

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

Prospect	New Golden Gate	Geologist	D G Jackson	Easting	574409.8m	Hole No	RC98MT035
Date Commenced	11.11.98	Drillers	Diamond Drill Tas	Northing	5046745.2m	Azimuth	270 AMG
Date Completed	11.11.98	Hole Depth	103m	RL	318m	Inclination	55

Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	ybr	Siltstone, weathered & Clay			0		0	2	105462
1	2	ybr	Siltstone, weathered			0		2	4	105463
2	3	ybr	Siltstone, weathered			0		4	6	105464
3	4	lbr	Siltstone, weathered			0		6	8	105465
4	5	lbr	Siltstone, weathered			0		8	10	105466
5	6	lbr&w	Siltstone, weathered			0		10	12	105467
6	7	lbr	Siltstone, weathered			0		12	14	105468
7	8	lbr	Siltstone, weathered			0		14	16	105469
8	9	lbr	Siltstone, weathered			0		16	18	105470
9	10	lbr	Siltstone, weathered			0		18	20	105471
10	11	lbr	Siltstone, weathered			0		20	22	105472
11	12	lbr&gr	Siltstone, weathered			0		22	23	105473
12	13	lbr&gr	Siltstone, weathered			0		23	25	105474
13	14	lbr&gr	Siltstone, weathered			0		25	27	105475
14	15	lbr&gr	Siltstone, weathered			0		27	29	105476
15	16	lgr&br	Siltstone, weathered			0				
16	17	lgr&br	Siltstone, weathered			0				
17	18	lgr	Siltstone, partly weathered			0				
18	19	lgr	Siltstone, partly weathered			0				
19	20	lgr	Siltstone, partly weathered			0				
20	21	lgr	Siltstone, fresh			0				
21	22	lgr	Siltstone, fresh			0				
22	23	lgr	Siltstone, fresh	1% py Tr asp		2	w			
23	24	lgr	Siltstone, fresh			0				
24	25	lgr	Siltstone, fresh			5	w			
25	26	gr	Siltstone, fresh			1	w			
26	27	gr	Siltstone, fresh			0.5	w			
27	28	l&dgr	Siltstone & Shale, fresh	Tr py		1	w			
28	29	d&lgr	Siltstone & Shale, fresh	Tr py		5	w gr			
29	30	d&lgr	Siltstone & Shale, fresh			0.5	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	dgr	Siltstone & Shale, fresh			0		29	31	105477
31	32	dgr	Siltstone & Shale, fresh	Tr py		0		31	33	105478
32	33	dgr	Siltstone & Shale, fresh	2% py		0		33	35	105479
33	34	dgr	Siltstone & Shale, fresh	1% py		0		35	37	105480
34	35	dgr	Shale, fresh, minor graphite	Tr py		0		37	39	105481
35	36	dgr	Shale, fresh, minor graphite	Tr py		0		39	41	105482
36	37	dgr	Shale, fresh, minor graphite			1	w	41	43	105483
37	38	lgr	Siltstone, fresh	Tr py		1	w	43	45	105484
38	39	lgr	Sandstone, fg, fresh			2	w	45	47	105485
39	40	lgr	Sandstone, fg, fresh	0.5% py		5	w	47	49	105486
40	41	l&dgr	Sandstone, fg, & Siltstone, fresh	0.5% py		10	w	49	51	105487
41	42	lgr	Sandstone, fg, & minor siltstone, fresh			1	w	51	53	105488
42	43	lgr	Siltstone, fresh			2	w	53	55	105489
43	44	lgr	Siltstone, fresh			40	w	55	57	105490
44	45	lgr	Siltstone, fresh			10	w	57	59	105491
45	46	lgr	Siltstone, fresh			25	w	59	61	105492
46	47	lgr	Siltstone, fresh	Tr py		3	w			
47	48	lgr	Siltstone, fresh			5	w			
48	49	lgr	Siltstone, fresh	Tr py		30	w			
49	50	lgr	Sandstone, fg, & minor siltstone, fresh	Tr py/asp		3	w			
50	51	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			
51	52	lgr	Sandstone, fg, & minor siltstone, fresh			30	w			
52	53	lgr	Sandstone, fg, & Siltstone, fresh			5	w			
