

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

Prospect	New Golden Gate	Geologist	TC Downs	Easting	574585m	Hole No	RC99MT072
Date Commenced	18.07.99	Drillers	Diamond Drill Tas	Northing	5406705m	Azimuth	270AMG
Date Completed	19.07.99	Hole Depth	133m	RL	309.1m	Inclination	54

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Tailings			0		0	2	107934
1	2	lbr	Tailings			0		3	5	107935
2	3		No Sample Returned			0		5	7	107936
3	4	lgr/lbr	Clay			0		7	9	107937
4	5	lbr	Clay			0		9	11	107938
5	6	lbr	Clay			0		11	13	107939
6	7	lbr	Clay & Siltstone, weathered			1	w	13	15	107940
7	8	lbr	Surface Lag			2	w	15	17	107941
8	9	lbr	Siltstone, weathered			2	w	17	19	107942
9	10	lbr	Siltstone, weathered			0.5	w	19	21	107943
10	11	lbr	Siltstone, weathered			0.5	w	21	23	107944
11	12	lbr	Siltstone, weathered			0		23	25	107945
12	13	lbr	Siltstone & sandstone, fg, weathered			0		25	27	107946
13	14	br	Siltstone, mostly weathered			0.5	w	27	29	107947
14	15	lbr	Siltstone, mostly weathered			0		29	31	107948
15	16	lbr	Siltstone, weathered			0				
16	17	lgr	Siltstone, weathered			0				
17	18	lgr	Siltstone, minor weathering	Tr py		3	w			
18	19	lgr	Siltstone, minor weathering			0				
19	20	lgr	Siltstone, fresh			20	w			
20	21	lgr	Siltstone, fresh			0.5	w			
21	22	lgr	Siltstone, fresh			0				
22	23	lgr	Siltstone, fresh			0				
23	24	lgr	Siltstone, fresh	Tr su		1	w			
24	25	lgr	Siltstone, fresh			1	w			
25	26	lgr	Siltstone, fresh			0				
26	27	lgr	Siltstone, fresh			0				
27	28	lgr	Siltstone, fresh	Tr py		20	w			
28	29	lgr	Siltstone, fresh			1	w			
29	30	lgr	Siltstone, fresh			2	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			0		31	33	107949
31	32	lgr	Siltstone, fresh			0		33	35	107950
32	33	lgr	Siltstone, fresh			0.5	w	35	37	107951
33	34	lgr	Siltstone, fresh	Tr py		0.5	w	37	39	107952
34	35	lgr	Siltstone, fresh	Tr py		1	w fe	39	41	107953
35	36	lgr	Siltstone, fresh			0		41	43	107954
36	37	lgr	Siltstone, fresh			0.5	w	43	45	107955
37	38	lgr	Siltstone, fresh	Tr py		5	w	45	47	107956
38	39	lgr	Siltstone, fresh			5	w gr	47	49	107957
39	40	lgr	Siltstone & sandstone, fg, fresh	cyclone contam'		10	w	49	51	107958
40	41	lgr/cm	Siltstone & sandstone, fg, fresh	cyclone contam'		30	w	51	53	107959
41	42	lgr	Siltstone, fresh			5	w	53	55	107960
42	43	lgr	Siltstone, fresh			1	w	55	57	107961
43	44	lgr	Siltstone, fresh	0.5% py		3	w gr	57	59	107962
44	45	lgr	Siltstone, fresh			0.5	w			
45	46	lgr	Siltstone, fresh			0				
46	47	lgr	Siltstone, fresh			0				
47	48	lgr	Siltstone, fresh			2	w			
48	49	lgr	Siltstone, fresh			0.5	w			
49	50	lgr	Siltstone, fresh			0.5	w			
50	51	cm	Siltstone & sandstone, fg, fresh			0.5	w			
51	52	lgr	Siltstone, fresh			0				
52	53	lgr	Siltstone, fresh			0				
53	54	lgr	Siltstone, fresh	Tr su		1	w			
54	55	lgr	Siltstone, fresh			0				
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh	Tr su		5	w			
57	58	lgr	Siltstone, fresh			0.5	w			
58	59	cm/lgr	Siltstone, fresh			1	w			
59	60	lgr	Siltstone, fresh			0.5	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			0		59	62	107963
61	62	lgr	Siltstone, fresh			1	w	62	64	107964
62	63	lgr	Siltstone, fresh			0		64	65	107965
63	64	lgr	Siltstone, fresh			0		65	66	107966
64	65	lgr	Siltstone, fresh	2% py		15	w	66	67	107967
65	66	cm/lgr	Siltstone, fresh	1% py		15	w	67	69	107968
66	67	lgr	Siltstone, fresh	1% py		10	w	69	71	107969
67	68	lgr	Siltstone, fresh	0.5% py		0.5	w	71	73	107970
68	69	lgr	Siltstone, fresh	0.5% py		1	w	73	75	107971
69	70	lgr/cm	Siltstone, fresh	Tr py		0.5	w	75	77	107972
70	71	lgr	Siltstone, fresh	Tr py		0.5	w	77	79	107973
71	72	lgr	Siltstone, fresh	Tr py		0.5	w	79	81	107974
72	73	lgr	Siltstone, fresh			0		81	82	107975
73	74	lgr	Siltstone, fresh			0		82	84	107976
74	75	lgr	Siltstone, fresh			3	w	84	86	107977
75	76	lgr	Siltstone, fresh			0.5	w	86	87	107978
76	77	lgr	Siltstone, fresh			0		87	88	107979
77	78	lgr	Siltstone, fresh			2	w	88	90	107980
78	79	lgr	Siltstone, fresh	Tr py		0.5	w			
79	80	lgr	Siltstone, fresh			0				
80	81	lgr	Siltstone, fresh	Tr py		0				
81	82	lgr	Siltstone, fresh	Tr py		5	w			
82	83	lgr	Siltstone, fresh	0.5% py		2	w			
83	84	lgr/cm	Siltstone, fresh			1	w			
84	85	lgr	Siltstone, fresh			0.5	w			
85	86	lgr	Siltstone, fresh			0.5	w			
86	87	lgr	Siltstone, fresh			5	w			
87	88	lgr	Siltstone, fresh	0.5% py		5	w			
88	89	lgr	Siltstone, fresh			0				
89	90	lgr	Siltstone, fresh			0				

