

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	Report Reference	
Unit of measure	mg/L	mg/L	µs/cm	mg/L		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		
11/04/2024 Discharge and Monitoring Point 1	5950	9920	2150	85	4.2	14.3	7	1380	1180														Report Number:2404-0057 NATA:9597	
11/04/2024 Discharge and Monitoring Point 2	5330	8880	2120	65	3.9	8.57	5	1360	580														Report Number:2404-0057 NATA:9597	
11/04/2024 Soil Monitoring Point 3			115	2100	6.8	930	<1			12.7	3.7	1.96	0.25	25	355	1780							Report Number:2404-0058 NATA:9597	
11/04/2024 Soil Monitoring Point 11			114	1870	6.9	512	1			8.2	2.76	2.86	0.61	9	507	1870							Report Number:2404-0058 NATA:9597	
11/04/2024 Soil Monitoring Point 12			117	1410	6.9	388	1			7.82	2.8	4.64	0.57	12	518	2510							Report Number:2404-0058 NATA:9597	
11/04/2024 Groundwater Monitoring Point 8			1480	<2	7.3	0.09								0.3		13	<0.1	4.67	6.47	<2	3.27	3.52		
11/04/2024 Groundwater Monitoring Point 9			8860	<2	8.2	0.12								0.5		62.6	0.7	46.9	224	<2	1660	3.09		
11/04/2024 Groundwater Monitoring Point 10			3800	<2	8.7	0.58								1		50.1	<0.1	20	51.2	<2	784	3.1		
11/04/2024 Groundwater Monitoring Point 13			1990	15	8.4	0.32								14		25	<0.1	15.5	18.6	<2	410	2.84		
11/04/2024 Groundwater Monitoring Point 7			1150	6	7.3	0.07								6.3		36.2	<0.1	103	73.9	<2	87.3	3.77		
18/09/2024 Discharge and Monitoring Point 1	3060	4940	8710	32	12.6	5.34	<1	7030	342														Report Number: 2409-0061 NATA:9597	
18/09/2024 Discharge and Monitoring Point 2	2020	3250	1440	57	6.3	3.02	8	1300	114														Report Number: 2409-0061 NATA:9597	
Groundwater Monitoring Point 8																							3.47	
Groundwater Monitoring Point 9																								3.11
Groundwater Monitoring Point 10																								2.58
Groundwater Monitoring Point 13																								2.54
Groundwater Monitoring Point 7																								3.75

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	3060	5950	4505
Chemical oxygen demand	mg/L	2	2	4940	9920	7430
Electrical conductivity	µs/cm	2	2	2150	8710	5430
Nitrogen (total)	mg/L	2	2	32	85	58.5
pH	pH	2	2	4.2	12.6	8.4
Phosphorus (total)	mg/L	2	2	5.34	14.3	9.82
Sodium absorption ratio	SAR	2	2	7	7	7
Total dissolved solids	mg/L	2	2	1380	7030	4205
Total suspended solids	mg/L	2	2	342	1180	761

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	2020	5330	3675
Chemical oxygen demand	mg/L	2	2	3250	8880	6065
Electrical conductivity	µs/cm	2	2	1440	2120	1780
Nitrogen (total)	mg/L	2	2	57	65	61
pH	pH	2	2	3.9	6.3	5.1
Phosphorus (total)	mg/L	2	2	3.02	8.57	5.795
Sodium absorption ratio	SAR	2	2	5	8	6.5
Total dissolved solids	mg/L	2	2	1300	1360	1330
Total suspended solids	mg/L	2	2	114	580	347

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	115	115	115
Exchangeable calcium	cmol(+)/kg	1	1	12.7	12.7	12.7
Exchangeable magnesium	cmol(+)/kg	1	1	3.7	3.7	3.7
Exchangeable potassium	cmol(+)/kg	1	1	1.96	1.96	1.96
Exchangeable sodium	cmol(+)/kg	1	1	0.25	0.25	<0.02
Nitrate nitrogen	mg/kg	1	1	25	25	25
Total nitrogen	mg/kg	1	1	2100	2100	2100
pH	pH	1	1	6.8	6.8	6.8
Total phosphorus	mg/kg	1	1	930	930	930
P sorption capacity	mg/kg	1	1	355	355	355
Potassium	mg/kg	1	1	1780	1780	1780
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	Mean of sample
Ammonia	mg/L	1	0	<0.1	<0.1	<0.1
Calcium	mg/L	1	0	103	103	103
Electrical conductivity	µs/cm	1	0	1150	1150	1150
Magnesium	mg/L	1	0	73.9	73.9	73.9
Nitrate nitrogen	mg/L	1	0	6.3	6.3	6.3
Total nitrogen	mg/L	1	0	6	6	6
pH	pH	1	0	7.3	7.3	7.3
Phosphorus (total)	mg/L	1	0	0.07	0.07	0.07
Potassium	mg/L	1	0	36.2	36.2	36.2
Sodium	mg/L	1	0	87.3	87.3	87.3
Standing water level	metres	2	2	3.75	2.84	3.295

