

DEFIANCE MINING NL - MATHINNA PROJECT - REVERSE CIRCULATION DRILL HOLE LOG

Prospect	New Golden Gate	Geologist	DG Jackson	Easting	574584m	Hole No	RC99MT050
Date Commenced	17.6.99	Drillers	Diamond Drill Tas	Northing	5406725m	Azimuth	270AMG
Date Completed	18.6.99	Hole Depth	127m	RL	308.4m	Inclination	57

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		Tailings - No Recovery					2	5	106217
1	2		Tailings - No Recovery					5	7	106218
2	3	ybr	Clay			0		7	9	106219
3	4	ybr	Clay, minor weathered siltstone			10	fe w	9	11	106220
4	5	ybr	Clay, minor weathered siltstone			10	fe w	11	13	106221
5	6	ybr	Clay, Siltstone & Sandstone, weath. Lag round pebbles			0		13	14	106222
6	7	ybr	Clay			1	w fe	14	16	106223
7	8	ybr	Siltstone, weathered			1	w fe	16	18	106224
8	9	ybr	Siltstone, weathered			0		18	20	106225
9	10	ybr	Siltstone, weathered Cement contamination			3	w fe	20	22	106226
10	11	ybr	Siltstone, weathered Cement contamination			0		22	24	106227
11	12	ybr	Siltstone, weathered Cement contamination			0		24	26	106228
12	13	ybr	Siltstone, weathered Cement contamination			0		26	28	106229
13	14	ybr	Siltstone, weathered Cement contamination			70	w fe	28	30	106230
14	15	ybr	Siltstone, weathered			1	w fe			
15	16	ybr	Siltstone, weathered			0				
16	17	ybr	Siltstone, weathered			5	w fe			
17	18	ybr	Siltstone, weathered			0				
18	19	ybr	Siltstone, weathered			0				
19	20	ybr	Siltstone, weathered			2	w fe			
20	21	ybr	Siltstone, weathered			0				
21	22	ybr&gr	Siltstone, weathered			0				
22	23	lgr	Sandstone, fg & Siltstone, tr weathering			0				
23	24	lgr	Siltstone, minor sandstone, tr weathering			0				
24	25	lgr	Siltstone, tr weathering			0				
25	26	lgr	Siltstone, tr weathering			3	w			
26	27	lgr	Siltstone, fresh			0				
27	28	dgr	Siltstone, fresh			1	w			
28	29	dgr	Siltstone, fresh			0				
29	30	lgr	Siltstone & Sandstone, fg, fresh			2	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh			0		30	32	106231
31	32	lgr	Siltstone & Sandstone, fg, fresh			0		32	34	106232
32	33	lgr	Siltstone, fresh			1	w	34	36	106233
33	34	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0		36	38	106234
34	35	lgr	Siltstone & Sandstone, fg, fresh			0		38	40	106235
35	36	lgr	Siltstone, fresh			0		40	42	106236
36	37	lgr	Siltstone, fresh			0		42	44	106237
37	38	lgr	Siltstone, fresh			0		44	46	106238
38	39	lgr	Siltstone, fresh		Py spotting	0		46	47	106239
39	40	lgr	Sandstone, fg, fresh, minor siltstone	2% py	Py spotting	1	w	47	48	106240
40	41	lgr	Sandstone, fg, fresh, minor siltstone	0.5% py		0.5	w	48	49	106241
41	42	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	3	w	49	50	106242
42	43	lgr	Siltstone, fresh		Py spotting	0		50	52	106243
43	44	lgr	Sandstone, fg & Siltstone, fresh			0		52	54	106244
44	45	lgr	Sandstone, fg & Siltstone, fresh			0		54	56	106245
45	46	lgr	Siltstone, fresh			2	w	56	58	106246
46	47	lgr	Siltstone, fresh	0.5% py		3	w	58	60	106247
47	48	lgr	Siltstone, fresh	Aquifer - All samples after here	1% cg asp	95	w gr			
48	49	lgr	Siltstone, fresh	damp to some degree	1% cg asp	95	w gr			
49	50	lgr	Siltstone, fresh		0.5% py	5	w			
50	51	lgr	Siltstone, fresh			2	w			
51	52	lgr	Siltstone, fresh			10	w			
52	53	lgr	Siltstone, fresh	Tr py		1	w			
53	54	lgr	Siltstone, fresh			0.5	w			
54	55	lgr	Siltstone, fresh			2	w			
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh			3	w			
57	58	lgr	Siltstone, fresh			3	w			
58	59	lgr	Siltstone, fresh			0				
59	60	lgr	Siltstone & Sandstone, fg, fresh	Tr su		30	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			10	w	60	62	106248
61	62	lgr	Siltstone, fresh			2	w	62	64	106249
62	63	lgr	Siltstone, fresh	Tr py		3	ww	64	66	106250
63	64	lgr	Siltstone, fresh			0.5	w	66	69	106251
64	65	lgr	Siltstone, fresh			0		68	70	106252
65	66	lgr	Siltstone, fresh	Tr py		3	w	70	72	106253
66	67	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w	72	74	106254
67	68	lgr	Siltstone & Sandstone, fg, fresh			20	w	74	76	106255
68	69	lgr	Siltstone & Sandstone, fg, fresh			1	w	76	78	106256
69	70	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	78	80	106257
70	71	lgr	Siltstone & Sandstone, fg, fresh			3	w	80	82	106258
71	72	lgr	Siltstone & Sandstone, fg, fresh	1% py		5	w gr	82	84	106259
72	73	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	84	86	106260
73	74	lgr	Siltstone, fresh			0		86	88	106261
74	75	lgr	Siltstone, fresh	Tr su		5	w	88	90	106262
75	76	lgr	Siltstone, fresh			0				
76	77	lgr	Siltstone, fresh			0.5	w			
77	78	lgr	Siltstone, fresh			0				
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh	Wet	1% py	5	w			
80	81	lgr	Siltstone & Sandstone, fg, fresh	Wet		0				
81	82	lgr	Siltstone & minor sandstone, fg, fresh			0.5	w			
82	83	lgr	Siltstone, fresh			0.5	w			
83	84	lgr	Siltstone, fresh			0				
84	85	lgr	Siltstone & Sandstone, fg, fresh			0				
85	86	lgr	Siltstone & Sandstone, fg, fresh			0				
86	87	lgr	Siltstone & Sandstone, fg, fresh			0				
87	88	lgr	Sandstone, fg & Siltstone, fresh			0				
88	89	lgr	Sandstone, fg & Siltstone, fresh			0				
89	90	lgr	Sandstone, fg & Siltstone, fresh			0				