53	54	lgr	Sandstone, fg, & Siltstone, fresh	Tr py		15	w			
54	55	lgr	Sandstone, fg, & minor siltstone, fresh			5	w			
55	56	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
56	57	lgr	Siltstone & Sandstone, fg, fresh			0				
57	58	lgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w			
58	59	lgr	Siltstone, fresh			1	w			
59	60	lgr	Siltstone, fresh			2	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh			5	w	61	63	105493
61	62	lgr	Sandstone, fg, fresh	Tr py		0.5	w	63	65	105494
62	63	lgr	Sandstone, fg, fresh	Tr py		0		65	67	105495
63	64	lgr	Siltstone & Sandstone, fg, fresh			2	w	67	69	105496
64	65	lgr	Siltstone & Sandstone, fg, fresh	Tr py		2	w	69	71	105497
65	66	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	71	73	105498
66	67	lgr	Siltstone, fresh			0.5	w	73	75	105499
67	68	lgr	Siltstone, fresh			0.5	w	75	77	105500
68	69	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	77	79	105501
69	70	lgr	Siltstone & Sandstone, fg, fresh			1	w	79	81	105502
70	71	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	81	83	105503
71	72	lgr	Siltstone & Sandstone, fg, fresh			3	w	83	86	105504
72	73	lgr	Siltstone & Sandstone, fg, fresh			0.5	w	86	88	105505
73	74	lgr	Siltstone & Sandstone, fg, fresh			0		88	90	105506
74	75	l&dgr	Siltstone & Sandstone, fg, fresh			2	w			
75	76	l&dgr	Siltstone, fresh			0				
76	77	lgr	Siltstone & Sandstone, fg, fresh			0				
77	78	l&dgr	Siltstone & Sandstone, fg, fresh			2	w			
78	79	l&dgr	Siltstone & Sandstone, fg, fresh			0				
79	80	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		2	w			
80	81	l&dgr	Siltstone & Sandstone, fg, fresh			1	w			
81	82	lgr	Siltstone, fresh	Tr py		0				
82	83	l&dgr	Siltstone & Sandstone, fg, fresh			0				
83	84	lgr	Siltstone, fresh			0				
84	85	l&dgr	Siltstone & Sandstone, fg, fresh			0				
85	86	gr	Siltstone, fresh	Tr py		0				
86	87	gr	Siltstone, fresh	0.5% py		2	w			
87	88	lgr	Siltstone & Sandstone, fg, fresh			0				
88	89	l&dgr	Siltstone, fresh	Tr py		0.5	w			
89	90	l&dgr	Siltstone, fresh	Tr py		0				

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	2% py		5	w gr	90	91	105507
91	92	l&dgr	Siltstone, fresh	1% py		2	w	91	93	105508
92	93	l&dgr	Siltstone, fresh	0.5% py		2	w	93	95	105509
93	94	l&dgr	Siltstone, fresh			0.5	w	95	97	105510
94	95	l&dgr	Siltstone, fresh			1	w	97	99	105511
95	96	l&dgr	Siltstone, fresh			0		99	101	105512
96	97	dgr	Siltstone, fresh	0.5% py		30	w	101	103	105513
97	98	dgr	Siltstone, fresh			0				
98	99	l&dgr	Siltstone, fresh			0				
99	100	l&dgr	Siltstone, fresh			1	w			
100	101	l&dgr	Siltstone, fresh			1	w			
101	102	dgr	Siltstone, fresh	Tr py		10	w			
102	103	dgr	Siltstone, fresh			1	w			
103	104									
104	105		EOH at 103m							
105	106									
106	107									
107	108									
108	109									
109	110									
110	111									
111	112									
112	113									
113	114									
114	115									
115	116									
116	117									
117	118									
118	119									
119	120									

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