

Tharbogang Borehole Test Results 2022

Depth (m)

	Test Results		2022			
	May-22	Sep-22	Frequency require by EPL sample for period	MIN of samples for period	MAX of samples for period	AVERAGE
Bore Hole 1	13.50	0.00	2	13.5	13.5	13.5
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	13.20	0.00	2	13.2	13.2	13.2
Bore Hole 4	6.00	0.00	2	6	6	6
Bore Hole 5	18.20	0.00	2	18.2	18.2	18.2
Bore Hole 6	18.50	0.00	2	18.5	18.5	18.5
Bore Hole 7	20.60	0.00	2	20.6	20.6	20.6
Leachate dam 1 Pt 9	0.00	0.00	2	0	0	0
Sed Pond dam 2 Pt 8	0.00	0.00	2	0	0	0

pH

	Test Results					
	May-22	Sep-22				
Bore Hole 1	8.13	0.00	2	8.13	8.13	8.13
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	7.78	0.00	2	7.78	7.78	7.78
Bore Hole 4	8.04	0.00	2	8.04	8.04	8.04
Bore Hole 5	7.99	0.00	2	7.99	7.99	7.99
Bore Hole 6	8.42	0.00	2	8.42	8.42	8.42
Bore Hole 7	7.77	0.00	2	7.77	7.77	7.77
Leachate dam 1 Pt 9	7.27	0.00	2	7.27	7.27	7.27
Sed Pond dam 2 Pt 8	8.78	0.00	2	8.78	8.78	8.78

Alkalinity (mg/L)

	Test Results					
	May-22	Sep-22				
Bore Hole 1	331.00	0.00	2	331	331	331
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	1240.00	0.00	2	1240	1240	1240
Bore Hole 4	624.00	0.00	2	624	624	624
Bore Hole 5	814.00	0.00	2	814	814	814
Bore Hole 6	905.00	0.00	2	905	905	905
Bore Hole 7	261.00	0.00	2	261	261	261
Leachate dam 1 Pt 9	465.00	0.00	2	465	465	465
Sed Pond dam 2 Pt 8	321.00	0.00	2	321	321	321

Fluoride (mg/L)

	Test Results					
	May-22	Sep-22				
Bore Hole 1	0.70	0.00	2	0.7	0.7	0.7
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	0.60	0.00	2	0.6	0.6	0.6
Bore Hole 4	0.60	0.00	2	0.6	0.6	0.6
Bore Hole 5	1.00	0.00	2	1	1	1
Bore Hole 6	0.50	0.00	2	0.5	0.5	0.5
Bore Hole 7	0.30	0.00	2	0.3	0.3	0.3
Leachate dam 1 Pt 9	0.50	0.00	2	0.5	0.5	0.5
Sed Pond dam 2 Pt 8	0.50	0.00	2	0.5	0.5	0.5

Chloride (mg/L)

	Test Results					
	May-22	Sep-22				
Bore Hole 1	446.00	0.00	2	446	446	446
Bore Hole 2	0.00	0.00	2	0	0	0
Bore Hole 3	4140.00	0.00	2	4140	4140	4140
Bore Hole 4	1550.00	0.00	2	1550	1550	1550
Bore Hole 5	1750.00	0.00	2	1750	1750	1750
Bore Hole 6	899.00	0.00	2	899	899	899
Bore Hole 7	112.00	0.00	2	112	112	112
Leachate dam 1 Pt 9	535.00	0.00	2	535	535	535
Sed Pond dam 2 Pt 8	154.00	0.00	2	154	154	154

Tharboqang Borehole Test Results 2022

Sulphate (mg/L) SO₄

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
May-22	Sep-22					
13.00	0.00	2	25	25	25	18/05/2022
5.00	0.00	2	0	0	0	18/05/2022
8.00	0.00	2	560	560	560	18/05/2022
0.00	0.00	2	174	174	174	18/05/2022
0.00	0.00	2	276	276	276	18/05/2022
44682.00	0.00	2	549	549	549	18/05/2022
1900.00	0.00	2	13	13	13	18/05/2022
0.00	0.00	2	5	5	5	18/05/2022
14200.00	0.00	2	8	8	8	18/05/2022

Sp. Conductance (uS/cm)

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
May-22	Sep-22					
1900.00	0.00	2	1900	1900	1900	18/05/2022
0.00	0.00	2	0	0	0	18/05/2022
14200.00	0.00	2	14200	14200	14200	18/05/2022
6130.00	0.00	2	6130	6130	6130	18/05/2022
7320.00	0.00	2	7320	7320	7320	18/05/2022
12300.00	0.00	2	12300	12300	12300	18/05/2022
869.00	0.00	2	869	869	869	18/05/2022
2270.00	0.00	2	2270	2270	2270	18/05/2022
1080.00	0.00	2	1080	1080	1080	18/05/2022

Suspended.Solid (mg/L)