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr su		0		90	92	107981
91	92	lgr	Siltstone, fresh	Tr py, asp (?)		2	w	92	93	107982
92	93	lgr	Siltstone, fresh	Tr py		1	w	93	94	107983
93	94	lgr	Siltstone, fresh	3% py, asp (?)		20	w	94	95	107984
94	95	lgr	Siltstone, fresh	0.5% py, asp		2	w	95	97	107985
95	96	lgr	Siltstone, fresh			0.5	w	97	99	107986
96	97	lgr	Siltstone, fresh			0.5	w	99	101	107987
97	98	lgr	Siltstone, fresh	Tr py		3	w	101	103	107988
98	99	lgr	Siltstone & sandstone, fg, fresh			2	w	103	105	107989
99	100	lgr	Siltstone, fresh	Tr py		0.5	w	105	106	107990
100	101	lgr	Siltstone, fresh			0		106	107	107991
101	102	lgr	Siltstone, fresh	Tr py		1	w	107	108	107992
102	103	lgr	Siltstone, fresh	0.5% py		1	w	108	109	107993
103	104	lgr	Siltstone, fresh	Tr py		1	w	109	111	107994
104	105	lgr	Siltstone, fresh			0		111	113	107995
105	106	lgr	Siltstone, fresh	Tr py		0.5	w gr	113	114	107996
106	107	lgr	Sandstone, fg & siltstone, fresh	2% py		60	w gr	114	115	107997
107	108	lgr	Sandstone, fg & siltstone, fresh	Tr py		40	gr w	115	116	107998
108	109	lgr	Sandstone, fg & siltstone, fresh	Tr py		30	w gr	116	118	107999
109	110	lgr	Siltstone, fresh	Tr py		1	w gr	118	120	108000
110	111	lgr	Siltstone, fresh	0.5% py		2	w gr			
111	112	lgr	Siltstone, fresh	0.5% py		2	w gr			
112	113	lgr	Siltstone, fresh	Tr py		0.5	w gr			
113	114	lgr	Siltstone, fresh	Tr py		0.5	w			
114	115	lgr	Siltstone & sandstone, fg, fresh	0.5% py		10	w gr			
115	116	lgr	Siltstone & sandstone, fg, fresh	2% py		60	w gr			
116	117	lgr	Siltstone, fresh	Tr py		0.5	w			
117	118	lgr	Siltstone, fresh			0.5	w			
118	119	lgr	Siltstone, fresh	Tr py		5	w			
119	120	gr	Siltstone, fresh	0.5% py		5	w			

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