

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

Project	New Golden Gate	Geologist	DG Jackson	Easting	574590m	Hole No	RC99MT046
Start Date	13.6.99	Drillers	Diamond Drill Tas	Northing	5406745m	Azimuth	270 AMG
End Date	14.6.99	Hole Depth	103m	RL	307.2m	Inclination	55

Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Clay, Tailings & transported overburden			10	w fe	0	2	106010
1	2	br	Clay			0		2	4	106011
2	3	br	Clay & Siltstone, weathered			10	fe	4	6	106012
3	4	br	Clay & Siltstone, weathered			5	w fe	6	8	106013
4	5	br	Siltstone, weathered & Clay - Lag Surface			5	w fe	8	10	106014
5	6	br	Siltstone, weathered & Clay - Lag Surface - Wet			5	w fe	10	12	106015
6	7	br	Siltstone, weathered & ferruginous			0		12	14	106016
7	8	br	Siltstone, weathered & ferruginous			0		14	16	106017
8	9	ybr	Siltstone, weathered			0		16	18	106018
9	10	br	Siltstone, weathered			0		18	20	106019
10	11	br	Siltstone, weathered			0		20	22	106020
11	12	br	Siltstone, weathered			1	fe	22	24	106021
12	13	br	Siltstone, weathered			0		24	26	106022
13	14	br	Siltstone, weathered			0		26	28	106023
14	15	ybr	Siltstone, weathered			0		28	30	106024
15	16	ybr	Siltstone, weathered			0				
16	17	br	Siltstone, weathered			2	w fe			
17	18	ybr	Siltstone, weathered			0				
18	19	ybr	Siltstone, weathered			0				
19	20	ybr	Siltstone, weathered			10	w fe			
20	21	ybr	Siltstone, weathered			0				
21	22	ybr	Siltstone, weathered			0				
22	23	ybr	Siltstone, weathered			0				
23	24	ybr	Siltstone, weathered			0				
24	25	ybr	Siltstone, weathered			0				
25	26	ybr	Siltstone, weathered			0.5	w fe			
26	27	ybr	Siltstone, weathered			5	w			
27	28	ygr	Siltstone, partly weathered			0				
28	29	ygr	Siltstone, partly weathered			1	w			
29	30	lgr	Siltstone, partly weathered			0				

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, trace weathering			1	w	30	32	106025
31	32	lgr	Siltstone, trace weathering			0		32	34	106026
32	33	lgr	Siltstone, trace weathering			0		34	36	106027
33	34	lgr	Siltstone, trace weathering	Tr py		0		36	38	106028
34	35	lgr	Siltstone, trace weathering			1	w	38	40	106029
35	36	lgr g	Siltstone, fresh	Tr py		0.5	w	40	42	106030
36	37	lgr g	Siltstone, fresh	1% py		0		42	44	106031
37	38	lgr	Siltstone, fresh			1	w	44	46	106032
38	39	lgr g	Sandstone, fg, fresh			0		46	48	106033
39	40	lgr	Siltstone, fresh	1% py		0.5	w	48	50	106034
40	41	lgr	Siltstone & Sandstone, fg, fresh	0.5% py		0.5	w	50	52	106035
41	42	lgr g	Siltstone, fresh			0		52	54	106036
42	43	lgr g	Siltstone, fresh	0.5% py		0		54	56	106037
43	44	lgr	Siltstone, fresh	Tr py		25	w	56	58	106038
44	45	lgr g	Sandstone, fg & Siltstone, fresh			0		58	60	106039
45	46	lgr	Siltstone & Sandstone, fg, fresh			1	w			
46	47	lgr	Sandstone, fg & Siltstone, fresh	Tr py		0				
47	48	lgr	Siltstone, fresh			50	w			
48	49	lgr	Siltstone, fresh			2	w			
49	50	lgr	Siltstone & Sandstone, fg, fresh	Tr py		0				
50	51	lgr	Siltstone, fresh	1% py		0				
51	52	lgr	Sandstone, fg & minor siltstone, fresh	Tr py		5	w			
52	53	lgr	Sandstone, fg, fresh			0				
53	54	lgr	Sandstone, fg & Siltstone, fresh			0				
54	55	lgr	Siltstone & minor sandstone, fg, fresh		Py spotting	0				
55	56	lgr	Siltstone & minor sandstone, fg, fresh			0				
56	57	lgr	Sandstone, fg & Siltstone, fresh	Tr py	Py spotting	0				
57	58	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	0				
58	59	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	0				
59	60	lgr	Siltstone & Sandstone, fg, fresh	Tr py	Py spotting	0				

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	0		60	62	106040
61	62	lgr	Siltstone & Sandstone, fg, fresh	Tr py	Py spotting	5	w	62	64	106041
62	63	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	2	w	64	66	106042
63	64	lgr	Sandstone, fg & Siltstone, fresh			2	w	66	68	106043
64	65	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	0.5	w	68	70	106044
65	66	lgr	Siltstone & Sandstone, fg, fresh	Small sample	0.5%py	25	w	70	72	106045
66	67	lgr	Siltstone & Sandstone, fg, fresh	Small wet sample	Tr py	2	w	72	73	106046
67	68	lgr	Sandstone, fg & Siltstone, fresh			2	w	73	74	106047
68	69	lgr	Siltstone & minor sandstone, fg, fresh	1% py	Py spotting	0		74	75	106048
69	70	lgr	Siltstone & minor sandstone, fg, fresh		Py spotting	2	w	75	76	106049
70	71	lgr	Siltstone, fresh		Py spotting	0		76	77	106050
71	72	lgr	Siltstone, fresh	Damp		0		77	78	106051
72	73	lgr	Siltstone, fresh	Damp	0.5% py	5	w	78	79	106052
73	74	lgr	Siltstone, fresh		1%py/asp	20	w	79	80	106053
74	75	lgr	Siltstone & Sandstone, fg, fresh		Tr py	0		80	81	106054
75	76	lgr	Siltstone, fresh		0.5% py	50	w	81	82	106055
76	77	lgr	Siltstone, fresh		3% cg asp	5	w	82	83	106056
77	78	lgr	Siltstone, fresh	Damp	3% cg asp/py	40	w	83	84	106057
78	79	lgr	Siltstone, fresh	Damp	2% cg asp/py	10	w	84	85	106058
79	80	lgr	Siltstone, fresh	Damp	2% cg asp/py	40	w	85	86	106059
80	81	lgr	Siltstone, fresh		2% cg asp/py	60	w	86	87	106060
81	82	lgr	Siltstone, fresh	Damp	4% cg asp/py	60	w	87	88	106061
82	83	lgr	Siltstone, fresh	Damp	4% cg asp, 1vg	40	w	88	89	106062
83	84	lgr	Siltstone, fresh	Damp	2% cg asp, 1vg	15	w	89	90	106063
84	85	lgr	Siltstone, fresh	Damp	2% cg asp/py, 1vg	10	w			
85	86	lgr	Siltstone, fresh		0.5% cg asp/py	60	w			
86	87	lgr	Siltstone, fresh	Damp	2% cg asp/py	25	w			
87	88	lgr	Siltstone, fresh	Damp	1% cg asp/py	15	w			
88	89	lgr	Siltstone, fresh	Damp	0.5% cg asp/py	5	w			
89	90	lgr	Siltstone, fresh	Damp	Tr py	2	w			

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