

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

Project	New Golden Gate	Geologist	DG Jackson	Easting	574626m	Hole No	RC99MT065
Date Commenced	9.7.99	Drillers	Diamond Drill Tas	Northing	5406573m	Azimuth	265 AMG
Date Completed	10.7.99	Hole Depth	114m	RL	307.5m	Inclination	50

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Clay	Tails & Slimes				0	3	109531
1	2	br	Clay	Tails & Slimes				3	5	109532
2	3	br	Clay	Tails & Slimes				5	7	109533
3	4	rbr	Clay & Siltstone, weathered	Tails & Slimes		30	w fe	7	9	109534
4	5	rbr	Clay & Siltstone, weathered	Tails & Slimes		10	w fe	9	11	109535
5	6	rbr	Clay & Siltstone, weathered	Tails & Slimes		2	w fe	11	13	109536
6	7	br&gr	Clay & Siltstone, weathered	Tails & Slimes		2	w fe	13	15	109537
7	8	lbr	Clay & Siltstone, weathered			2	w fe	15	17	109538
8	9	lbr	Siltstone, weathered			1	w fe	17	18	109539
9	10	lbr	Siltstone, weathered			0		18	19	109540
10	11	lbr	Siltstone, weathered			0		19	20	109541
11	12	lbr	Siltstone & Sandstone, fg, weathered			0		20	22	109542
12	13	lbr	Siltstone & Sandstone, fg, weathered			0		22	24	109543
13	14	lbr	Siltstone & Sandstone, fg, weathered			0		24	26	109544
14	15	lbr	Siltstone & Sandstone, fg, weathered			0		26	28	109545
15	16	lbr	Siltstone & Sandstone, fg, weathered			0		28	30	109546
16	17	lgr&br	Siltstone, partly weathered	Tr py		0				
17	18	lbr	Siltstone, weathered			0				
18	19	lbr	Siltstone, weathered			40	fe w			
19	20	lbr	Siltstone, weathered			2	w fe			
20	21	lbr	Siltstone, weathered			0				
21	22	lbr	Siltstone, weathered			0				
22	23	lbr	Siltstone, weathered			1	w			
23	24	lbr	Siltstone, weathered, fault?, high water flow from MT064			0				
24	25	lbr	Siltstone, weathered			0				
25	26	lgr	Siltstone, minor weathering			0				
26	27	lgr	Siltstone, minor weathering			0				
27	28	lbr&gr	Siltstone, weathered			0				
28	29	lbr&gr	Siltstone, weathered			3	fe w			
29	30	lbr&gr	Siltstone, weathered			1	w fe			

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Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, minor weathering			1	w fe	30	31	107547
31	32	lgr&br	Siltstone, partly weathered			5	fe w	31	32	107548
32	33	lbr&gr	Siltstone, weathered	Tr su		70	w fe	32	33	107549
33	34	lbr	Siltstone, weathered			15	fe w	33	34	107550
34	35	lgr&br	Siltstone, partly weathered			2	w fe	34	36	107551
35	36	lgr&br	Siltstone, minor weathering	Tr su		2	w gr	36	38	107552
36	37	lgr&br	Siltstone, minor weathering			0		38	40	107553
37	38	lgr	Siltstone, trace weathering			1	w fe	40	42	107554
38	39	lgr	Siltstone, trace weathering			0.5	w	42	44	107555
39	40	lgr&br	Siltstone, partly weathered			1	w fe	44	45	107556
40	41	lgr&br	Siltstone, partly weathered			1	w fe	45	47	107557
41	42	lgr	Siltstone, trace weathering	Tr py/asp?		2	w gr	47	49	107558
42	43	lgr	Siltstone, partly weathered			0.5	w	49	50	107559
43	44	lgr	Siltstone & Sandstone, fg, trace weathering			0		50	51	107560
44	45	lbr&gr	Siltstone, weathered			20	w fe	51	52	107561
45	46	lgr	Sandstone, fg & Siltstone, minor weathering			2	w	52	53	107562
46	47	lgr&br	Siltstone, partly weathered			2	fe w	53	54	107563
47	48	lgr	Siltstone, minor weathering			0.5	fe w	54	56	107564
48	49	lgr	Siltstone, trace weathering			0		56	57	107565
49	50	lgr&br	Siltstone, partly weathered			0		57	58	107566
50	51	lbr	Siltstone, weathered			60	w fe	58	59	107567
51	52	lbr	Siltstone, weathered			70	w fe	59	60	107568
52	53	lbr	Siltstone, weathered			30	w fe			
53	54	lgr	Sandstone, fg & Siltstone, minor weathering			10	w			
54	55	lgr	Sandstone, fg & Siltstone, trace weathering			1	w			
55	56	lgr	Sandstone, fg & Siltstone, fresh			40	w			
56	57	lgr	Siltstone & Sandstone, fg, fresh			0				
57	58	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		5	w gr			
58	59	lgr	Siltstone, fresh	3% cg asp		80	w gr			
59	60	lgr	Siltstone, fresh	1% cg asp/py		5	w gr			

