

## Geological Log - Lagoon Creek Resources

<b>Project Location</b>	<b>El Hussen</b>	<b>Hole Number</b>	<b>EH-2</b>
<b>Pad /Number</b>	<b>P4</b>		
<b>AGD84 X</b>	0802247	<b>RL (Elevation)</b>	184
<b>AGD84 Y</b>	8059579	<b>Dip</b>	55
<b>Start Date</b>	23/07/2007	<b>Azimuth True</b>	56
<b>Finish Date</b>	25/07/2007	<b>Magnetic</b>	
<b>Logged by</b>		<b>Declination</b>	6
<b>Checked by</b>	W.D. Smith	<b>Final Depth/m</b>	175.8
<b>Drilled by</b>	Tom Browne Drilling Company		

**Down Hole Gamma Survey**          No

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<b>Down Hole Survey</b>	Yes	
Survey at/m	Azimuth true	Dip
100.8	56	55
175.8	56	55

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<b>Major Boundaries</b>		<b>Spectrometer Highs</b>	
Unit	Depth/m	Depth/m	ppm
Pts	74.3		
Stc	74.6		
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	13.1	13.1	58-93	Pts	Volcanics			WOSL	<30	Rubby
	13.1	17.6	4.5	100	Pts	Volcanics		40-80	WOL	<30	Amygdaloidal
NQ	17.6	31.4	13.8	100	Pts	Volcanics		30-80	MOWL	<30	More amygdaloidal
	31.4	52.9	21.5	100	Pts	Volcanics		30-80	WOML	<30	
	52.9	77.1	24.2	100	Pts	Volcanics		40-70	MOML	<30	Blotchy oxidation at base
	77.1	77.5	0.4	100	Stc	Siltstone			MOSL	<30	Soft, highly altered
	77.5	145	67.5	100	Ptw	Medium-coarse sst, occasional pebbles	70	70	MLWO	<30	Blotchy in places
	145	150	5	100	Ptw	Medium-coarse sst, oxidised.	70-80	60-70	WLMO	<30	Browner colour
	150	175.8	15.8	100	Ptw	Coarse-granular sst, occasional pebbles		50-80	WLMO	<30	Some stronger leaching in 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	1.22	61
2	5	3	1.75	58
5	8	3	1.79	60
8	11	3	2.8	93
11	14	3	1.87	62
14	17	3	3	100
17	17.6	0.6	0.6	100
17.6	19.8	2.2	2.2	100
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	2.95	98
34.8	37.8	3	3	100
37.8	40.8	3	2.94	98
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	2.86	95
55.8	58.8	3	3	100
58.8	61.8	3	2.9	97
61.8	64.8	3	2.98	99
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	3.01	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	2.98	99
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	2.99	100
133.8	136.8	3	3	100
136.8	139.8	3	2.99	100
139.8	142.8	3	2.95	98
142.8	145.8	3	3	100
145.8	148.8	3	3	100
148.8	151.8	3	3	100
151.8	154.8	3	3	100
154.8	157.8	3	3	100
157.8	160.8	3	2.96	99
160.8	163.8	3	3	100
163.8	166.8	3	2.96	99
166.8	169.8	3	3	100
169.8	172.8	3	3	100
172.8	175.8	3	3	100

Core Tray	Depth (m)	U (ppm)	Th (ppm)	CPS
1	0.5	3.4	7.1	998
1	1.5	2.6	10	1005
2	7.7	4	6.6	1004
3	12.7	5.6	9.3	1003
4	15.3	4.4	5.6	1006
5	17.3	7.4	8.2	996.9
6	19.5	6.3	6.8	998
7	24.1	5.1	3.2	995
8	28.8	2.5	11	1023.4
9	33.4	4.3	6.1	1001.1
10	38.3	5.4	7.4	995.7
11	43.1	4.2	5.1	1003.4
12	47.7	1.3	9.6	995.8
13	52.4	4.5	8.4	999
14	57	5.6	5	1008.2
15	61.6	3.9	8.5	1014.8
16	66.5	2.8	7.6	1007.2
17	71.1	2.2	9.6	999.9
18	75.6	3.3	10.9	1006
18	77.3	5.2	7.4	1009.6
19	80.4	3.7	6.6	990
20	85.2	3	6.2	994.5
21	89.1	1.8	8.6	1005.2
22	94.8	2.5	12.3	998.2
23	99.5	3.2	9.4	997.5
24	104.4	3.6	10.4	1007.2
25	109.1	3.2	6.6	1011.2
26	113.8	4.7	8.4	1009.4
27	118.5	4.8	11.2	1026.3
28	123.2	4.5	6.5	1006.9
29	128	4.2	7	986.8
30	132.8	2.7	9.5	1005.7
31	137.6	3.9	10.4	1007.2
32	142.5	3.7	8.5	1018.1
33	147.3	3	9.5	997.9
34	151.9	4.6	7.5	1014.4
35	156.6	3	9	990.5
36	161.5	3.8	8.9	1019.3
37	166.4	3.6	17	1016.7
38	171.1	2.3	15.2	1018.1
39	175.6	3.9	13.7	1030.6