

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

Prospect	New Golden Gate	Geologist	D G Jackson	Easting	574610.3m	Hole No	RC98MT040
Date Commenced	16.11.98	Drillers	Diamond Drill Tas	Northing	5406747.4m	Azimuth	270 AMG
Date Completed	17.11.98	Hole Depth	108m	RL	306.2m	Inclination	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Tailings & Clay - No Recovery					4	6	105706
1	2	br	Tailings & Clay - No Recovery					6	8	105707
2	3	br	Tailings & Clay - No Recovery					8	10	105708
3	4	br	Tailings & Clay - No Recovery					10	12	105709
4	5	ybr	Siltstone, weathered & Clay			0		12	14	105710
5	6	ybr	Siltstone, weathered			0		14	16	105711
6	7	lbr	Siltstone, weathered			1	fe	16	18	105712
7	8	lbr	Sandstone, fg & Siltstone, weathered			0		18	20	105713
8	9	lbr	Sandstone, fg & Siltstone, weathered			0		20	22	105714
9	10	lbr	Siltstone, weathered			0		22	24	105715
10	11	lbr	Siltstone & Sandstone, fg, weathered			2	fe	24	26	105716
11	12	lbr	Siltstone & Sandstone, fg, weathered			60	w fe	26	28	105717
12	13	lbr	Siltstone & Sandstone, fg, weathered			3	w gr fe	28	30	105718
13	14	lbr	Siltstone, weathered			0				
14	15	lbr	Siltstone, weathered			0				
15	16	lbr	Siltstone, weathered			0				
16	17	lbr	Siltstone, weathered			0				
17	18	lbr	Siltstone, weathered			3	w fe			
18	19	lbr	Siltstone, weathered			10	w fe			
19	20	lbr	Siltstone, weathered			1	w			
20	21	lbr	Siltstone, weathered			1	w			
21	22	lbr	Siltstone, weathered			0.5	w fe			
22	23	lbr	Siltstone, weathered			0				
23	24	ybr	Siltstone, weathered			0.5	w			
24	25	lbr	Siltstone, weathered			50	fe w			
25	26	lbr&gr	Siltstone, weathered			3	fe w			
26	27	lgr&br	Siltstone, partly weathered			0				
27	28	lbr&gr	Siltstone, weathered			5	w fe			
28	29	lgr&br	Siltstone, partly weathered			0				
29	30	lgr	Siltstone, partly weathered			0				

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Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, partly weathered			10	w fe	30	32	105719
31	32	lgr	Siltstone & Sandstone, slightly weathered			0.5	w fe	32	34	105720
32	33	lgr	Siltstone & Sandstone, partly weathered			10	fe w	34	36	105721
33	34	lgr	Siltstone & Sandstone, partly weathered			2	fe w	36	38	105722
34	35	lgr	Siltstone, partly weathered			1	w fe	38	40	105723
35	36	lgr	Sandstone, fg & Siltstone, partly weathered			2	w	40	42	105724
36	37	lgr	Siltstone, partly weathered			40	w fe	42	44	105725
37	38	lgr	Siltstone, fresh			0		44	46	105726
38	39	lgr	Siltstone, fresh			20	w	46	48	105727
39	40	lgr	Siltstone, fresh			1	w	48	50	105728
40	41	lgr	Siltstone, fresh			0		50	52	105729
41	42	lgr	Siltstone, fresh			0		52	54	105730
42	43	lgr	Siltstone, fresh			0		54	56	105731
43	44	lgr	Siltstone, fresh			0		56	58	105732
44	45	lgr	Siltstone, fresh			1	w	58	60	105733
45	46	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
46	47	lgr&g	Siltstone & Sandstone, fg, fresh	Tr Py		2	w			
47	48	lgrg&cm	Siltstone & Sandstone, fg, fresh	Tr Py		2	w			
48	49	lgrg&cm	Siltstone & Sandstone, fg, fresh			1	w			
49	50	lgrg&cm	Sandstone, fg, fresh			1	w			
50	51	lgrg&cm	Siltstone & Sandstone, fg, fresh			1	w			
51	52	lgr	Siltstone, fresh			1	w			
52	53	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
53	54	lgr	Siltstone & Sandstone, fg, fresh			0				
54	55	lgr	Siltstone, fresh	Tr Py		2	w			
55	56	lgr&cm	Siltstone & Sandstone, fg, fresh			1	w			
56	57	lgr	Siltstone, fresh	Tr Py		2	w			
57	58	lgr	Siltstone, fresh			0				
58	59	lgr	Siltstone & minor sandstone, fresh	Tr Py		0				
59	60	lgr	Sandstone, fg, & minor siltstone			0				

