

## Geological Log - Lagoon Creek Resources

<b>Project Location</b>	<b>El Hussien</b>		
<b>Pad /Number</b>	<b>South</b>	<b>Hole Number</b>	<b>EHS-2</b>
	<b>P1</b>		
<b>AGD84 X</b>	802969	<b>RL (Elevation)</b>	187
<b>AGD84 Y</b>	8059116	<b>Dip</b>	55
<b>Start Date</b>	14/08/2007	<b>Azimuth True</b>	245
<b>Finish Date</b>	19/08/2007	<b>Magnetic</b>	
<b>Logged by</b>		<b>Declination</b>	6
<b>Checked by</b>	Jock Smith	<b>Final Depth/m</b>	175.4
<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	
97.4	239	55	
175.4	97.4	55	

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<b>Major Boundaries</b>		<b>Spectrometer Highs</b>	
Unit	Depth/m	Depth/m	ppm

## Geological Log - Lagoon Creek Resources

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	4.5	4.5	76	ptw	Sandstone. Coarse - grains up to 4mm	60	50 to 60	MOML	<30	Rubbly from 3.65 to 3.8
	4.5	5.8	1.3	100	ptw	Sandstone. As above but fully competent	50 to 60	45 to 70	WOWL	<30	
NQ	5.8	15.5	9.7	99	ptw	Sandstone	50 to 60	30 to 80	MOWL	<30	
	15.5	15.9	0.4	97	ptw	Sandstone		30 to 60	MOWL	<30	
	15.9	29.4	13.5	100	ptw	Sandstone	60	40 to 80	WOWL	<30	More competent than 15.5 to 15.9 m, but more fractured than the rest of the hole
	29.4	66.4	37	100	ptw	Sandstone	50 to 60	40 to 80	WOWL	<30	ML from 44.2 to 45.4 and 47.1 to 49.1 m
	66.4	67.9	1.5	100	ptw	Sandstone - becoming coarser		0 to 70	HOML	<30	Fracture zone
	67.9	87.3	19.4	100	ptw	Sandstone	50 to 70	10 to 70	WOWL	<30	
	87.3	131.8	44.5	100	ptw	Sandstone	60	30 to 70	WOWL	<30	109.9 to 111.4 - Leached black mineral on fractures with iridescent sheen - copper?
	131.8	147	15.2	100	ptw	Sandstone		10 to 70	MOML	<30	As above but for whole interval
	147	154.3	7.3	100	ptw	Sandstone		70 to 80	EF	<30	
	154.3	175.4	21.1	100	ptw	Sandstone. Conglomerate - fragments up to 150mm		45 to 80	WOWL	<30	
		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	0.9	45
2	3.8	1.8	1.5	83
3.8	5	1.2	1.2	100
5	5.8	0.8	0.8	100
5.8	7.4	1.6	1.6	100
7.4	10.4	3	3	100
10.4	13.4	3	3	100
13.4	16.4	3	2.9	97
16.4	19.4	3	3	100
19.4	22.4	3	3	100
22.4	25.4	3	3	100
25.4	28.4	3	3	100
28.4	31.4	3	3	100
31.4	34.4	3	3	100
34.4	37.4	3	3	100
37.4	40.4	3	3	100
40.4	43.4	3	3	100
43.4	46.4	3	3	100
46.4	49.4	3	2.9	97
49.4	52.4	3	3	100
52.4	55.4	3	3	100
55.4	58.4	3	2.9	97
58.4	61.4	3	3	100
61.4	64.4	3	3	100
64.4	67.4	3	3	100
67.4	70.4	3	3	100
70.4	73.4	3	3	100
73.4	76.4	3	3	100
76.4	79.4	3	3	100
79.4	82.4	3	3	100
82.4	85.4	3	3	100
85.4	88.4	3	3	100
88.4	91.4	3	3	100
91.4	94.4	3	3	100
94.4	97.4	3	3	100
97.4	100.4	3	3	100
100.4	103.4	3	3	100
103.4	106.4	3	3	100
106.4	109.4	3	3	100
109.4	112.4	3	3	100
112.4	115.4	3	3	100
115.4	118.4	3	3	100
118.4	121.4	3	3	100
121.4	124.4	3	3	100
124.4	127.4	3	3	100
127.4	130.4	3	3	100
130.4	133.4	3	3	100
133.4	136.4	3	3	100
136.4	139.4	3	3	100