodium	mg/L	1	1	294	294	294
Standing water level	metres	2	2	3.45	3.47	3.46

Ground Water Quality Monitoring Point 9

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Ammonia	mg/L	1	1	<0.1	<0.1	<0.1
Calcium	mg/L	1	1	37.7	37.7	37.7
Electrical conductivity	µs/cm	1	1	8860	8860	8860
Magnesium	mg/L	1	1	169	169	169
Nitrate nitrogen	mg/L	1	1	0.6	0.6	0.6
Total nitrogen	mg/L	1	1	<2	<2	<2
pH	pH	1	1	8.2	8.2	8.2
Phosphorus (total)	mg/L	1	1	0.1	0.1	0.1
Potassium	mg/L	1	1	76.1	76.1	76.1
Sodium	mg/L	1	1	1470	1470	1470
Standing water level	metres	2	2	2.95	3.14	3.045

Groundwater Quality Monitoring Point 10

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Ammonia	mg/L	1	1	<0.1	<0.1	<0.1
Calcium	mg/L	1	1	34.9	34.9	34.9
Electrical conductivity	µs/cm	1	1	3560	3560	3560
Magnesium	mg/L	1	1	31.2	31.2	31.2
Nitrate nitrogen	mg/L	1	1	1.2	1.2	1.2
Total nitrogen	mg/L	1	1	<2	<2	<2
pH	pH	1	1	8.3	8.3	8.3
Phosphorus (total)	mg/L	1	1	0.73	0.73	0.73
Potassium	mg/L	1	1	51.1	51.1	51.1
Sodium	mg/L	1	1	718	718	718
Standing water level	metres	2	2	2.68	3.15	2.915

Soil Quality Monitoring Point 11

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Electrical conductivity	µs/cm	1	1	120	120	120
Exchangeable calcium	cmol(+)/kg	1	1	8.94	8.94	8.94
Exchangeable magnesium	cmol(+)/kg	1	1	3.42	3.42	3.42
Exchangeable potassium	cmol(+)/kg	1	1	2.35	2.35	2.35
Exchangeable sodium	cmol(+)/kg	1	1	0.09	0.09	0.09
Nitrate nitrogen	mg/kg	1	1	72	72	72
Total nitrogen	mg/kg	1	1	2450	2450	2450
pH	pH	1	1	8.2	8.2	8.2
Total phosphorus	mg/kg	1	1	566	566	566
P sorption capacity	mg/kg	1	1	316	316	316
Potassium	mg/kg	1	1	3490	3490	3490
Sodium absorption ratio	SAR	1	1	<1	<1	<1

Soil Quality Monitoring Point 12

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected & analysed	Lowest sample value	Highest sample value	Mean of sample
Electrical conductivity	µs/cm	1	1	139	139	139
Exchangeable calcium	cmol(+)/kg	1	1	9.43	9.43	9.43
Exchangeable magnesium	cmol(+)/kg	1	1	3.75	3.75	3.75
Exchangeable potassium	cmol(+)/kg	1	1	4.52	4.52	4.52
Exchangeable sodium	cmol(+)/kg	1	1	0.33	0.33	0.33
Nitrate nitrogen	mg/kg	1	1	54	54	54
Total nitrogen	mg/kg	1	1	2700	2700	2700
pH	pH	1	1	8	8	8
Total phosphorus	mg/kg	1	1	646	646	646
P sorption capacity	mg/kg	1	1	344	344	344
Potassium	mg/kg	1	1	4860	4860	4860
Sodium absorption ratio	SAR	1	1	<1	<1	<1

Groundwater Quality Monitoring Point 13

Name of Test	Unit of measure	No. samples required by licence	No. of samples collected &	Lowest sample value	Highest sample value	Mean of sample
Ammonia	mg/L	1	1	<0.1	<0.1	<0.1
Calcium	mg/L	1	1	12.7	12.7	12.7
Electrical conductivity	µs/cm	1	1	1860	1860	1860
Magnesium	mg/L	1	1	13.4	13.4	13.4
Nitrate nitrogen	mg/L	1	1	22.2	22.2	22.2
Total nitrogen	mg/L	1	1	22	22	22
pH	pH	1	1	8.1	8.1	8.1
Phosphorus (total)	mg/L	1	1	0.26	0.26	0.26
Potassium	mg/L	1	1	21.7	21.7	21.7
Sodium	mg/L	1	1	369	369	369
Standing water level	metres	2	2	2.32	2.84	2.58