

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

Aspect	New Golden Gate	Geologist	DG Jackson	Easting	574465m	Hole No	RC99MT056
Date Commenced	22.6.99	Drillers	Diamond Drill Tas	Northing	5406645m	Azimuth	270 AMG
Date Completed	23.6.99	Hole Depth	114m	RL	325m	Inclination	50

Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Clay & Overburdon Fill			0		0	2	106730
1	2	ybr	Siltstone, weathered, Clay and O/B			0.5	fe w	2	4	106731
2	3	ybr	Siltstone, weathered			1	fe w	4	5	106732
3	4	ybr	Siltstone, weathered			1	w fe	5	8	106733
4	5	ybr	Siltstone, weathered			50	w fe	8	10	106734
5	6	ybr	Siltstone, weathered			0		10	12	106735
6	7	ybr	Siltstone, weathered			0		12	14	106736
7	8	ybr	Siltstone, weathered			0		14	16	106737
8	9	ybr	Siltstone, weathered			0		16	18	106738
9	10	ybr	Siltstone, weathered			0		18	20	106739
10	11	ybr	Siltstone, weathered			0		20	22	106740
11	12	ybr	Siltstone, weathered			1	w fe	22	24	106741
12	13	ybr	Siltstone, weathered			0		24	26	106742
13	14	ybr	Siltstone, weathered			0		26	27	106743
14	15	ybr	Siltstone, weathered			0		27	28	106744
15	16	ybr	Siltstone, weathered			0		28	29	106745
16	17	ybr	Siltstone, weathered			1	w fe	29	30	106746
17	18	ybr	Siltstone, weathered			0				
18	19	ybr	Siltstone, weathered			0				
19	20	ybr	Siltstone, weathered			0				
20	21	ybr&gr	Siltstone, weathered			0				
21	22	ybr&gr	Siltstone, weathered			0				
22	23	ybr&gr	Siltstone, weathered			0.5	w fe			
23	24	ybr&gr	Siltstone, weathered			0				
24	25	ybr&gr	Siltstone & Sandstone, fg, weathered			1	w			
25	26	ybr&gr	Sandstone, fg & Siltstone, weathered			0.5	w			
26	27	ybr&gr	Sandstone, fg & Siltstone, weathered			1	w fe			
27	28	ybr&gr	Siltstone & Sandstone, fg, weathered			5	w fe			
28	29	lgr	Sandstone, fg, partly weathered	1% ox py		10	w fe			
29	30	lgr	Sandstone, fg, partly weathered	0.5% ox py		5	w fe			

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End Date	23.6.99	Hole Depth	114m	RL	325m	Inclination	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	gr	Siltstone, tr weathering	vg in fe qtz		3	w fe	30	31	106747
31	32	gr	Siltstone& Sandstone, fg , tr weathering	0.5% asp/py		1	w	31	32	106748
32	33	lgr	Sandstone, fg, fresh	Tr asp/py		1	w	32	33	106749
33	34	l&dgr	Siltstone & Sandstone, fg, fresh			10	w	33	34	106750
34	35	l&dgr	Sandstone, fg & Siltstone, fresh			0.5	w	34	36	106751
35	36	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0.5	w	36	38	106752
36	37	lgr	Siltstone & Sandstone, fg, fresh			0		38	40	106753
37	38	lgr	Siltstone & Sandstone, fg, fresh			5	w	40	41	106754
38	39	lgr	Siltstone, fresh			0.5	w	41	42	106755
39	40	lgr	Siltstone, fresh	Tr py		0.5	w	42	43	106756
40	41	lgr	Siltstone, fresh			0.5	w	43	44	106757
41	42	lgr	Siltstone, fresh	0.5% fg asp/py		60	w gr	44	45	106758
42	43	lgr	Siltstone, fresh	Tr py		3	w	45	47	106759
43	44	lgr	Sandstone, fg & Siltstone, fresh	Tr py		5	w	47	49	106760
44	45	lgr	Sandstone, fg & Siltstone, fresh	0.5% py		10	w	49	51	106761
45	46	lgr	Siltstone, fresh			0.5	w	51	53	106762
46	47	lgr	Siltstone, fresh			0		53	55	106763
47	48	l&dgr	Siltstone, fresh			1	w	55	57	106764
48	49	l&dgr	Siltstone, fresh			0.5	w	57	58	106765
49	50	l&dgr	Siltstone, fresh			2	w	58	59	106766
50	51	lgr	Siltstone, fresh			10	w	59	60	106767
51	52	lgr	Siltstone, fresh			1	w			
52	53	lgr	Siltstone, fresh			0				
53	54	lgr	Siltstone, fresh			0				
54	55	lgr	Siltstone & Sandstone, fg, fresh			2	w			
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone & Sandstone, fg, fresh			0				
57	58	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		10	w			
58	59	lgr	Siltstone, fresh	0.5% py		5	w			
59	60	lgr	Siltstone, fresh	0.5% py		30	w			

