

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

Aspect	New Golden Gate	Geologist	DG Jackson	Easting	574458m	Hole No	RC99MT057
Date Commenced	23.6.99	Drillers	Diamond Drill Tas	Northing	5406626m	Azimuth	270 AMG
Date Completed	24.6.99	Hole Depth	115m	RL	326m	Inclination	50

Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		No Recovery					1	3	106803
1	2	ybr	Siltstone, weathered			0.5	w fe	3	5	106804
2	3	ybr	Siltstone, weathered			30	w fe	5	7	106805
3	4	ybr	Siltstone, weathered			1	w fe	7	9	106806
4	5	ybr	Siltstone, weathered			0.5	w fe	9	11	106807
5	6	ybr	Siltstone, weathered			25	w fe	11	12	106808
6	7	ybr	Siltstone, weathered			1	w fe	12	13	106809
7	8	ybr	Siltstone, weathered			0.5	w fe	13	14	106810
8	9	ybr	Siltstone, weathered			1	w fe	14	15	106811
9	10	ybr&gr	Siltstone, weathered			0		15	16	106812
10	11	ybr	Siltstone, weathered			0		16	18	106813
11	12	ybr	Siltstone, weathered			15	w fe	18	20	106814
12	13	ybr	Siltstone, weathered	9 vg (tiny)		70	w fe	20	21	106815
13	14	ybr	Siltstone, weathered	2 vg		60	fe w	21	22	106816
14	15	ybr	Siltstone, weathered			90	w fe	22	23	106817
15	16	ybr&gr	Siltstone, weathered			10	w fe	23	24	106818
16	17	ybr	Siltstone, weathered			0.5	fe w	24	25	106819
17	18	ybr&gr	Siltstone, weathered			0		25	26	106820
18	19	ybr&gr	Siltstone, weathered			1	w fe	26	28	106821
19	20	ybr&gr	Siltstone, weathered			5	w fe	28	29	106822
20	21	ybr&gr	Siltstone, weathered	Tr cg asp		5	w fe	29	30	106823
21	22	ybr	Siltstone, weathered	2 vg (tiny)		80	w fe			
22	23	lgr	Siltstone, partly weathered	1% fg asp/py 3 vg		25	w gr fe			
23	24	lgr&ybr	Siltstone, partly weathered		Py spotting	0				
24	25	lgr&ybr	Siltstone, partly weathered	0.5% fg asp/py		30	w fe			
25	26	lgr&ybr	Siltstone, partly weathered	0.5% fg asp/py	Py spotting	15	w fe			
26	27	lgr&ybr	Siltstone, partly weathered			0				
27	28	lgr	Siltstone, trace weathering			10	w fe			
28	29	lgr	Siltstone, trace weathering	0.5% fg asp/py		5	w fe			
29	30	lgr	Siltstone, fresh	0.5% asp/py		10	w gr			