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Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5%py/asp		5	w	60	61	107569
61	62	lgr	Siltstone & Sandstone, fg, fresh	Tr py/asp		10	w	61	62	107570
62	63	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w	62	64	107571
63	64	lgr	Siltstone, fresh	Tr py		0.5	w	64	66	107572
64	65	lgr	Siltstone & Sandstone, fg, fresh	Tr py		10	w	66	67	107573
65	66	lgr	Siltstone, fresh	Tr py		1	w	67	69	107574
66	67	lgr	Siltstone, fresh	0.5% asp in seds	Py spotting	5	w	69	71	107575
67	68	lgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	71	73	107576
68	69	lgr	Siltstone, fresh			3	w	73	74	107577
69	70	lgr	Siltstone & Sandstone, fg, fresh			1	w	74	75	107578
70	71	lgr&cm	Siltstone & Sandstone, fg, fresh			2	w	75	76	107579
71	72	lgr	Siltstone & Sandstone, fg, fresh			1	w	76	77	107580
72	73	lgr&cm	Siltstone & Sandstone, fg, fresh	Tr su		1	w	77	78	107581
73	74	lgr	Siltstone & Sandstone, fg, fresh	1% py/asp		10	w	78	79	107582
74	75	cm&lgr	Sandstone, fg & Siltstone, fresh			0		79	81	107583
75	76	lgr	Siltstone, fresh	2% cg asp/py		30	w	81	83	107584
76	77	lgr	Siltstone, fresh	0.5% cg asp/py		5	w	83	85	107585
77	78	lgr	Siltstone, fresh	1% cg asp in seds		20	w	85	87	107586
78	79	lgr	Siltstone, fresh	Tr su		10	w	87	89	107587
79	80	lgr	Siltstone, fresh	Tr py		2	w	89	91	107588
80	81	lgr	Siltstone, fresh			0.5	w			
81	82	lgr	Siltstone, fresh	Tr py		1	w			
82	83	cm&lgr	Sandstone, fg & Siltstone, fresh			0				
83	84	lgr	Siltstone, fresh			1	w			
84	85	lgr	Siltstone, fresh	Tr py		3	w			
85	86	lgr	Siltstone, fresh	Tr py		20	w			
86	87	lgr	Siltstone, fresh			1	w			
87	88	lgr	Siltstone, fresh			0				
88	89	lgr&cm	Siltstone & Sandstone, fg, fresh			0				
89	90	lgr	Siltstone, fresh	Tr py		1	w			

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr py		0.5	w	91	93	107589
91	92	lgr&cm	Siltstone & Sandstone, fg, fresh			5	w	93	95	107590
92	93	lgr	Siltstone & minor sandstone, fg, fresh			0.5	w	95	96	107591
93	94	lgr	Siltstone, fresh			0		96	98	107592
94	95	lgr	Siltstone, fresh	0.5% py		0		98	100	107593
95	96	lgr&g	Siltstone, fresh	Tr asp		25	w gr	100	102	107594
96	97	lgr	Siltstone, fresh			3	w	102	104	107595
97	98	lgr	Siltstone & Sandstone, fg, fresh			2	w	104	106	107596
98	99	lgr	Siltstone, fresh			0		106	108	107597
99	100	lgr	Siltstone, fresh			0		108	110	107598
100	101	lgr	Siltstone, fresh			0		110	112	107599
101	102	lgr	Siltstone, fresh	0.5% py		5	w	112	114	107600
102	103	lgr	Siltstone, fresh	0.5% py		5	w			
103	104	lgr	Siltstone, fresh	Tr py		2	w			
104	105	gr	Siltstone, fresh	0.5% py		0				
105	106	gr	Siltstone, fresh			0				
106	107	gr	Siltstone, fresh	Tr py		1	w			
107	108	gr	Siltstone, fresh	Tr py		2	w			
108	109	gr	Siltstone, fresh			0				
109	110	gr	Siltstone, fresh			0				
110	111	gr	Siltstone, fresh			0				
111	112	lgr	Siltstone & Sandstone, fg, fresh			2	w			
112	113	lgr	Siltstone, fresh			2	w			
113	114	lgr	Siltstone, fresh			0.5	w	Surveys		
			EOH at 114m					Depth	Azimuth	Inclination
								30	254	46
								60	252	42
								90	250	34

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