

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

Project	New Golden Gate	Geologist	DG Jackson	Easting	574589m	Hole No	RC99MT055
Date Commenced	21.6.99	Drillers	Diamond Drill Tas	Northing	5406765m	Azimuth	270 AMG
Date Completed	22.6.99	Hole Depth	115m	RL	306.5m	Inclination	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1		No Recovery					4	6	106659
1	2		No Recovery					6	8	106660
2	3		No Recovery					8	10	106661
3	4		No Recovery					10	12	106662
4	5	dbr	Siltstone & Sandstone, fg, weathered & Surface Lag			10	w fe	12	14	106663
5	6	ybr	Siltstone & Sandstone, fg, weathered			25	fe w	14	16	106664
6	7	br	Siltstone & Sandstone, fg, weathered			1	w fe	16	18	106665
7	8	br	Siltstone & Sandstone, fg, weathered			10	w fe	18	20	106666
8	9	br	Siltstone & Sandstone, fg, weathered			1	w fe	20	22	106667
9	10	br&gr	Siltstone & Sandstone, fg, weathered			10	fe w	22	24	106668
10	11	br&gr	Siltstone & Sandstone, fg, weathered			0		24	26	106669
11	12	br	Sandstone, fg, weathered	Cement contam		0		26	28	106670
12	13	br	Sandstone, fg, & Siltstone, weathered			0		28	30	106671
13	14	br	Sandstone, fg, & Siltstone, weathered			2	fe w			
14	15	br	Sandstone, fg, & Siltstone, weathered	Cement contam		0				
15	16	br	Siltstone, weathered	Cement contam		0.5	fe w			
16	17	gr&br	Siltstone & Sandstone, fg, weathered			0.5	fe w			
17	18	br	Siltstone & Sandstone, fg, weathered	Cement contam		1	fe w			
18	19	gr&br	Siltstone & Sandstone, fg, weathered			0				
19	20	br	Siltstone & Sandstone, fg, weathered			0				
20	21	br	Siltstone & Sandstone, fg, weathered			0				
21	22	br	Siltstone & Sandstone, fg, weathered			1	fe w			
22	23	br&gr	Siltstone & Sandstone, fg, weathered			0				
23	24	br	Siltstone & Sandstone, fg, weathered			1	fe w			
24	25	gr&br	Siltstone & Sandstone, fg, weathered			0				
25	26	br&gr	Siltstone & Sandstone, fg, weathered			0				
26	27	br	Siltstone & Sandstone, fg, weathered			2	w fe			
27	28	br	Siltstone & Sandstone, fg, weathered			2	w fe			
28	29	br	Siltstone, weathered			0				
29	30	gr&br	Siltstone, weathered			10	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, partly weathered	0.5% py		5	w	30	32	106672
31	32	lgr	Sandstone & Siltstone, partly weathered	Tr py		5	w	32	33	106673
32	33	lgr	Sandstone & Siltstone, partly weathered	0.5% asp/py	Py spotting	5	w	33	34	106674
33	34	lgr	Siltstone, trace weathering	0.5% py	Py spotting	3	w	34	35	106675
34	35	lgr	Sandstone, fg, fresh	Tr asp		60	w	35	36	106676
35	36	lgr	Sandstone, fg, fresh	0.5% py		80	w	36	37	106677
36	37	lgr	Siltstone & Sandstone, fg, fresh	Tr asp		60	w	37	38	106678
37	38	lgr	Siltstone & Sandstone, fg, fresh			50	w	38	39	106679
38	39	lgr	Siltstone, fresh	5% cg asp		80	w	39	40	106680
39	40	lgr	Siltstone & Sandstone, fg, fresh	0.5% asp/py		30	w	40	42	106681
40	41	lgr	Siltstone, fresh			1	w	42	44	106682
41	42	lgr	Siltstone, fresh		Py spotting	2	w	44	45	106683
42	43	lgr	Siltstone & Sandstone, fg, fresh	0.5% py	Py spotting	5	w	45	46	106684
43	44	lgr	Siltstone, fresh		Py spotting	1	w	46	47	106685
44	45	lgr	Siltstone, fresh	0.5% cg asp/py	Py spotting	15	w	47	48	106686
45	46	lgr	Siltstone, fresh		Py spotting	2	w	48	49	106687
46	47	lgr	Siltstone, fresh			90	w	49	50	106688
47	48	lgr	Siltstone, fresh	Tr py		90	w	50	51	106689
48	49	lgr	Siltstone, fresh	Tr py 1 nugget 2 vg		80	w	51	52	106690
49	50	lgr	Siltstone, fresh	1% cg asp		70	w	52	53	106691
50	51	lgr	Siltstone, fresh	1% cg asp/py	Py spotting	40	w	53	54	106692
51	52	lgr	Siltstone, fresh	1% cg asp/py		50	w	54	55	106693
52	53	lgr	Siltstone, fresh	1% cg asp/py		70	w	55	56	106694
53	54	lgr	Siltstone, fresh	1% cg asp/py		20	w	56	58	106695
54	55	lgr	Siltstone, fresh	0.5% py		3	w	58	60	106696
55	56	lgr	Siltstone, fresh	0.5% asp/py		5	w			
56	57	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	1	w			
57	58	lgr	Siltstone & Sandstone, fg, fresh		Py spotting	1	w			
58	59	lgr	Siltstone, fresh		Py spotting	1	w			
59	60	lgr	Siltstone, fresh		Py spotting	0				

