

Geological Log - Lagoon Creek Resources

Project Location Pad /Number	El Hussen P10	Hole Number	EH-9
AGD84 X	0802579	RL (Elevation)/m	210
AGD84 Y	8059537	Dip	45
Start Date	8/05/2007	Azimuth True	62
Finish Date	8/06/2007	Magnetic Declination	6
Logged by			
Checked by	W.D. Smith	Final Depth/m	215
Drilled by	Tom Browne Drilling Company		

Down Hole Gamma Survey No

Down Hole Survey No
Survey at/m Azimuth true Dip

Major Boundaries		Spectrometer Highs	
Unit	Depth/m	Depth/m	ppm
Pts	7.5		
Stc	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	6	6	100	Pts	Volcanics		30-80	SOSL	<30	Volcanics, amygdaloidal, some with silica and chlorite
NQ	6	7.5	1.5	100	Pts	Volcanics		45-90	SOSL	<30	amygdaloidal, lower half m highly altered
	7.5	9	1.5	100	Stc	Siltstone		45-80	SOSL	<30	Red-Yellow, yellow clay base, broken core at 7.7-8
	9	17.5	8.5	95-100	Ptw	Fine sandstone	80	20-90	MOML	<30	Upper 30cm highly chloritised, strong leaching on fractures, silica fill in some fractures
	17.5	19	1.5	100	Ptw	Fine sandstone		0-90	MOSL	<30	Broken core in places
	19	56.5	37.5	100	Ptw	Fine sandstone	70	0-80	WOWL	<30	Highly altered at 26.5, hematite staining on some veins, more leaching on fractures at top
	56.5	59	2.5	100	Ptw	Conglomerate	70	0-45	WOML	<30	Cong, almost continuous fractures at low angles main feature, leaching on fracture surfaces
	59	81.5	22.5	100	Ptw	Medium sandstone	80	45-90	WOWL	<30	Stockwork type texture at 70.5, more blotchy than above, coarser at 74-75, strong hematite veining, up to 2cm thick, shallow to core angle 76-77
	81.5	83.5	2	100	Ptw	Quartz breccia		10-60	SOML	<30	Chlorite staining, hematite zones, highly silicified
	83.5	120.5	37	100	Ptw	Quartz rich sandstone		20-90	EF	<30	Leaching on some fractures, blotchy in places, hematite veinlets in places
	120.5	128	7.5	100	Ptw	Sandstone		30-90	SOML	<30	More silicified than above, leaching on fractures, SULPHIDE MIN AT TOP, chalcopryrite, assoc quartz. Blotchy oxidation towards bottom.
	128	129.5	1.5	100	Ptw	Matrix supported conglomerated bed		30-70	EF	<30	
	129.5	142	12.5	100	Ptw	Silicified coarse sandstone		45-90	MOWL	<30	Sulphide min at 132.5,139.7, broken in places
	142	185	43	100	Ptw	Coarse sandstone		20-90	MOML	<30	Leached on fractured, blotchy, broken and leached at 164-165
	185	196	11	100	Ptw	Coarse sandstone		0-90	WOSL	<30	Broken in places, fault gouge ?
	196	202	6	100	Ptw	Pebble conglomerate		20-80	SLWO	<30	Highly altered towards top, Highly fractured, fault gouge
	202	215	13	86.67-100	Ptw	Sandstone		45-90	MLWO	<30	Some quartz filled fractures up to 1cm thick, blotchy
		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	2.1	2.1	2.1	100
2.1	5.1	3	3	100
5.1	6	0.9	0.9	100
6	8	2	2	100
8	11	3	3	100
11	14	3	2.85	95
14	17	3	3	100
17	20	3	3	100
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	44	3	3	100
44	47	3	3	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	3	100
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
176	179	3	3	100
179	182	3	3	100
182	185	3	3	100
185	188	3	3	100
188	191	3	3	100
191	194	3	3	100
194	197	3	3	100
197	200	3	3	100
200	203	3	3	100
203	206	3	3	100
206	209	3	3	100
209	212	3	3	100
212	215	3	2.6	86.67

Core Tray	Depth (m)	U (ppm)	Th (ppm)	CPS
1	1.5	2	8.8	1027
1	1.9	9.1	9.8	1046.2
1	3.1	10.5	14.6	1061.8
2	2.6	11	5.7	1036.8
2	4.9	11.7	8.1	1038.2
2	5.5	7.8	8.4	1038
3	6.2	7.2	6.4	1032.8
3	8.1	7	9.9	1041.4
3	8.9	9.2	9.2	1032.4
3	10.1	5.5	7.5	1035.3
4	10.7	5.1	8.5	1001.2
4	13.6	4.1	4.7	1017.3
5	17.1	3.3	6.7	1004.1
6	21.2	3.4	6.2	1002.3
7	24.5	4.1	6.6	1009
7	26.6	3.1	9.6	999.4
8	30.3	1.9	5.3	991.4
9	34.9	2.3	10.2	1024.5
10	39.5	1.1	7.8	992.8
11	42.3	2.8	6.7	1008.6
11	45.1	2.4	7.7	1013.2
12	48.9	1.8	8.3	1003.4
13	53.3	2.4	5.8	1012.2
14	57.8	4	9.1	1011.4
14	58.4	3.2	9.2	1016.6
15	62.3	2	8.8	944.7
16	66.6	2.8	4.7	1018
17	71.4	2.7	5.8	993.1
18	76	1.1	5.9	1004.4
19	79.6	0.4	14.3	1016.3
19	82	3.7	9.6	1016.7
20	82.8	3.4	6.2	999.6
20	85.3	2.4	5.8	1006.8
21	89.5	1.2	10.3	1005.4
22	93	3.2	7.2	994.5
22	95.1	1.5	6.3	1008
23	98.4	3.8	7.2	1011.5
24	103	2.8	6.7	1013.6
25	105.7	2.2	7.3	1018.1
25	108.3	3.3	6.7	1020
26	112	1.5	6.8	1005
27	114.7	3.9	8.1	999.8
27	116.5	5.7	8	1029.8
27	118.3	2	8.8	1005.9
28	121	3.7	4.2	1029.6
29	124	2.8	6.2	1024
29	125.5	2.2	9.2	1015.2
30	128.5	1.7	10.8	1020.7
30	130.7	2.8	6.7	1001.5
31	133.4	4.6	5.1	997.2
31	135	1.9	7.3	999.4
32	138	2.8	8.2	1016.2
32	139.6	0.7	8.4	1004.3
33	143.4	2	8.8	1003.3
34	148.2	1.1	7.8	1016.7
35	153	1.4	3.9	1006.8
36	157.4	3.3	6.7	1007.8
37	160.7	1.2	8.3	1014.5
37	163	2.7	5.8	1014.4
38	166.3	2.3	10.2	1019.6
39	170.8	1.8	0.9	981.4
40	175.4	2.8	0.8	993.1
41	180	2.3	0.8	990.8
42	184.5	2.5	1.3	1000.2
42	186	2.2	7.3	1017.9
43	188.7	1	10.3	1018.1
44	193.4	2.5	12.2	1037.8
45	197.2	1.3	11.8	1020.1
46	201.7	2.7	12.7	1031.6
46	205	1.3	13.3	1027.8
47	207.4	3.1	9.7	1026
48	212.1	3.1	12.1	1025
49	214	1.7	8.8	1010