

Geological Log - Lagoon Creek Resources

Project Location	El Hussen	Hole Number	EH-6
Pad /Number	P6		
		RL	
AGD84 X	0802506	(Elevation)/m	209
AGD84 Y	8059597	Dip	45
Start Date	31/07/2007	Azimuth True	60
		Magnetic	
Finish Date	8/02/2007	Declination	6
Logged by			
Checked by	W.D.Smith	Final Depth/m	250.8
Drilled by	Tom Browne Drilling Company		

Down Hole Gamma Survey No

Down Hole Survey	Yes	
Survey at/m	Azimuth true	Dip
148	60	45
202	61	46

Major Boundaries		Spectrometer Highs	
Unit	Depth/m	Depth/m	ppm
Pts	23		
Stc	27.2		
Ptw	EOH		

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	2.5	2.5	65	Pts	Volcanic			SOSL	<30	Rubbly
	2.5	5	2.5	97	Pts	Volcanic		10 to 80	SOML	<30	Broken, rubbly in places
	5	11	6	100	Pts	Volcanic		50 to 70	MOWL	<30	Amygdaloidal
	11	12	1	100	Pts	Volcanic		50 to 60	SOWL	<30	Heavily fractured, rubbly
NQ	12	23	11	97-100	Pts	Volcanic		50 to 80	SOML	<30	Leaching stronger in places, rubbly in places, contact with Ptw at 23m
	23	27.2	4.2	100	Stc	Sedimentary - siltstone layer		0 to 70	SOSL	<30	Siltstone
	27.2	121.1	93.9	100	Ptw	Sedimentary - sst	70 to 80	10 to 80	WOWL	<30	33.3 and 68.8 =siltstone lens, 101.3=fracture, 86.8-92=blotchy sst
	121.1	169.9	48.8	100	Ptw	Sedimentary - sst		45 to 70	WOWL	<30	Coarser than above. 134=siltstone lens (15cm thick), 136.8=fracture
	169.9	170.6	0.7	100	Ptw	Sedimentary - sst			WOWL	<30	Fracture zone, rubbly
	170.6	220	49.4	100	Ptw	Sedimentary - sst	60 to 70	30 to 70	WOWL	<30	209-212=more heavily fractured
	220	250.8	30.8	86-100	Ptw	Sedimentary - sst. Coarser conglomerate. Some cobbles up to 10-15cm		0 to 80	WOWL	<30	Quite heavily fractured, grain supported 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	1.3	65
2	5	3	2.9	97
5	8	3	3	100
8	11	3	3	100
11	12	1	1	100
12	13.8	1.8	1.8	100
13.8	16.8	3	2.9	97
16.8	19.8	3	3	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	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	3	100
61.8	64.8	3	3	100
64.8	67.8	3	2.8	93
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	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	151.8	3	3	100
151.8	154.8	3	3	100
154.8	157.8	3	3	100
157.8	160.8	3	3	100
160.8	163.8	3	3	100
163.8	166.8	3	3	100
166.8	169.8	3	3	100
169.8	172.8	3	3	100
172.8	175.8	3	3	100
175.8	178.8	3	3	100
178.8	181.8	3	3	100
181.8	184.8	3	3	100
184.8	187.8	3	3	100
187.8	190.8	3	3	100
190.8	193.8	3	3	100
193.8	196.8	3	3	100
196.8	199.8	3	3	100
199.8	202.8	3	3	100
202.8	205.8	3	3	100
205.8	208.8	3	3	100
208.8	211.8	3	3	100
211.8	214.8	3	3	100
214.8	217.8	3	3	100
217.8	220.8	3	3	100
220.8	223.8	3	3	100
223.8	226.8	3	3	100
226.8	229.1	2.3	2.3	100
229.1	229.8	0.7	0.6	86
229.8	232.8	3	3	100
232.8	235.8	3	3	100
235.8	238.8	3	3	100
238.8	241.8	3	3	100
241.8	244.8	3	3	100
244.8	247.8	3	3	100
247.8	250.8	3	3	100

