

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

Prospect	New Golden Gate	Geologist	DG Jackson	Easting	574454m	Hole No	RC99MT059
Date Commenced	30.6.99	Drillers	Diamond Drill Tas	Northing	5404404m	Azimuth	270 AMG
Date Completed	30.6.99	Hole Depth	85m	RL	326.5m	Inclination	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, weathered			0		0	2	106928
1	2	lbr	Siltstone, weathered			0.5	w	2	4	106929
2	3	lbr	Siltstone, weathered			0		4	6	106930
3	4	lbr	Siltstone, weathered			0.5	fe w	6	8	106931
4	5	lbr	Siltstone, weathered			0		8	10	106932
5	6	lbr	Siltstone, weathered			0		10	12	106933
6	7	lbr	Siltstone, weathered			0		12	13	106934
7	8	lbr	Siltstone, weathered			0		13	14	106935
8	9	lbr	Siltstone, weathered			0		14	15	106936
9	10	ybr	Siltstone, weathered			0		15	16	106937
10	11	ybr	Siltstone, weathered			0.5	w fe	16	18	106938
11	12	ybr	Siltstone, weathered			0		18	19	106939
12	13	ybr	Siltstone, weathered			50	fe w gr	19	20	106940
13	14	ybr	Siltstone, weathered			20	fe w	20	21	106941
14	15	ybr	Siltstone, weathered	Tr su		30	w fe	21	22	106942
15	16	ybr	Siltstone, weathered	Tr su		15	w fe	22	23	106943
16	17	ybr	Siltstone, weathered			0		23	24	106944
17	18	ybr	Siltstone, weathered			1	w fe	24	26	106945
18	19	ybr&gr	Siltstone & Sandstone, fg, weathered			5	w fe	26	27	106946
19	20	ybr&gr	Siltstone & Sandstone, fg, weathered			10	w fe	27	28	106947
20	21	ybr&gr	Siltstone & Sandstone, fg, weathered	Tr su		40	w fe	28	29	106948
21	22	ybr&gr	Sandstone, fg & Siltstone, weathered			60	w fe	29	30	106949
22	23	ybr&gr	Sandstone, fg & Siltstone, partly weathered			30	w fe			
23	24	ybr&gr	Sandstone, fg & Siltstone, partly weathered			15	w fe			
24	25	ybr&gr	Sandstone, fg & Siltstone, partly weathered			5	w fe			
25	26	lgr	Sandstone, fg minor weathering			3	w fe			
26	27	lgr	Sandstone, fg minor weathering			1	w fe			
27	28	lgr	Sandstone, fg minor weathering	0.5% py		10	w fe			
28	29	l&dgr	Sandstone, fg & Siltstone, trace weathered	1% asp/py		25	w fe			
29	30	lgr	Sandstone, fresh	5% cg asp		90	w gr			

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Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Sandstone, fresh	2% asp		90	w gr	30	31	106950
31	32	lgr	Sandstone, fg & Siltstone, fresh	2% asp		70	w gr	31	32	106951
32	33	lgr	Sandstone, fg & Siltstone, fresh	1% asp		20	w gr	32	33	106952
33	34	lgr	Sandstone, fg & Siltstone, fresh	2% asp/py		30	w gr	33	34	106953
34	35	lgr	Siltstone, fresh	Tr asp		3	w	34	35	106954
35	36	lgr	Siltstone, fresh	Tr py		3	w	35	36	106955
36	37	gr	Siltstone, fresh	0.5% py		2	w	36	38	106956
37	38	gr	Siltstone, fresh			1	w	38	40	106957
38	39	gr	Siltstone, fresh	0.5% py		0.5	w	40	42	106958
39	40	gr	Siltstone, fresh	0.5% py		5	w	42	44	106959
40	41	gr	Siltstone, fresh	0.5% py		10	w	44	46	106960
41	42	gr	Siltstone, fresh	0.5% py		0.5	w	46	48	106961
42	43	gr	Siltstone, fresh			0		48	50	106962
43	44	gr	Siltstone, fresh			0.5	w	50	52	106963
44	45	gr	Siltstone, fresh			0.5	w	52	54	106964
45	46	l&dgr	Siltstone & Sandstone, fg, fresh	0.5% py		5	w	54	55	106965
46	47	l&dgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	55	57	106966
47	48	l&dgr	Siltstone & Sandstone, fg, fresh	0.5% py		3	w	57	59	106967
48	49	bl	Shale Fault?	Tr py		0.5	w	59	61	106968
49	50	l&dgr	Sandstone, fg & Siltstone, fresh			5	w			
50	51	lgr	Sandstone, fresh	Tr py		10	w			
51	52	lgr	Sandstone, fresh	Tr py		20	w			
52	53	lgr	Sandstone, fresh	Tr py		3	w			
53	54	lgr	Sandstone, fresh	Tr py		30	w			
54	55	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		70	w			
55	56	lgr	Sandstone, fg & Siltstone, fresh	Tr py		15	w			
56	57	lgr	Sandstone, fresh			10	w			
57	58	lgr	Sandstone, fresh			3	w			
58	59	lgr	Sandstone, fresh			3	w			
59	60	l&dgr	Sandstone, fg & Siltstone, fresh	0.5% py		10	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w	61	63	106969
61	62	lgr	Sandstone, fg & Siltstone, fresh			5	w	63	64	106970
62	63	l&dgr	Siltstone & Sandstone, fg, fresh			10	w	64	65	106971
63	64	lgr	Sandstone, fresh	0.5% asp		30	w	65	66	106972
64	65	lgr	Sandstone, fresh	Tr asp		30	w	66	67	106973
65	66	lgr	Sandstone, fg & Siltstone, fresh	Tr py		10	w	67	69	106974
66	67	lgr	Sandstone, fg & Siltstone, fresh	1% cg asp		90	w	69	71	106975
67	68	lgr	Sandstone, fresh	0.5% py		5	w	71	72	106976
68	69	lgr	Sandstone, fresh			10	w	72	74	106977
69	70	lgr	Sandstone, fresh	Tr py		30	w	74	76	106978
70	71	lgr&kh	Siltstone & Sandstone, fg, fresh	Tr py		30	w	76	78	106979
71	72	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		50	w	78	80	106980
72	73	l&dgr	Siltstone & Sandstone, fg, fresh	Tr py		30	w	80	82	106981
73	74	lgr	Sandstone, fg & Siltstone, fresh	Tr py		15	w	82	85	106982
74	75	lgr	Siltstone & Sandstone, fg, fresh	Tr py		20	w			
75	76	lgr	Sandstone, fg & Siltstone, fresh			1	w			
76	77	lgr	Siltstone, fresh			5	w			
77	78	lgr	Siltstone & Sandstone, fg, fresh			0				
78	79	lgr	Siltstone & Sandstone, fg, fresh			0				
79	80	l&dgr	Siltstone, fresh			0				
80	81	lgr	Siltstone & Sandstone, fg, fresh			5	w			
81	82	lgr	Siltstone & Sandstone, fg, fresh			0.5	w			
82	83	l&dgr	Siltstone & Sandstone, fg, fresh	Tr su		2	w			
83	84	lgr	Siltstone, fresh			0				
84	85	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	Surveys		
			EOH at 85m					Depth	Azimuth	Inclination
								30	262	48
								60	260	46.5
								72	265	46.5

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