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Sandstone, fg & Siltstone, fresh			0		90	92	106263
91	92	lgr	Sandstone, fg & Siltstone, fresh			0		92	94	106264
92	93	lgr	Sandstone, fg & Siltstone, fresh			0		94	96	106265
93	94	lgr	Sandstone, fg & Siltstone, fresh			0.5	w	96	98	106266
94	95	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0		98	100	106267
95	96	lgr	Siltstone, fresh			1	w	100	102	106268
96	97	lgr	Siltstone, fresh	Wet		3	w	102	104	106269
97	98	lgr	Siltstone, fresh	Wet	Tr py	1	w	104	105	106270
98	99	lgr	Siltstone & minor sandstone, fg, fresh	Wet		0		105	106	106271
99	100	lgr	Siltstone & minor sandstone, fg, fresh	Wet		0		106	107	106272
100	101	lgr	Siltstone, fresh	Wet	0.5% py	1	w	107	108	106273
101	102	lgr	Siltstone, fresh	Damp	0.5% py	0.5	w	108	109	106274
102	103	lgr	Siltstone, fresh	Damp		0		109	110	106275
103	104	l&dgr	Siltstone, fresh	Wet	Tr py	0		110	111	106276
104	105	l&dgr	Siltstone, fresh	Wet	1% py	0.5	w	111	112	106277
105	106	lgr	Siltstone, fresh	Wet	0.5% py/asp	20	w	112	113	106278
106	107	lgr	Siltstone, fresh	Damp	0.5% py	3	w	113	114	106279
107	108	lgr	Siltstone, fresh	Damp	0.5% py	15	w	114	116	106280
108	109	l&dgr	Siltstone, fresh	Damp	2% py	20	w	116	118	106281
109	110	lgr	Siltstone, fresh	Wet	2% py/asp	50	w	118	120	106282
110	111	lgr	Siltstone, fresh	Wet	1% py/asp 3 vg	80	w			
111	112	lgr	Siltstone, fresh	Wet	3% py/asp	70	w			
112	113	dgr	Siltstone, fresh	Wet	1% py	30	w gr			
113	114	dgr	Siltstone, fresh	Wet	1% py	2	w			
114	115	dgr	Siltstone, fresh	Wet	Tr py	1	w			
115	116	dgr	Siltstone, fresh	Wet	1% py	3	w			
116	117	dgr	Siltstone, fresh	Wet	2% py	10	w			
117	118	dgr	Siltstone, fresh	Wet	0.5% py	5	w			
118	119	dgr	Siltstone, fresh	Wet	1% py	25	w			
119	120	bl	Shale, pyritic with minor graphite	Wet	2% py	20	w			

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