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	4.67	4.67	4.67
Electrical conductivity	µs/cm	1	1	1480	1480	1480
Magnesium	mg/L	1	1	6.47	6.47	6.47
Nitrate nitrogen	mg/L	1	1	0.3	0.3	0.3
Total nitrogen	mg/L	1	1	<2	<2	<2
pH	pH	1	1	7.3	7.3	7.3
Phosphorus (total)	mg/L	1	1	0.09	0.09	0.09
Potassium	mg/L	1	1	13.0	13	13
Sodium	mg/L	1	1	3.27	3.27	3.27
Standing water level	metres	2	2	3.47	3.52	3.495

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	0.7	0.7	0.7
Calcium	mg/L	1	1	46.9	46.9	46.9
Electrical conductivity	µs/cm	1	1	8860	8860	8860
Magnesium	mg/L	1	1	224	224	224
Nitrate nitrogen	mg/L	1	1	0.5	0.5	0.5
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	0.12	0.12	0.12
Potassium	mg/L	1	1	62.6	62.6	62.6
Sodium	mg/L	1	1	1660	1660	1660
Standing water level	metres	2	2	3.09	3.11	3.1

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	20	20	20
Electrical conductivity	µs/cm	1	1	3800	3800	3800
Magnesium	mg/L	1	1	51.2	51.2	51.2
Nitrate nitrogen	mg/L	1	1	1	1	1
Total nitrogen	mg/L	1	1	<2	<2	<2
pH	pH	1	1	8.7	8.7	8.7
Phosphorus (total)	mg/L	1	1	0.58	0.58	0.58
Potassium	mg/L	1	1	50.1	50.1	50.1
Sodium	mg/L	1	1	784	784	784
Standing water level	metres	2	2	2.58	3.1	2.84

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	114	114	114
Exchangeable calcium	cmol(+)/kg	1	1	8.2	8.2	8.2
Exchangeable magnesium	cmol(+)/kg	1	1	2.76	2.76	2.76
Exchangeable potassium	cmol(+)/kg	1	1	2.86	2.86	2.86
Exchangeable sodium	cmol(+)/kg	1	1	0.61	0.61	0.61
Nitrate nitrogen	mg/kg	1	1	9	9	9
Total nitrogen	mg/kg	1	1	1870	1870	1870
pH	pH	1	1	6.9	6.9	6.9
Total phosphorus	mg/kg	1	1	512	512	512
P sorption capacity	mg/kg	1	1	507	507	507
Potassium	mg/kg	1	1	1870	1870	1870
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	117	117	117
Exchangeable calcium	cmol(+)/kg	1	1	7.82	7.82	7.82
Exchangeable magnesium	cmol(+)/kg	1	1	2.8	2.8	2.8
Exchangeable potassium	cmol(+)/kg	1	1	4.64	4.64	4.64
Exchangeable sodium	cmol(+)/kg	1	1	0.57	0.57	0.57
Nitrate nitrogen	mg/kg	1	1	12	12	12
Total nitrogen	mg/kg	1	1	1410	1410	1410
pH	pH	1	1	6.9	6.9	6.9
Total phosphorus	mg/kg	1	1	388	388	388
P sorption capacity	mg/kg	1	1	518	518	518
Potassium	mg/kg	1	1	2510	2510	2510
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 & 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	15.5	15.5	15.5
Electrical conductivity	µs/cm	1	1	1990	1990	1990
Magnesium	mg/L	1	1	18.6	18.6	18.6
Nitrate nitrogen	mg/L	1	1	14	14	14
Total nitrogen	mg/L	1	1	15	15	15
pH	pH	1	1	8.4	8.4	8.4
Phosphorus (total)	mg/L	1	1	0.32	0.32	0.32
Potassium	mg/L	1	1	25.0	25	25
Sodium	mg/L	1	1	410	410	410
Standing water level	metres	2	2	2.54	2.84	2.69