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Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Tr py	Py spotting	1	w	60	62	106697
61	62	lgr	Siltstone, fresh		Py spotting	0		62	64	106698
62	63	lgr	Siltstone, fresh			0		64	66	106699
63	64	lgr	Siltstone, fresh			0		66	68	106700
64	65	lgr	Siltstone, fresh			2	w	68	70	106701
65	66	f&dgr	Siltstone & Sandstone, fg, fresh	Tr py		3	w	70	72	106702
66	67	lgr	Siltstone, fresh			1	w	72	74	106703
67	68	lgr	Siltstone, fresh		Py spotting	1	w	74	76	106704
68	69	lgr	Siltstone, fresh	Tr py	Py spotting	1	w	76	78	106705
69	70	lgr	Siltstone, fresh	Tr py		1	w	78	80	106706
70	71	lgr	Siltstone, fresh			0		80	82	106707
71	72	lgr	Siltstone, fresh			0		82	84	106708
72	73	lgr	Siltstone, fresh			0		84	86	106709
73	74	lgr	Siltstone, fresh			5	w	86	87	106710
74	75	lgr	Siltstone, fresh			20	w	87	88	106711
75	76	lgr	Siltstone, fresh			0.5	w	88	90	106712
76	77	lgr	Siltstone & Sandstone, fg, fresh	Tr py		5	w			
77	78	lgr	Siltstone, fresh	Contaminated		0				
78	79	lgr	Siltstone, fresh	Contaminated	Tr py	0				
79	80	lgr	Siltstone, fresh			1	w			
80	81	lgr	Siltstone, fresh			0				
81	82	lgr	Siltstone, fresh			0				
82	83	lgr	Siltstone, fresh			1	w			
83	84	lgr	Siltstone, fresh			1	w			
84	85	lgr	Siltstone, fresh			0				
85	86	lgr	Siltstone, fresh			0				
86	87	lgr	Siltstone, fresh	Tr py	Py spotting	40	w			
87	88	lgr	Siltstone, fresh	0.5%cg asp/py		40	w			
88	89	lgr	Siltstone, fresh		Py spotting	0				
89	90	lgr	Siltstone, fresh		Py spotting	0.5	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			0		90	92	106713
91	92	lgr	Siltstone, fresh			0		92	94	106714
92	93	lgr	Siltstone, fresh			0		94	96	106715
93	94	lgr	Siltstone, fresh			0		96	98	106716
94	95	lgr	Siltstone, fresh			0		98	100	106717
95	96	lgr	Siltstone, fresh			0		100	102	106718
96	97	lgr	Siltstone, fresh			0		102	103	106719
97	98	lgr	Siltstone, fresh			0		103	104	106720
98	99	lgr	Siltstone, fresh		Py spotting	0		104	105	106721
99	100	lgr	Siltstone, fresh		Py spotting	1	w	105	106	106722
100	101	lgr	Siltstone, fresh	Tr py	Py spotting	0		106	107	106723
101	102	lgr	Siltstone, fresh		Py spotting	0		107	108	106724
102	103	lgr	Siltstone, fresh	0.5% py	Py spotting	5	w	108	109	106725
103	104	lgr	Siltstone & Sandstone, fg, fresh	1 % py		60	gr w	109	110	106726
104	105	lgr	Siltstone, fresh	0.5% py	Py spotting	30	w gr	110	111	106727
105	106	lgr	Siltstone, fresh	0.5% py		25	w gr	111	113	106728
106	107	lgr	Siltstone, fresh			10	w	113	115	106729
107	108	lgr	Siltstone, fresh	0.5% py/asp		40	w			
108	109	gr	Siltstone, fresh	Tr py		15	w			
109	110	gr	Siltstone, fresh		Py spotting	40	w			
110	111	gr	Siltstone, fresh			25	w			
111	112	gr	Siltstone, fresh			2	w	Surveys		
112	113	gr	Siltstone, fresh			2	w			
113	114	gr	Siltstone, fresh			0.5	w	Depth	Azimuth	Inclination
114	115	l&dgr	Siltstone, fresh	Contaminated		15	w			
								30	260	52
			EOH at 115m					60	262	48.5
								90	260.5	45.5

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