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End Date	24.6.99	Hole Depth	115m	RL	326m	Inclination	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh	3% fg asp		50	w gr	30	31	106824
31	32	lgr	Sandstone, fg & Siltstone, fresh	Tr py/asp		5	w gr	31	32	106825
32	33	lgr	Sandstone, fg & Siltstone, fresh	Tr su		5	w	32	33	106826
33	34	lgr	Siltstone & Sandstone, fg, fresh	3% fg asp		15	w gr	33	34	106827
34	35	lgr	Sandstone, fg & Siltstone, fresh	2% fg asp		20	w gr	34	35	106828
35	36	lgr	Siltstone, fresh	0.5% asp/py		5	w	35	36	106829
36	37	lgr	Siltstone, fresh	Tr asp/py		5	w	36	38	106830
37	38	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	38	40	106831
38	39	lgr	Siltstone & Sandstone, fg, fresh			1	w	40	41	106832
39	40	lgr	Sandstone, fg & Siltstone, fresh	Tr su		1	w	41	42	106833
40	41	lgr	Sandstone, fg & Siltstone, fresh			2	w	42	43	106834
41	42	lgr	Siltstone, fresh	1% fg asp/py		40	w gr	43	44	106835
42	43	lgr	Siltstone, fresh	2% fg asp/py		90	w gr	44	45	106836
43	44	lgr	Siltstone, fresh	2% asp		50	w gr	45	46	106837
44	45	l&dgr	Siltstone, fresh	0.5% py/asp		30	w	46	47	106838
45	46	l&dgr	Siltstone, fresh	2% fgasp		40	w gr	47	49	106839
46	47	l&dgr	Siltstone, fresh	2% py/asp		20	w	49	51	106840
47	48	l&dgr	Siltstone, fresh	Tr py		15	w	51	53	106841
48	49	l&dgr	Siltstone, fresh	Tr py		15	w	53	55	106842
49	50	l&dgr	Siltstone, fresh	Tr py		5	w	55	56	106843
50	51	l&dgr	Siltstone & Sandstone, fg, fresh			2	w	56	57	106844
51	52	l&dgr	Siltstone & Sandstone, fg, fresh			1	w	57	58	106845
52	53	l&dgr	Siltstone & Sandstone, fg, fresh			3	w	58	59	106846
53	54	l&dgr	Siltstone & Sandstone, fg, fresh			2	w	59	61	106847
54	55	dgr	Siltstone, fresh			3	w			
55	56	l&dgr	Siltstone & Sandstone, fg, fresh			0.5	w			
56	57	gr	Siltstone, fresh	0.5% asp		30	w			
57	58	l&dgr	Siltstone, fresh	0.5% asp/py		10	w gr			
58	59	lgr	Siltstone & Sandstone, fg, fresh	1% fg asp/py		25	w gr			
59	60	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	dgr	Siltstone, fresh			0.5	w	61	63	106848
61	62	l&dgr	Siltstone & Sandstone, fg, fresh			10	w	63	65	106849
62	63	dgr	Siltstone, fresh	Tr py		10	w	65	67	106850
63	64	l&dgr	Sandstone, fg & Siltstone, fresh			5	w	67	69	106851
64	65	l&dgr	Siltstone & Sandstone, fg, fresh	Tr su		5	w	69	71	106852
65	66	l&dgr	Sandstone, fg & Siltstone, fresh			1	w	71	73	106853
66	67	l&dgr	Siltstone & Sandstone, fg, fresh			3	w	73	75	106854
67	68	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py/asp		5	w	75	77	106855
68	69	dgr	Siltstone, fresh	0.5% py/asp		20	w gr	77	79	106856
69	70	bl&dgr	Shale & Siltstone, fresh	Fault?	1% py	1	w	79	81	106857
70	71	lgr	Sandstone, fg & Siltstone, fresh, minor black shale			0.5	w	81	83	106858
71	72	lgr	Siltstone, fresh			1	w	83	86	106859
72	73	l&dgr	Siltstone, fresh			0		86	88	106860
73	74	l&dgr	Siltstone, fresh			0		88	89	106861
74	75	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w	89	90	106862
75	76	l&dgr	Siltstone, fresh			0				
76	77	l&dgr	Siltstone, fresh			0				
77	78	l&dgr	Siltstone & Sandstone, fg, fresh			15	w			
78	79	l&dgr	Siltstone & Sandstone, fg, fresh	Tr su		5	w			
79	80	dgr	Siltstone, fresh			1	w			
80	81	l&dgr	Siltstone, fresh			2	w			
81	82	l&dgr	Siltstone, fresh			0.5	w			
82	83	l&dgr	Sandstone, fg & Siltstone, fresh	Tr py		1	w			
83	84	dgr	Siltstone, fresh			0				
84	85	l&dgr	Sandstone, fg & Siltstone, fresh			3	w			
85	86	dgr	Siltstone, fresh			3	w			
86	87	l&dgr	Siltstone, fresh	Tr su		5	w			
87	88	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			
88	89	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		40	w gr			
89	90	lgr	Siltstone & Sandstone, fg, fresh	2% asp/py		30	gr w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	dgr	Siltstone, fresh	0.5% fg su		60	w gr	90	91	106863
91	92	dgr	Siltstone, fresh	0.5% asp/py		60	gr w	91	92	106864
92	93	l&dgr	Siltstone, fresh			0.5	w	92	94	106865
93	94	lgr	Siltstone, fresh	Tr py		2	w	94	97	106866
94	95	lgr	Siltstone, fresh			1	w	97	99	106867
95	96	lgr	Siltstone, fresh			2	w	99	100	106868
96	97	lgr	Siltstone, fresh			1	w	100	102	106869
97	98	lgr	Siltstone, fresh			0		102	104	106870
98	99	lgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w	104	106	106871
99	100	lgr	Siltstone, fresh	0.5% fg su		90	gr w	106	108	106872
100	101	l&dgr	Siltstone, fresh			0		108	110	106873
101	102	lgr	Siltstone, fresh			1	w	110	112	106874
102	103	lgr	Siltstone, fresh			0		112	115	106875
103	104	l&dgr	Siltstone, fresh			0				
104	105	l&dgr	Siltstone, fresh			0				
105	106	lgr	Siltstone, fresh			0				
106	107	lgr	Siltstone, fresh			0				
107	108	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
108	109	lgr	Siltstone, fresh			0				
109	110	lgr	Siltstone & Sandstone, fg, fresh			0				
110	111	lgr	Siltstone, fresh			0		Surveys		
111	112	lgr	Siltstone, fresh			0				
112	113	lgr	Siltstone, fresh			0		Depth	Azimuth	Inclination
113	114	lgr	Siltstone, fresh			0				
114	115	lgr	Siltstone, fresh			0		20	265	48.5
			EOH at 115m							

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