

Geological Log - Lagoon Creek Resources

Project Location	El Hussen	Hole Number	EH-11
Pad /Number	P11		
		RL	
AGD84 X	0802652	(Elevation)/m	205
AGD84 Y	8059538	Dip	60
Start Date	8/07/2007	Azimuth True	242
		Magnetic	
Finish Date	8/08/2007	Declination	6
Logged by			
Checked by		Final Depth/m	150.2
Drilled by	Tom Browne Drilling Company		

Down Hole Gamma Survey No

Down Hole Survey	Yes
Survey at/m	Azimuth true
100.8	230.5
	Dip
	61

Major Boundaries	Spectrometer Highs
Unit	Depth/m
Ptw	ppm
	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	2	2	80	Ptw	Sandstone			SOSL	<30	Rubby, highly broken
	2	7.5	5.5	100	Ptw	Sandstone		45-90	MOSL	<30	Highly broken
NQ	7.5	11.8	4.3	100	Ptw	Sandstone		45-90	MOML	<30	More siliceous, veinlets in fractures
	11.8	18.8	7	100	Ptw	Sandstone		45-90	MOML	<30	Highly fractured, broken in places
	18.8	61.3	42.5	53-100	Ptw	Sandstone		20-90	EF	<30	EF apart from fracture zones, some clay alt in fractures, stock working at around 50.5, strongly oxidised veins at around 52m
	61.3	65.3	4	100	Ptw	Sandstone		45-80	SOSL	<30	Hematite and quartz veinlets, some core broken, zones of gouge
	65.3	70.8	5.5	100	Ptw	Sandstone		10-90	EF	<30	Competent core
	70.8	76.8	6	78	Ptw	Sandstone		0-90	WOWL	<30	Sulphide fill at 73 m, pyrite, botryoidal, hematite staining on quartz, more siliceous than above
	76.8	129	52.2	100	Ptw	Sandstone		30-90	WLMO	<30	Top 30cm strongly leached ,vuggy textures at 102, 93-93.5 strong leaching and intense fracturing, mildly siliceous through out
	129	130.8	1.8	100	Ptw	Sandstone		45-90	SOWL	<30	Siliceous, brecciated, quartz fill, strong leaching on some fractures
	130.8	150.2	19.4	100	Ptw	Sandstone		45-80	WOWL	<30	Mildly siliceous, leached at 138, leaching on some fractures
		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	2	2	1.6	80
2	5	3	3	100
5	8	3	3	100
8	10.7	2.7	2.7	100
10.7	11.8	1.1	1.1	100
11.8	13.8	2	2	100
13.8	16.8	3	3	100
16.8	19.8	3	2.9	97
19.8	22.8	3	3	100
22.8	25.8	3	3	100
25.8	28.8	3	3	100
28.8	31.8	3	3	100
31.8	34.8	3	3	100
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	3	100
46.8	49.8	3	3	100
49.8	52.8	3	3	100
52.8	55.8	3	3	100
55.8	58.8	3	3	100
58.8	61.8	3	1.6	53
61.8	64.8	3	2.6	87
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	1.7	57
76.8	79.8	3	2.35	78
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
100.8	103.8	3	3	100
103.8	106.8	3	3	100
106.8	109.8	3	3	100
109.8	112.8	3	3	100
112.8	115.8	3	3	100
115.8	118.8	3	3	100
118.8	121.8	3	3	100
121.8	124.8	3	3	100
124.8	127.8	3	3	100
127.8	130.8	3	3	100
130.8	133.8	3	3	100
133.8	136.8	3	3	100
136.8	139.8	3	3	100
139.8	142.8	3	3	100
142.8	145.8	3	3	100
145.8	148.8	3	3	100
148.8	150.2	1.4	1.4	100