

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

rospect	New Golden Gate	Geologist	DG Jackson	Easting	574560m	Hole No	RC99MT066
ate Commenced	11.7.99	Drillers	Diamond Drill Tas	Northing	5406785m	Azimuth	270 AMG
ate Completed	12.7.99	Hole Depth	85m	RL	307.1m	Inclination	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings					0	2	107601
1	2	lbr	Tailings					2	4	107602
2	3	lbr	Tailings					4	6	107603
3	4	lbr	Tailings					6	8	107604
4	5	lbr&gr	Clay & Tailings					8	10	107605
5	6	br	Clay & Siltstone, weathered			5	w fe	10	11	107606
6	7	br	Clay & Siltstone, weathered			2	w fe	11	12	107607
7	8	ybr	Siltstone, weathered			1	w	12	13	107608
8	9	ybr	Siltstone, weathered			0.5	w	13	15	107609
9	10	ybr	Siltstone, weathered			5	w	15	17	107610
10	11	ybr	Siltstone, weathered			10	w fe	17	18	107611
11	12	ybr	Siltstone, weathered			2	w fe	18	19	107612
12	13	ybr	Siltstone, weathered			70	w	19	20	107613
13	14	ybr	Siltstone, weathered			3	w fe	20	21	107614
14	15	ybr	Siltstone, weathered			0.5	w fe	21	22	107615
15	16	lgr&br	Siltstone, partly weathered		Py spotting	0.5	w	22	24	107616
16	17	lgr	Siltstone, minor weathering			1	w	24	26	107617
17	18	lgr&br	Siltstone, partly weathered			2	w fe	26	27	107618
18	19	lgr&br	Siltstone, partly weathered			20	w fe	27	29	107619
19	20	lgr&br	Siltstone, partly weathered	Tr su		15	w fe gr	29	31	107620
20	21	lgr&br	Siltstone, partly weathered	0.5% asp/py		30	w fe gr			
21	22	lgr	Siltstone & Sandstone, fg, minor weathering			15	w			
22	23	lgr	Siltstone, minor weathering			5	w fe			
23	24	lgr	Siltstone, fresh			2	w			
24	25	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0				
25	26	lgr	Siltstone, fresh			0				
26	27	lgr	Siltstone, fresh			5	w gr			
27	28	lgr	Siltstone, fresh	1% asp/py		1	w			
28	29	lgr	Siltstone & Sandstone, fg, fresh			10	w			
29	30	lgr	Siltstone, fresh	Tr su		0				

498170

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Sandstone, fg, fresh			0		31	33	107621
31	32	lgr	Sandstone, fg, fresh	Tr py		1	w	33	35	107622
32	33	lgr	Sandstone, fg, fresh			0.5	w gr	35	37	107623
33	34	lgr	Sandstone, fg, fresh			0.5	w	37	39	107624
34	35	lgr	Sandstone, fg, fresh			0.5	w	39	40	107625
35	36	lgr	Sandstone, fg, fresh			0		40	41	107626
36	37	lgr	Siltstone, fresh	Tr py	Py spotting	30	w	41	42	107627
37	38	lgr	Siltstone, fresh		Py spotting	5	w	42	43	107628
38	39	lgr	Siltstone, fresh	Tr py		15	w	43	45	107629
39	40	lgr	Siltstone, fresh	0.5% py		0		45	46	107630
40	41	kh	Siltstone, fresh	1% cg asp		50	w	46	47	107631
41	42	kh	Siltstone, fresh	Damp	2% cg asp/py	60	w	47	48	107632
42	43	lgr	Siltstone, fresh	Tr py		5	w	48	49	107633
43	44	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	3	w	49	50	107634
44	45	lgr	Siltstone, fresh	Wet, small	Tr py	5	w	50	51	107635
45	46	lgr	Siltstone, fresh	Damp	2% py	5	w	51	52	107636
46	47	lgr	Siltstone, fresh		2% py/asp	5	w	52	53	107637
47	48	lgr	Siltstone, fresh	Wet	0.5% py	3	w	53	54	107638
48	49	lgr	Siltstone, fresh	Damp samples	0.5% py	30	w	54	55	107639
49	50	lgr&g	Siltstone, fresh	hereafter	Tr py	5	w	55	56	107640
50	51	lgr	Siltstone, fresh			2	w	56	57	107641
51	52	kh	Siltstone, fresh	2% cg asp/py 1vg		70	w	57	58	107642
52	53	lgr	Siltstone, fresh	1%py/asp 1 vg?		25	w	58	60	107643
53	54	lgr	Siltstone, fresh	0.5% py		2	w			
54	55	lgr	Siltstone & Sandstone, fg, fresh	1% py		5	w			
55	56	lgr&g	Siltstone, fresh	1% cg asp/py		60	w			
56	57	kh	Siltstone, fresh	2%py/asp		50	w gr			
57	58	lgr	Siltstone, fresh	Tr py		3	gr			
58	59	lgr	Siltstone, fresh	Tr py		3	w gr			
59	60	lgr&cm	Siltstone, fresh	0.5% py		0				

498171

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & Sandstone, fg, fresh			2	w	60	62	107644
61	62	lgr	Siltstone, fresh			2	w	62	63	107645
62	63	lgr	Siltstone & Sandstone, fg, fresh	Tr py		10	w	63	64	107646
63	64	kh	Siltstone, fresh	2% py		25	w gr	64	65	107647
64	65	lgr	Siltstone, fresh	1% py		5	w gr	65	67	107648
65	66	lgr	Siltstone, fresh	Tr py	Py spotting	5	w	67	69	107649
66	67	lgr	Siltstone, fresh	Tr py	Py spotting	2	w	69	71	107650
67	68	lgr	Siltstone & Sandstone, fg, fresh	Tr py		1	w	71	73	107651
68	69	lgr	Siltstone, fresh	Tr py		1	w	73	75	107652
69	70	lgr	Siltstone, fresh			3	w	75	77	107653
70	71	lgr	Siltstone, fresh			1	w	77	79	107654
71	72	lgr	Siltstone, fresh			1	w	79	81	107655
72	73	lgr	Siltstone, fresh			5	w	81	83	107656
73	74	lgr&cm	Siltstone & Sandstone, fg, fresh			0.5	w	83	85	107657
74	75	lgr	Siltstone, fresh			1	w			
75	76	lgr	Siltstone, fresh			0.5	w			
76	77	lgr	Siltstone, fresh			0				
77	78	lgr	Siltstone & Sandstone, fg, fresh			0				
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			3	w			
80	81	lgr	Siltstone & Sandstone, fg, fresh			3	w			
81	82	lgr	Siltstone, fresh			2	w	Surveys		
82	83	gr	Siltstone, fresh			0				
83	84	gr	Siltstone, fresh			0.5	w	Depth	Azimuth	Inclination
84	85	lgr	Siltstone & Sandstone, fg, fresh	Tr py		15	w			
			EOH at 85m					30	259	52
								60	257	47
								85	252	42

498172