

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

Project	New Golden Gate	Geologist	DG Jackson	Easting	574550m	Hole No	RC99MT048
Date Commenced	15.6.99	Drillers	Diamond Drill Tas	Northing	5406725m	Azimuth	270 AMG
Date Completed	16.6.99	Hole Depth	85m	RL	310.6m	Inclination	55

Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		Tailings - No Recovery					6	8	106102
1	2		Tailings - No Recovery					8	10	106103
2	3		Tailings - No Recovery					10	13	106104
3	4		Tailings - No Recovery					13	14	106105
4	5		Tailings - No Recovery					14	16	106106
5	6		Tailings - No Recovery					16	17	106107
6	7	br	Sandstone, weathered & Clay			5	fe	17	18	106108
7	8	br	Clay & minor weathered siltstone			5	fe w	18	19	106109
8	9	br	Siltstone & Sandstone, fg, weathered			15	fe w	19	21	106110
9	10	br	Siltstone & Sandstone, fg, weathered			50	fe w	21	23	106111
10	11	ybr	Siltstone, weathered			1	w fe	23	25	106112
11	12	ybr&gr	Siltstone, partly weathered			0		25	26	106113
12	13	ybr&gr	Siltstone, partly weathered			0		26	27	106114
13	14	br	Siltstone, partly weathered	Wet		40	w fe	27	28	106115
14	15	grbr	Siltstone, partly weathered			10	w fe	28	30	106116
15	16	lgr	Siltstone, partly weathered			10	w fe			
16	17	l&dgr	Siltstone, fresh			1	w			
17	18	l&dgr	Siltstone, fresh			40	w			
18	19	lgr	Siltstone, fresh			70	w			
19	20	lgr	Siltstone, fresh			10	w			
20	21	lgr	Siltstone, fresh			2	w			
21	22	lgr	Siltstone, fresh			1	w			
22	23	lgr	Siltstone, fresh	Contaminated		1	w			
23	24	lgr	Siltstone & minor sandstone, fresh			0				
24	25	lgr	Siltstone, fresh			1	w			
25	26	l&dgr	Siltstone & Sandstone, fg, fresh	2% py		50	w gr			
26	27	lgr	Siltstone, fresh			2	w			
27	28	lgr	Siltstone, fresh			30	w			
28	29	lgr	Siltstone & Sandstone, fg, fresh			1	w			
29	30	lgr	Siltstone & Sandstone, fg, fresh			20	w			

498108

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh			1	w	30	32	106117
31	32	lgr	Siltstone & Sandstone, fg, fresh			0		32	34	106118
32	33	lgr	Siltstone & Sandstone, fg, fresh			0		34	36	106119
33	34	lgr	Sandstone, fg, fresh minor siltstone			3	w	36	38	106120
34	35	lgr	Siltstone, fresh			0		38	40	106121
35	36	lgr	Sandstone, fg & Siltstone, fresh			0		40	42	106122
36	37	lgr	Sandstone, fg & Siltstone, fresh			0		42	45	106123
37	38	lgr	Sandstone, fg & Siltstone, fresh			0		45	47	106124
38	39	lgr	Sandstone, fg & Siltstone, fresh			0		47	48	106125
39	40	lgr	Siltstone, fresh		Py spotting	0		48	49	106126
40	41	lgr	Siltstone, fresh			0		49	51	106127
41	42	lgr	Siltstone & Sandstone, fg, fresh			0		51	53	106128
42	43	lgr	Siltstone & Sandstone, fg, fresh			0		53	55	106129
43	44	lgr	Siltstone & Sandstone, fg, fresh			0		55	57	106130
44	45	lgr	Siltstone & Sandstone, fg, fresh			0		57	58	106131
45	46	lgr	Siltstone & Sandstone, fg, fresh	Tr py		2	w	58	59	106132
46	47	lgr	Siltstone & Sandstone, fg, fresh			0		59	60	106133
47	48	lgr	Siltstone & Sandstone, fg, fresh	1% py		25	w			
48	49	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		10	w			
49	50	lgr	Siltstone & Sandstone, fg, fresh			0				
50	51	lgr	Siltstone & Sandstone, fg, fresh			0				
51	52	lgr	Siltstone & Sandstone, fg, fresh			0				
52	53	lgr	Siltstone & Sandstone, fg, fresh			0				
53	54	lgr	Siltstone & Sandstone, fg, fresh	Tr su		5	w gr			
54	55	l&dgr	Sandstone, fg & Siltstone, fresh			20	w gr			
55	56	lgr	Siltstone & Sandstone, fg, fresh			2	w			
56	57	dgr	Sandstone, fg, fresh, minor siltstone			10	w			
57	58	dgr	Sandstone, fg & Siltstone, fresh			50	w			
58	59	l&dgr	Sandstone, fg & Siltstone, fresh	1% py		25	w gr			
59	60	grbr	Siltstone, fresh	0.5% py		30	w			

498109

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5% py/asp		30	w	60	61	106134
61	62	lgr	Siltstone, fresh	Tr su		50	w	61	62	106135
62	63	l&dgr	Siltstone & Sandstone, fg, fresh	1% py		50	w	62	63	106136
63	64	dgr	Siltstone, fresh	2% py		15	w	63	64	106137
64	65	dgr	Siltstone, fresh	3% py		50	w gr	64	65	106138
65	66	l&dgr	Siltstone, fresh	5% py		50	gr w	65	66	106139
66	67	lgr	Sandstone, fg & Siltstone, fresh	3% py		50	w	66	67	106140
67	68	lgr	Sandstone, fg & Siltstone, fresh	Tr py		10	w	67	69	106141
68	69	lgr	Siltstone & Sandstone, fg, fresh	Tr py		20	w	69	71	106142
69	70	lgr	Siltstone, fresh	Tr py		1	w	71	73	106143
70	71	lgr	Siltstone, fresh			0.5	w	73	75	106144
71	72	lgr	Siltstone, fresh			0		75	77	106145
72	73	lgr	Sandstone, fg & Siltstone, fresh	Tr py		5	w	77	79	106146
73	74	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		50	w	79	81	106147
74	75	lgr	Sandstone, fg & Siltstone, fresh			2	w	81	83	106148
75	76	lgr	Sandstone, fg & Siltstone, fresh			2	w	83	85	106149
76	77	lgr	Sandstone, fg & Siltstone, fresh	Tr py		30	w			
77	78	dgr	Siltstone, fresh			0.5	w			
78	79	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		5	w gr			
79	80	lgr	Siltstone, fresh			1	w			
80	81	lgr	Siltstone, fresh , minor sandstone			0				
81	82	lgr	Siltstone, fresh , minor sandstone			0				
82	83	gr	Siltstone, fresh			0				
83	84	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
84	85	lgr	Siltstone & Sandstone, fg, fresh			0				
			EOH at 85m							

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