

Geological Log - Lagoon Creek Resources

Project Location Pad /Number	El Hussen P12	Hole Number	EH-12
AGD84 X	0802810	RL (Elevation)/m	198
AGD84 Y	8059342	Dip	60
Start Date	8/09/2007	Azimuth True Magnetic	245
Finish Date	8/12/2007	Declination	6
Logged by			
Checked by	W.D. Smith	Final Depth/m	100.8
Drilled by	Tom Browne Drilling Company		

Down Hole Gamma Survey No

Down Hole Survey	Yes	
Survey at/m	Azimuth true	Dip
100	241	60

Major Boundaries		Spectrometer Highs	
Unit	Depth/m	Depth/m	ppm
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	0.2	0.2		Ptw	Sandstone			SOSL	<30	Rubble
	0.2	4	3.8	97	Ptw	Sandstone	~50	30-70	MOML	<30	Some bedding at 2-3m and at 3-4m
NQ	4	7.6	3.6	100	Ptw	Sandstone		50-60	WOWL	<30	
	7.6	8.5	0.9	100	Ptw	Sandstone			SOML	<30	Intense fracturing, broken at top
	8.5	22.7	14.2	96	Ptw	Sandstone		40-70	WOWL	<30	
	22.7	24.2	1.5	90	Ptw	Sandstone			WOML	<30	Altered, intense fracturing at 23.7m altered to rubble
	24.2	28.5	4.3	90	Ptw	Sandstone		30-70	WOWL	<30	Hematized fracture at 30m
	28.5	29.3	0.8	95	Ptw	Sandstone	some 60-70		MOSL	<30	Altered soft at 28.8m, oxidized bedding at 29.2m
	29.3	34.9	5.6	95	Ptw	Sandstone		10-80	WOWL	<30	More fractured, intense at 29.8m, 31.1m and 33m
	34.9	35.6	0.7	95	Ptw	Sandstone			WOML	<30	Altered
	35.6	49.6	14	100	Ptw	Sandstone		10-80	MOWL	<30	Intense fracturing at 41.6m, 44.9m, 46.8m, 53.8m and zones at 51.4-51.8m and 67.4-67.6m, silica veins at 42.3-43.8m, leaching in fractures at 43.2m and 51.4-51.8m
	49.6	55.6	6	100	Ptw	Sandstone		0-70	WOWL	<30	
	55.6	55.8	0.2	100	Ptw	Sandstone	70	70	MOWL	<30	Lens of bedded sst
	55.8	68.2	12.4	100	Ptw	Sandstone		50-70	MOWL	<30	Intense fracturing and associated leaching at 57-57.5m and 63.2-63.6m
	68.2	71.3	3.1	100	Ptw	Conglomerate		~70	MOML	<30	Pebbles up to ~5cm, fractured throughout, fracture at 10 degrees extending from 71.6-72.2m with strong leaching at the base of the fracture
	71.3	82.8	11.5	100	Ptw	Sandstone		0-80	EF	<30	Hematized vein at 75.2m
	82.8	100.8	18	100	Ptw	Sandstone		40-70	WO	<30	Competent, coarse grained
		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	3	3	2.9	97
3	6	3	3	100
6	7.8	1.8	1.8	100
7.8	10.8	2	3	100
10.8	13.8	3	3	100
13.8	16.8	3	2.55	85
16.8	19.8	3	3	100
19.8	22.8	3	3	100
22.8	25.8	3	2.7	90
25.8	28.8	3	2.7	90
28.8	31.8	3	3	100
31.8	34.8	3	2.7	90
34.8	37.8	3	3	100
37.8	40.8	3	3	100
40.8	43.8	3	3	100
43.8	46.8	3	2.75	92
46.8	49.8	3	3	100
49.8	52.8	3	3	100
52.8	55.8	3	3	100
55.8	57.8	2	1.9	95
57.8	58.8	1	1	100
58.8	61.8	3	3	100
61.8	64.8	3	3	100
64.8	67.8	3	3	100
67.8	70.8	3	3	100
70.8	73.8	3	3	100
73.8	76.8	3	3	100
76.8	79.8	3	3	100
79.8	82.8	3	3	100
82.8	85.8	3	3	100
85.8	88.8	3	3	100
88.8	91.8	3	3	100
91.8	94.8	3	3	100
94.8	97.8	3	3	100
97.8	100.8	3	3	100

Core Tray	Depth (m)	U (ppm)	Th (ppm)	CPS
1	1.5	2.4	9.2	1028.1
1	3.4	1.4	12.7	1029.8
2	4.5	2.3	10.2	1018.8
3	7.2	5.5	8	1031.7
3	10.2	3.6	11.6	1011.2
4	12.8	3.6	6.7	1017.2
5	17.8	2	12.2	1018
6	22.1	0.9	14.3	997
7	25.1	4	9.1	1020.1
7	29.2	2.6	13.1	1015.3
8	31.9	1.3	15.2	1017.3
9	35.2	1.7	12.2	1012.9
9	37.5	2	8.3	1008.4
10	41.2	3.2	5.7	1014
11	46	1.1	9.3	1007.4
12	50.8	2.8	12.1	1004.1
13	54.3	2.3	11.7	1009.4
14	59.8	1.8	4.9	1011.2
15	64.4	2.7	5.8	1000.2
16	68.9	2.5	5.3	995.7
17	73.6	2.2	6.8	990.4
18	76.3	1.8	7.3	1006.6
18	80.1	1.2	6.4	1000.2
19	82.5	1.5	6.8	1015.2
20	87.4	2.2	10.7	945.6
21	92	1.2	10.3	1000.4
22	95.8	2.7	5.8	1005.6
22	98.4	2.1	5.8	1018.8
23	100.6	2.5	7.3	1002.9