

Geological Log - Lagoon Creek Resources

Project Location	El Hussen	Hole Number	EH-7
Pad /Number	P5		
		RL	
AGD84 X	0802506	(Elevation)/m	209
AGD84 Y	8059597	Dip	30
Start Date	8/02/2007	Azimuth True	60
		Magnetic	
Finish Date	8/03/2007	Declination	6
Logged by			
Checked by	W.D. Smith	Final Depth/m	174.8
Drilled by	Tom Browne Drilling Company		

Down Hole Gamma Survey No

Down Hole Survey	Yes
Survey at/m	Azimuth true Dip
174.8	62.5 30

Major Boundaries		Spectrometer Highs	
Unit	Depth/m	Depth/m	ppm
Pts	23.8	26.2	21.4
Stc	26		
Ptw	32		
Stc	32.5		
Ptw	EOH		

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Core Size	From	To	Interval	Recovery	Code	Lithology - rock type, components, colour, grain size	Core Bedding Angle	Core Fracture Angle	Weathering	Spectrometer reading/ppm	Comments
HQ	0	17.6	17.6	50-100	Pts	Volcanics			SOSL	<30	Highly fractured, in places completely broken, chlorite staining in amygdaloids
NQ	17.6	23.8	6.2	97-100	Pts	Volcanics		20-80	SOSL	<30	Amygdaloidal with blotchy oxidation
	23.8	26	2.2	100	Stc	Siltstone contact highly altered		60-80	SOSL	<30	Highly chloritised soft clay
	26	32	6	100	Ptw	Sandstone	70	20-70	MOML	<30	Broken first 5m, strongly leached at 28m
	32	32.5	0.5	100	Stc	Siltstone		70	SOSL	<30	Silt lens
	32.5	74.8	42.3	83-100	Ptw	Sandstone	70	10 to 90	WOWL	<30	Thin clay band at 37.5m 1cm thick. Blotchy oxidation. MOML in places
	74.8	81.8	7	100	Ptw	Sandstone	80	40-90	EF	<30	Highly fractured. Completely broken in places
	81.8	104	22.2	100	Ptw	Sandstone	70	20-90	EF	<30	Silica in fractures and blotchy oxidation
	104	111	7	100	Ptw	Sandstone	70	30-70	EF	<30	Highly fractured. 20cm clay alteration at 105m
	111	128.6	17.6	100	Ptw	Sandstone	70	0-80	EF	<30	Blotchy
	128.6	144.8	16.2	100	Ptw	Sandstone		0-90	EF	<30	More silicified than above. Qtz fill in veins. Large Qtz vein at 143.8m. Leached on fractures
	144.8	153.8	9	100	Ptw	Sandstone		10 to 90	EF	<30	Coarser sst, granular. Coarser at base. Leaching apparent at 150.8m
	153.8	162.8	9	100	Ptw	Sandstone			MOSL	<30	Fault gouge? Extensive hematite at 161.8m. Highly altered zones
	162.8	174.8	12	95-100	Ptw	Sandstone	45	30-80		<30	Coarse granular sst. Qtz veins in places. Leached on some fractures. Silicification zone at 167.8m
		EOH									

CODE FOR UNITS

PTS = Siegal Volcanics
 STC = Siltstone Contact
 PTW = Westmoreland Conglomerate

CODE FOR WEATHERING

S/M/W O = Strong/Medium/Weak Oxidation
 S/M/W L = Strong/Medium/Weak Leaching
 EF = Essentially Fresh - fresh except for secondary minerals in fractures
 F = Fresh - no secondary minerals in fractures

From	To	Theoretical recovery (m)	Actual recovery (m)	%
0	1	1	0.5	50
1	4	3	3	100
4	7	3	2	67
7	10	3	3	100
10	13	3	3	100
13	16	3	3	100
16	17.6	1.6	1.6	100
17.6	18.8	1.2	1.2	100
18.8	21.8	3	2.9	97
21.8	24.8	3	3	100
24.8	27.8	3	3	100
27.8	30.8	3	3	100
30.8	33.8	3	3	100
33.8	36.8	3	3	100
36.8	39.8	3	3	100
39.8	42.8	3	3	100
42.8	45.8	3	3	100
45.8	48.8	3	3	100
48.8	51.8	3	3	100
51.8	54.8	3	3	100
54.8	57.8	3	3	100
57.8	60.8	3	3	100
60.8	63.8	3	3	100
63.8	66.8	3	3	100
66.8	69.2	2.4	2.4	100
69.2	69.8	0.6	0.6	100
69.8	72.8	3	3	100
72.8	75.8	3	2.5	83
75.8	78.8	3	3	100
78.8	81.8	3	3	100
81.8	84.8	3	3	100
84.8	87.8	3	3	100
87.8	90.8	3	3	100
90.8	93.8	3	3	100
93.8	96.8	3	3	100
96.8	99.8	3	3	100
99.8	102.8	3	3	100
102.8	105.8	3	3	100
105.8	108.8	3	3	100
108.8	111.8	3	3	100
111.8	114.8	3	3	100
114.8	117.8	3	3	100
117.8	120.8	3	3	100
120.8	123.8	3	3	100
123.8	126.8	3	3	100
126.8	129.8	3	3	100
129.8	132.8	3	3	100
132.8	135.8	3	3	100
135.8	138.8	3	3	100
138.8	141.8	3	3	100
141.8	144.8	3	3	100
144.8	147.8	3	3	100
147.8	150.8	3	3	100
150.8	153.8	3	3	100
153.8	156.8	3	3	100
156.8	159.8	3	3	100
159.8	162.8	3	3	100
162.8	165.8	3	3	100
165.8	168.8	3	3	100
168.8	171.8	3	3	100
171.8	174.8	3	2.85	95