Core Tray	Depth (m)	U (ppm)	Th (ppm)	CPS
1	2	5.1	1.1	1024
1	4	3.8	0	1019.6
2	5.8	3.3	1.3	991.8
2	7.8	2.8	0	1017.2
3	8.5	2	0.9	988.7
3	11	2	1.4	1009.9
4	11.9	1.7	0	999.6
5	14	5.2	6.1	1020.2
6	18	4.4	12.1	1034.4
6	20.8	6.9	12.4	1042
7	22.8	6.6	7.5	1029.6
7	25.6	5	13.5	1047.8
8	26	7.9	12.8	1065.1
8	27.8	8.6	6.3	1040.5
9	31.8	4.1	4.7	1015.4
9	33.4	3.1	11.7	1040.2
10	36.9	2.3	6.3	1005.4
10	39	1.8	8.3	1026.1
11	40.8	2.3	10.2	1006.5
11	43.8	2.5	14.1	1043
12	46.8	3	8.7	1022.9
13	49.5	3.1	9.7	1029.8
13	53	2.2	9.2	1014.6
14	56	0.9	7.4	1015.8
15	59	3.4	7.7	1013.4
15	61.8	2.6	6.3	1025.6
16	64.8	1.7	10.8	1013.5
17	68.8	5.9	8.5	1018.9
17	71.5	3.1	11.6	1022.6
18	74.6	2.9	11.2	1010.2
18	77	2.8	8.2	1011.8
19	80	1.6	7.8	1025.1
20	82.7	2.5	10.7	1017.6
20	86.3	1.7	7.3	1020.4
21	89	2.2	11.2	1022.3
22	92	4.4	4.7	1018
22	95	3.2	7.7	1029.6
23	98	1.8	11.7	1005.5
23	100.7	0.3	11.4	1007.8
24	103.8	4.5	7.6	1030.3
25	106.7	2.9	16.6	1040.6
25	109.6	3.5	10.7	1026.6
26	112	2.4	9.3	1023.8
26	115	4	7.2	1019.4
27	117.8	3.2	9.2	1031
28	120.7	3.4	9.7	1029.2
28	123.7	3.3	10.7	1023.8
29	125.7	4.6	6.7	1028.2
29	128.4	5.4	10.5	1043
30	130	3.5	10.6	1042.6
30	132.1	2.8	8.8	1035.8
30	134.2	4.3	11.1	1053.2
31	136	2.6	8.3	1050.8

31	138	1.8	6.4	1045.1
32	139.7	3.9	8.2	1031.9
32	142.5	2.4	7.8	1042.8
33	145.1	2.7	13.2	1034.9
33	147.7	3.6	10.2	1014.4
34	150	3.4	9.7	1012.1
34	152.6	5	9.6	1017.2
35	154.7	4.1	6.7	1012
35	157.5	3	14.6	1038.8
36	159	3.7	11.1	1040.3
36	161	3.1	10.2	1032.2
37	162.7	2.5	8.8	1021.9
37	165.7	2.1	9.8	1012.7
38	167.8	3.2	7.8	1016
38	169.7	4.4	6.2	1036.4
39	172	4	9.2	1034.6
39	174.7	3.3	6.7	1025.7
40	176.6	2.5	6.8	1024.9
40	178.2	2.4	14.7	1021.8
41	180.8	2.2	5.4	1039.8
41	183.8	1.9	9.3	1032.2
42	186.5	2.5	7.3	1033.9
42	188.5	3.6	6.2	1038.4
43	190.3	4	12.6	1009.2
43	192	4.1	8.6	1024.2
43	194	5.5	7.6	1040.1
44	196.7	3.2	7.7	1025.2
45	199.4	2.3	8.8	1046.7
45	202	3.6	8.7	1027.6
46	204.8	3.1	6.3	1025.7
46	207.8	2.8	8.2	1008.6
47	209.8	2.2	10.7	1010.3
47	212.3	2.9	11.2	1023.6
48	213.8	1.9	7.3	1027.1
48	215.9	2.1	11.7	1041.1
49	217.8	2.5	9.3	1040.4
49	220.4	3.3	6.7	1039
50	223	3.9	10.2	1035.9
50	225	4.4	8.2	1032.2
51	226.7	3	11.2	1031.2
51	228.4	2.2	18.1	1043
51	230.3	4.9	15.5	1045.9
52	231.8	4.3	11.1	1039.3
52	233.8	4.3	14.6	1030.4
53	235	4.5	15	1037.4
53	237	3.7	9.7	1053.6
53	238.4	4.6	14.1	1046.6
54	240.2	1.9	16.7	1050
54	242	5.1	10.6	1038.5
55	244.7	3.2	11.2	1045.7
55	246.8	4.9	14	1031.3
56	248.3	2.9	15.2	1049.8
56	250.3	1.7	18.2	1056.2