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
May-22	Sep-22					
92.00	0.00	2	92	92	92	18/05/2022
0.00	0.00	2	0	0	0	18/05/2022
15.00	0.00	2	15	15	15	18/05/2022
22.00	0.00	2	22	22	22	18/05/2022
124.00	0.00	2	124	124	124	18/05/2022
143.00	0.00	2	143	143	143	18/05/2022
21.00	0.00	2	21	21	21	18/05/2022
48.00	0.00	2	48	48	48	18/05/2022
<5	0.00	2	<5	<5	#DIV/0!	18/05/2022

Total Org Carbon-filt (mg/L)

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
May-22	Sep-22					
2.00	0.00	2	2	2	2	18/05/2022
0.00	0.00	2	0	0	0	18/05/2022
24.00	0.00	2	24	24	24	18/05/2022
15.00	0.00	2	15	15	15	18/05/2022
7.00	0.00	2	7	7	7	18/05/2022
36.00	0.00	2	36	36	36	18/05/2022
46.00	0.00	2	46	46	46	18/05/2022
103.00	0.00	2	103	103	103	18/05/2022
44.00	0.00	2	44	44	44	18/05/2022

Total Phenol (mg/L)

Bore Hole 1
Bore Hole 2
Bore Hole 3
Bore Hole 4
Bore Hole 5
Bore Hole 6
Bore Hole 7
Leachate dam 1 Pt 9
Sed Pond dam 2 Pt 8

Test Results						
May-22	Sep-22					
<1.0	<1.0	2	<1.0	<1.0	<1.0	18/05/2022
0.00	0.00	2	0	0	0	18/05/2022
<1.0	<1.0	2	<1.0	<1.0	<1.0	18/05/2022
<1.0	<1.0	2	<1.0	<1.0	<1.0	18/05/2022
<1.0	<1.0	2	<1.0	<1.0	<1.0	18/05/2022
<1.0	<1.0	2	<1.0	<1.0	<1.0	18/05/2022
<1.0	<1.0	2	<1.0	<1.0	<1.0	18/05/2022
0.00	0.00	2	<1.0	<1.0	<1.0	18/05/2022
<1.0	<1.0	2	<1.0	<1.0	<1.0	18/05/2022

Tharbogang Borehole Test Results 2022

Dissolved Iron (mg/L)

	Test Results						
	May-22	Sep-22					
Bore Hole 1	4.40	0.00	2	4.4	4.40	4.4	18/05/2022
Bore Hole 2	0.00	0.00	2	0	0.00	0	18/05/2022
Bore Hole 3	5.06	0.00	2	5.06	5.06	5.06	18/05/2022
Bore Hole 4	0.34	0.00	2	0.34	0.34	0.34	18/05/2022
Bore Hole 5	2.57	0.00	2	2.57	2.57	2.57	18/05/2022
Bore Hole 6	3.17	0.00	2	3.17	3.17	3.17	18/05/2022
Bore Hole 7	0.66	0.00	2	0.66	0.66	0.66	18/05/2022
Leachate dam 1 Pt 9	0.54	0.00	2	0.54	0.54	0.54	18/05/2022
Sed Pond dam 2 Pt 8	0.48	0.00	2	0.48	0.48	0.48	18/05/2022

Dissolved Manganese (mg/L)

	Test Results						
	May-22	Sep-22					
Bore Hole 1	19.00	0.00	2	0.065	0.065	0.065	18/05/2022
Bore Hole 2	0.00	0.00	2	0	0	0	18/05/2022
Bore Hole 3	248.00	0.00	2	2.21	2.21	2.21	18/05/2022
Bore Hole 4	179.00	0.00	2	0.132	0.132	0.132	18/05/2022
Bore Hole 5	114.00	0.00	2	0.032	0.032	0.032	18/05/2022
Bore Hole 6	686.00	0.00	2	1.03	1.03	1.03	18/05/2022
Bore Hole 7	23.00	0.00	2	0.136	0.136	0.136	18/05/2022
Leachate dam 1 Pt 9	46.00	0.00	2	0.108	0.108	0.108	18/05/2022
Sed Pond dam 2 Pt 8	32.00	0.00	2	0.118	0.118	0.118	18/05/2022

Dissolved Calcium (mg/L)

	Test Results						
	May-22	Sep-22					
Bore Hole 1	12.00	0.00	2	12	12	12.00	18/05/2022
Bore Hole 2	0.00	0.00	2	0	0	0.00	18/05/2022
Bore Hole 3	149.00	0.00	2	149	149	149.00	18/05/2022
Bore Hole 4	133.00	0.00	2	133	133	133.00	18/05/2022
Bore Hole 5	64.00	0.00	2	64	64	64.00	18/05/2022
Bore Hole 6	559.00	0.00	2	559	559	559.00	18/05/2022
Bore Hole 7	48.00	0.00	2	48	48	48.00	18/05/2022
Leachate dam 1 Pt 9	28.00	0.00	2	28	28	28.00	18/05/2022
Sed Pond dam 2 Pt 8	50.00	0.00	2	50	50	50.00	18/05/2022

Dissolved Magnesium (mg/L)