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & minor sandstone, fresh	0.5% py		2	w	60	62	105734
61	62	lgr	Siltstone, fresh	0.5% py		3	w	62	64	105735
62	63	lgr	Siltstone, fresh	Tr Py		10	w	64	66	105736
63	64	lgr	Sandstone, fg & minor siltstone			0		66	68	105737
64	65	lgr	Siltstone & minor sandstone, fresh	Tr Py		15	w	68	70	105738
65	66	lgr&cm	Sandstone, fg & Siltstone, fresh			1	w	70	72	105739
66	67	lgr	Siltstone, fresh			0		72	74	105740
67	68	lgr	Siltstone, fresh			0		74	76	105741
68	69	lgr	Siltstone, fresh	Tr py		5	w	76	78	105742
69	70	lgr	Siltstone, fresh			1	w	78	80	105743
70	71	lgr	Siltstone & minor sandstone, fresh			0		80	82	105744
71	72	lgr	Siltstone & Sandstone, fg, fresh			0		82	84	105745
72	73	lgr	Siltstone, fresh			0		84	86	105746
73	74	lgr	Siltstone, fresh			0		86	88	105747
74	75	lgr	Siltstone & minor sandstone, fresh			0		88	91	105748
75	76	lgr	Siltstone & minor sandstone, fresh	Tr py		0.5	w			
76	77	lgr	Siltstone & minor sandstone, fresh			0				
77	78	lgr	Siltstone & minor sandstone, fresh			0				
78	79	lgr	Siltstone & minor sandstone, fresh			0				
79	80	lgr	Siltstone & minor sandstone, fresh	Tr py		1	w			
80	81	lgr	Siltstone & minor sandstone, fresh			0				
81	82	lgr	Siltstone & minor sandstone, fresh	Tr py		3	w			
82	83	lgr	Siltstone, fresh	0.5% py		2	w			
83	84	lgr	Siltstone, fresh	Tr Su		1	w			
84	85	lgr	Siltstone, fresh	Tr Su		0				
85	86	lgr	Siltstone, fresh	Tr Su		2	w			
86	87	lgr	Siltstone, fresh	Tr py		0				
87	88	lgr	Siltstone, fresh			0				
88	89	lgr	Siltstone, fresh	Tr py		0.5	w			
89	90	lgr	Siltstone, fresh			0				

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr py		0		91	92	105748
91	92	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	92	93	105749
92	93	lgr	Siltstone, fresh	1% py		0.5	w	93	94	105750
93	94	lgr	Siltstone, fresh	0.5% py/asp		10	w	94	95	105751
94	95	lgr	Siltstone, fresh	Tr py		10	w	95	96	105752
95	96	lgr	Siltstone, fresh	Tr py/asp		85	w	96	97	105753
96	97	lgr	Siltstone, fresh	0.5% py/asp		70	w	97	98	105754
97	98	lgrg	Siltstone, fresh	1% cg asp		95	w	98	99	105755
98	99	lgr	Siltstone & Sandstone, fg, fresh	0.5%asp		40	w	99	100	105756
99	100	lgr	Siltstone, fresh	0.5%asp/py		30	w	100	101	105758
100	101	lgr	Siltstone, fresh	1%py		0		101	102	105759
101	102	lgr	Siltstone, fresh	0.5% cg asp/py		5	w	102	104	105760
102	103	lgr	Siltstone, fresh	Tr py		3	w	104	106	105761
103	104	lgr	Siltstone & minor sandstone, fresh	Tr py		20	w	106	108	105762
104	105	lgr	Sandstone, fg & Siltstone, fresh			0.5	w	106	108	105763
105	106	lgr	Siltstone & minor sandstone, fresh	1% py		0				
106	107	lgr	Siltstone, fresh	1% py		0				
107	108	lgr	Siltstone & minor sandstone, fresh	Tr py		0		Surveys		
108	109									
109	110		EOH at 108m					Depth	Azimuth	Inclination
110	111							30	260	48.5
111	112							60	260	48
112	113							90	260	48
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

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