Core Tray	Depth (m)	U (ppm)	Th (ppm)	CPS
1	1	6.1	7.5	1032.6
2	4.2	8.7	8.8	1024.3
2	7.2	4	9.2	1021.3
3	10.2	4.8	7.1	1022.8
4	11.5	6.6	9.4	1026.4
4	13.5	6.4	10.5	1031.9
5	15.3	5.8	7.6	1029.6
5	17.3	7.2	5	1018.8
6	19	7.5	6.4	1027.2
6	21.8	6.6	8.4	1047.5
7	23.7	10.9	8.1	1034.4
7	24.4	19	4.7	1065.9
7	25.3	18.7	4.7	1071.9
7	25.8	15.7	9.3	1062
7	26.2	21.4	5.4	1058.8
8	26.9	16	10.2	1050
8	28	9.4	9.7	1037
8	29	8.9	3.8	1035.1
8	29.8	6.3	5.5	1033.6
8	30.2	6.7	10.4	1016
9	31.2	5.9	6.5	1016.6
9	32	6.2	8.5	1020.4
9	34.8	4.5	5.6	1018.9
10	36.8	2	6.8	1008.4
10	39.8	2.8	6.7	1014.8
11	41.7	2.4	7.8	1021.2
11	43.5	1.7	8.8	1006.2
12	46	4.6	6.6	993.1
12	48.8	1.4	9.3	998.8
13	51.8	4.4	6.1	1011.4
13	53.7	4.5	7.6	1016.2
14	55	3.2	5.2	1000.2
14	56.8	2.3	11.7	1023.5
15	58.8	2.6	6.3	1030.2
15	60.7	1.2	8.8	997.3
16	63.7	3.3	10.6	1008
16	64.6	2.1	11.2	992.6
16	67	1.2	8.3	1021.3
17	68.8	1.1	7.8	1015.2
17	70.8	1.9	5.3	1006.4
18	72.7	2.9	3.8	996.8
18	76	1.1	7.3	1001.4
19	77.5	3.5	3.7	998.1
19	79.5	1.6	7.3	1001
20	82	2.5	8.7	991.4
20	84.8	2.2	14.1	1014.2
21	87.7	3.1	4.7	1008.4
21	90	0.5	11.8	1013.2
22	93.8	3.1	4.2	1000.2
23	95.8	1.9	5.3	1009.8
23	97.7	3.2	7.7	997.7
24	100	2.7	8.7	1009.1
24	103	3.8	8.6	1007
25	104.7	2.6	8.2	1007.9
25	107.7	3.1	6.2	1007.4
26	109.5	3.1	8.2	1005.5
26	112	2.4	13.1	1013.3
27	115	2.7	7.2	1001.8
27	118	3.2	7.2	1003.5
28	119.8	2.2	9.3	1016.8
28	121.8	2.6	8.2	1012.7
29	123.6	1.5	11.8	1019.7
29	127	2.3	6.3	1008.8
30	128.8	2.2	7.3	1003.7
30	130.8	2.2	8.7	1009.1
31	132	1	6.4	1008
31	135.7	2.8	11.6	1007.5
32	137	2.1	9.7	1006.7
32	140.8	1.1	11.3	1011.6
33	142.8	4.7	7.6	1002.2
33	144.7	3.1	4.8	1008.4
34	146.6	3.4	5.7	1005.8
34	150	0.9	8.9	998.6
35	151.8	3.4	11.1	1000.3
35	153.8	0.6	10.8	1001.6
36	155.8	1.5	8.3	1019
36	157	1.4	11.3	1021.8
36	159	2.5	16.1	1016.5
37	161	1.8	10.3	1004.1
37	162.9	1.9	12.7	1019.8
38	164	5.9	10.4	1025.6
38	166	3.5	12.6	1016.4
39	169	1.6	9.3	1032.1
39	171.8	3.7	5.7	1021.2
40	174.8	2.8	6.7	1007.8