	Test Results						
	May-22	Sep-22					
Bore Hole 1	19.00	0.00	2	19	19	19	18/05/2022
Bore Hole 2	0.00	0.00	2	0	0	0	18/05/2022
Bore Hole 3	248.00	0.00	2	248	248	248	18/05/2022
Bore Hole 4	179.00	0.00	2	179	179	179	18/05/2022
Bore Hole 5	114.00	0.00	2	114	114	114	18/05/2022
Bore Hole 6	686.00	0.00	2	686	686	686	18/05/2022
Bore Hole 7	23.00	0.00	2	23	23	23	18/05/2022
Leachate dam 1 Pt 9	46.00	0.00	2	46	46	46	18/05/2022
Sed Pond dam 2 Pt 8	32.00	0.00	2	32	32	32	18/05/2022

Dissolved Potassium (mg/L)

	Test Results						
	May-22	Sep-22					
Bore Hole 1	10.00	0.00	2	10	10	10	18/05/2022
Bore Hole 2	0.00	0.00	2	0	0	0	18/05/2022
Bore Hole 3	126.00	0.00	2	126	126	126	18/05/2022
Bore Hole 4	59.00	0.00	2	59	59	59	18/05/2022
Bore Hole 5	60.00	0.00	2	60	60	60	18/05/2022
Bore Hole 6	222.00	0.00	2	222	222	222	18/05/2022
Bore Hole 7	52.00	0.00	2	52	52	52	18/05/2022
Leachate dam 1 Pt 9	137.00	0.00	2	137	137	137	18/05/2022
Sed Pond dam 2 Pt 8	53.00	0.00	2	53	53	53	18/05/2022

Tharbogang Borehole Test Results 2022

Dissolved Sodium (mg/L)

	Test Results						
	May-22	Sep-22					
Bore Hole 1	344.00	0.00	2	344	344	344	18/05/2022
Bore Hole 2	0.00	0.00	2	0	0	0	18/05/2022
Bore Hole 3	2480.00	0.00	2	2480	2480	2480	18/05/2022
Bore Hole 4	827.00	0.00	2	827	827	827	18/05/2022
Bore Hole 5	1290.00	0.00	2	1290	1290	1290	18/05/2022
Bore Hole 6	959.00	0.00	2	959	959	959	18/05/2022
Bore Hole 7	79.00	0.00	2	79	79	79	18/05/2022
Leachate dam 1 Pt 9	341.00	0.00	2	341	341	341	18/05/2022
Sed Pond dam 2 Pt 8	114.00	0.00	2	114	114	114	18/05/2022

Ammonia (as N) (mg/L) N

	Test Results						
	May-22	Sep-22					
Bore Hole 1	0.58	0.00	2	0.58	0.58	0.58	18/05/2022
Bore Hole 2	0.00	0.00	2	0	0	0	18/05/2022
Bore Hole 3	0.06	0.00	2	0.06	0.06	0.06	18/05/2022
Bore Hole 4	0.03	0.00	2	0.03	0.03	0.03	18/05/2022
Bore Hole 5	<0.01	0.00	2	<0.01	<0.01	#DIV/0!	18/05/2022
Bore Hole 6	48.50	0.00	2	48.5	48.5	48.5	18/05/2022
Bore Hole 7	0.19	0.00	2	0.19	0.19	0.19	18/05/2022
Leachate dam 1 Pt 9	5.13	0.00	2	5.13	5.13	5.13	18/05/2022
Sed Pond dam 2 Pt 8	0.59	0.00	2	0.59	0.59	0.59	18/05/2022

Total Oxidised Nitrogen (as N) (mg/L)

	Test Results						
	May-22	Sep-22					
Bore Hole 1	25.40	0.00	2	25.4	25.4	25.4	18/05/2022
Bore Hole 2	0.00	0.00	2	0	0	0	18/05/2022
Bore Hole 3	0.03	0.00	2	0.03	0.03	0.03	18/05/2022
Bore Hole 4	0.02	0.00	2	0.02	0.02	0.02	18/05/2022
Bore Hole 5	9.38	0.00	2	9.38	9.38	9.38	18/05/2022
Bore Hole 6	1.02	0.00	2	1.02	1.02	1.02	18/05/2022
Bore Hole 7	1170.00	0.00	2	1170	1170	1170	18/05/2022
Leachate dam 1 Pt 9	0.13	0.00	2	0.13	0.13	0.13	18/05/2022
Sed Pond dam 2 Pt 8	0.43	0.00	2	0.43	0.43	0.43	18/05/2022

Volatile Organics (ug/L)

	Test Results						
	May-22	Sep-22					
Bore Hole 1	<50	0	2	<50	<50	<50	18/05/2022
Bore Hole 2	0	0	2				18/05/2022
Bore Hole 3	<50	0	2	<50	<50	<50	18/05/2022
Bore Hole 4	<50	0	2	<50	<50	<50	18/05/2022
Bore Hole 5	<50	0	2	<50	<50	<50	18/05/2022
Bore Hole 6	<50	0	2	<50	<50	<50	18/05/2022
Bore Hole 7	<50	0	2	<50	<50	<50	18/05/2022
Leachate dam 1 Pt 9	<50	0	2	<50	<50	<50	18/05/2022
Sed Pond dam 2 Pt 8	<50	0	2	<50	<50	<50	18/05/2022