

## Geological Log - Lagoon Creek Resources

<b>Project Location</b>	<b>El Hussen</b>	<b>Hole Number</b>	<b>EH-4</b>
<b>Pad /Number</b>	<b>P3</b>		
<b>AGD84 X</b>	0802361	<b>RL (Elevation)</b>	187
<b>AGD84 Y</b>	8059543	<b>Dip</b>	44
<b>Start Date</b>	28/07/2007	<b>Azimuth True</b>	61
<b>Finish Date</b>	29/07/2007	<b>Magnetic</b>	
<b>Logged by</b>		<b>Declination</b>	6
<b>Checked by</b>	W.D. Smith		
<b>Drilled by</b>	Tom Browne Drilling Company	<b>Final Depth/m</b>	176

**Down Hole Gamma Survey**                  No

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<b>Down Hole Survey</b>	Yes	
Survey at	Azimuth true	Dip
100	67	44
175	69	44

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<b>Major Boundaries</b>		<b>Spectrometer Highs</b>	
Unit	Depth	Depth	ppm
Pts	61.2		
Stc	61.9		
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	11.3	11.3	70-100	Pts	Volcanics		30-70	SOML	<30	Amygdaloidal, rubble
	11.3	12	0.7	100	Pts	Volcanics		50-70	MOWL	<30	Amygdaloidal
NQ	12	21.5	9.5	83-100	Pts	Volcanics		0-80	MOWL	<30	Amygdaloidal, more heavily fractured than above
	21.5	45.1	23.6	97-100	Pts	Volcanics		30-70	WOWL	<30	Amygdaloidal, fractured and broken, ~5cm vein at 22m with strongly oxidized zone beneath
	45.1	55.3	10.2	100	Pts	Volcanics		30-70	WOML	<30	Fractured and broken
	55.3	61.2	5.9	100	Pts	Volcanics		40-70	MOWL	<30	Blotchy oxidation
	61.2	61.9	0.7	100	Stc	Siltstone		70-80	MOWL	<30	Soft, highly altered, oxidized band at 61.8m
	61.9	63.1	1.2	97-100	Ptw	Seds - sst	60-70	40-70	MOWL	<30	Competent, fine and distinctive bedding
	63.1	124.2	61.1	100	Ptw	Seds - sst	60-70	30-80	MOWL	<30	Blotchy colour in places
	124.2	130	5.8	100	Ptw	Seds - sst	60-70	10-70	MOSL	<30	Altered black in places, slightly more fractured
	130	142.2	12.2	100	Ptw	Seds - sst	60-70	30-80	MOWL	<30	
	142.2	176	33.8	100	Ptw	Seds - cong		0-80	MOWL	<30	Coarse grains and pebbles, strongly leached in places
		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	1.4	70
2	5	3	2.3	77
5	6.5	1.5	1.5	100
6.5	8	1.5	1.5	100
8	11	3	2.5	83
11	12	1	1	100
12	14	2	2	100
14	17	3	3	100
17	20	3	2.8	93
20	23	3	3	100
23	26	3	3	100
26	29	3	3	100
29	32	3	3	100
32	35	3	3	100
35	38	3	3	100
38	41	3	3	100
41	43.9	2.9	2.8	97
43.9	47	3.1	3.1	100
47	50	3	3	100
50	53	3	3	100
53	56	3	3	100
56	59	3	3	100
59	62	3	3	100
62	65	3	3	100
65	68	3	3	100
68	71	3	3	100
71	74	3	2.9	97
74	77	3	3	100
77	80	3	3	100
80	83	3	3	100
83	86	3	3	100
86	89	3	3	100
89	92	3	3	100
92	95	3	3	100
95	98	3	3	100
98	101	3	3	100
101	104	3	3	100
104	107	3	3	100
107	110	3	3	100
110	113	3	3	100
113	116	3	3	100
116	119	3	3	100
119	122	3	3	100
122	125	3	3	100
125	128	3	3	100
128	131	3	3	100
131	134	3	3	100
134	137	3	3	100
137	140	3	3	100
140	143	3	3	100
143	146	3	3	100
146	149	3	3	100
149	152	3	3	100
152	155	3	3	100
155	158	3	3	100
158	161	3	3	100
161	164	3	3	100
164	167	3	3	100
167	170	3	3	100
170	173	3	3	100
173	176	3	3	100

Core Tray	Depth (m)	U (ppm)	Th (ppm)	CPS
1	2.5	4.9	6	979
2	7	4.1	2.3	987
3	10	2.8	7.1	994.6
4	14	3.2	6.6	974.8
5	19	1.3	11.5	992.4
6	24.5	3	6.2	991.3
7	29.2	2.7	7.6	982
8	32.1	3.4	6.6	981.2
9	36.5	3	14.2	980.6
10	42.5	2.9	6.7	1008.2
11	45.3	4.4	7	1001.4
12	51.4	6.1	6.5	1003.7
13	55	4.4	8.9	991.5
14	61.5	8.2	8.7	988.6
15	65.5	2	8.6	985.8
16	69	2.9	8	1000.2
17	74	3.8	6.1	990.7
18	78.5	3.4	6.6	988.3
19	85.5	2.6	8.5	990.1
20	90	2.2	12.3	991.7
21	93.9	3.3	5.6	982.2
22	98.6	3.1	11.8	1007
23	103.5	3.4	9.9	997.6
24	107.5	0.8	11.5	980.5
25	113	4.5	5.1	983.4
26	117.8	1.9	8.1	991.6
27	122.6	2.1	11.4	996.4
28	127	3	6.1	998.8
29	132.8	5.3	11.7	1011.2
30	136.5	4.7	10.3	996.4
31	142.4	3.2	6.6	1004.4
32	147	3.8	7.5	990.2
33	150.7	2.2	7.6	998.9
34	155.5	5.4	4.1	996.7
35	160	4.4	8.9	992.7
36	164.6	1.2	10.5	989.4
37	169.5	2.7	9.5	997
38	174	5	5.6	1012.2