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			40	w	60	61	106768
61	62	lgr	Siltstone, fresh	Tr py		15	w	61	62	106769
62	63	lgr	Siltstone, fresh	0.5% py		30	w gr	62	63	106770
63	64	lgr	Siltstone & Sandstone, fg, fresh			5	w	63	65	106771
64	65	lgr	Siltstone & Sandstone, fg, fresh			2	w	65	67	106772
65	66	lgr	Siltstone & Sandstone, fg, fresh			5	w	67	69	106773
66	67	lgr	Siltstone & Sandstone, fg, fresh			5	w	69	70	106774
67	68	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w	70	71	106775
68	69	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w	71	72	106776
69	70	lgr	Siltstone & Sandstone, fg, fresh	Tr py		10	w	72	73	106777
70	71	lgr	Siltstone & Sandstone, fg, fresh	3% fg py/asp		80	gr w	73	74	106778
71	72	gr	Quartz	5% fg py/asp 1 vg		100	gr w	74	76	106779
72	73	lgr	Quartz	5% fg py/asp		100	gr w	76	78	106780
73	74	l&dgr	Siltstone, fresh	Tr py		5	w	78	79	106781
74	75	l&dgr	Siltstone, fresh	Tr py		25	w	79	80	106782
75	76	l&dgr	Siltstone, fresh			5	w	80	81	106783
76	77	lgr	Siltstone, fresh			3	w	81	82	106784
77	78	lgr	Siltstone, fresh			5	w	82	83	106785
78	79	l&dgr	Siltstone, fresh	Tr py		25	w	83	84	106786
79	80	gr	Siltstone, fresh	1% py/asp		20	gr w	84	85	106787
80	81	lgr	Siltstone, fresh	1% py/asp 1 cg asp		25	w gr	85	86	106788
81	82	lgr	Siltstone, fresh	3% fg py/asp		100	w gr	86	87	106789
82	83	lgr	Siltstone, fresh	1% py/asp		30	w gr	87	89	106790
83	84	lgr	Siltstone, fresh	2% py/asp		95	w gr	89	91	106791
84	85	lgr	Siltstone, fresh	2% py/asp		60	w gr			
85	86	dgr	Siltstone, fresh	1% py		60	w			
86	87	dgr	Siltstone, fresh	1% py		50	w			
87	88	l&dgr	Siltstone, fresh	Tr py		2	w			
88	89	lgr	Siltstone, fresh			1	w			
89	90	l&dgr	Siltstone, fresh			0				

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr py		3	w	91	93	106792
91	92	lgr	Siltstone, fresh	Tr py		2	w	93	95	106793
92	93	lgr	Siltstone, fresh			2	w	95	97	106794
93	94	lgr&g	Siltstone, fresh			50	w	97	99	106795
94	95	lgr&g	Siltstone, fresh	Tr py		60	w	99	101	106796
95	96	lgr&g	Siltstone, fresh			40	w	101	103	106797
96	97	lgr&g	Siltstone, fresh			0.5	w	103	105	106798
97	98	lgr	Siltstone, fresh			0		105	107	106799
98	99	lgr	Siltstone, fresh			0		107	109	106800
99	100	lgr	Siltstone, fresh			0		109	111	106801
100	101	lgr	Siltstone, fresh			0		111	114	106802
101	102	lgr	Siltstone, fresh			0				
102	103	lgr	Siltstone, fresh			0				
103	104	lgr	Siltstone, fresh			0				
104	105	lgr	Siltstone, fresh			0				
105	106	lgr	Siltstone, fresh			0				
106	107	lgr	Siltstone, fresh			0				
107	108	lgr	Siltstone, fresh			0.5	w			
108	109	lgr	Siltstone, fresh			0				
109	110	lgr	Siltstone, fresh			0				
110	111	lgr	Siltstone, fresh			1	w	Surveys		
111	112	lgr	Siltstone, fresh			1	w			
112	113	lgr	Siltstone, fresh			3	w	Depth	Azimuth	Inclination
113	114	lgr	Siltstone, fresh			5	w			
								30	263	46
			EOH at 114m					60	258	40
								90	261	39.5

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