

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

Prospect	New Golden Gate	Geologist	D G Jackson	Easting	574461.1m	Hole No	RC98MT029
Date Commenced	30.10.98	Drillers	Diamond Drill Tas	Northing	5406625.6m	Azimuth	270 AMG
Date Completed	31.10.98	Hole Depth	139m	RL	326.3m	Inclination	60

Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	lbr	Siltstone, weathered			0		0	2	105102
1	2	lbr	Siltstone, weathered			0		2	4	105103
2	3	lbr	Siltstone, weathered			1	fe	4	6	105104
3	4	lbr	Siltstone, weathered			0		6	8	105105
4	5	lbr	Siltstone, weathered			0		8	10	105106
5	6	lbr	Siltstone, weathered	Tr ox asp		5	fe gr w	10	12	105107
6	7	lbr	Siltstone, weathered	V fe qtz		20	fe	12	14	105108
7	8	lbr	Siltstone, weathered			15	fe	14	16	105109
8	9	lbr	Siltstone, weathered			1		16	18	105110
9	10	lbr	Siltstone, weathered			1	fe	18	20	105111
10	11	lbr	Siltstone, weathered			3	fe	20	22	105112
11	12	lbr	Siltstone, weathered			3	fe	22	24	105113
12	13	lbr	Siltstone, weathered	Tr ox asp		2	fe	24	26	105114
13	14	lbr	Siltstone, weathered			30	fe w	26	28	105115
14	15	lbr	Siltstone, weathered			5	fe w	28	30	105116
15	16	lbr	Siltstone, weathered			80	fe w			
16	17	lbr	Siltstone, weathered			1	fe w			
17	18	lbr	Siltstone, weathered			1	fe w			
18	19	lbr	Siltstone, weathered	Tr asp		3	fe w gr			
19	20	lbr	Siltstone, weathered			3	fe w			
20	21	lbrgr	Siltstone, weathered			30	fe w			
21	22	lgr	Siltstone, partially weathered			1	w			
22	23	lgr	Siltstone, partially weathered			1	fe w			
23	24	lgr	Siltstone, partially weathered			1	w			
24	25	lgr	Siltstone, partially weathered	0.5% asp		2	gr w			
25	26	lgr	Siltstone, fresh			1	w			
26	27	lgr	Siltstone, fresh			0				
27	28	lgr	Siltstone, fresh			0				
28	29	lgr	Siltstone, fresh	1% asp		5	gr w			
29	30	lgr	Siltstone, fresh	2% asp		10	gr w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh	2% asp		10	gr w	30	31	105117
31	32	lgr	Siltstone, fresh	1% asp		60	w	31	32	105118
32	33	lgr	Siltstone, fresh	1% asp		60	w gr	32	33	105119
33	34	lgr	Siltstone, fresh	1% asp		95	w gr	33	34	105120
34	35	lgr	Siltstone, fresh	2% asp		80	w gr	34	35	105121
35	36	dgr	Siltstone, fresh	5% asp & vg		98	w gr	35	36	105122
36	37	lgr	Siltstone, fresh	5% asp		80	w gr	36	37	105123
37	38	lgr	Siltstone, fresh	5% asp	Damp	50	gr w	37	38	105124
38	39	lgr	Siltstone, fresh	2% asp		30	w gr	38	39	105125
39	40	lgr	Siltstone, fresh	0.5% asp		20	w	39	41	105126
40	41	lgr	Siltstone, fresh	1% asp		30	w gr	41	43	105127
41	42	dgr	Siltstone, fresh	Tr asp	bio	30	w	43	45	105128
42	43	dgr	Siltstone, fresh	1% asp	bio	30	w gr	45	47	105129
43	44	l & dgr	Siltstone, fresh		bio	1	w	47	48	105130
44	45	lgr	Siltstone, fresh	Tr asp		1	gr w	48	49	105131
45	46	dgr	Siltstone, fresh		bio	15	w	49	51	105132
46	47	l & dgr	Siltstone, fresh	Tr asp	bio	20	w	51	52	105133
47	48	dgr	Siltstone, fresh	3% asp	bio	60	gr w	52	53	105134
48	49	dgr	Siltstone, fresh	2% asp	bio	60	w gr	53	54	105135
49	50	dgr	Siltstone & minor Sandstone, fresh		bio	0.5	w	54	56	105136
50	51	dgr	Siltstone, fresh	Tr asp		20	w	56	58	105137
51	52	d & lgr	Siltstone, fresh	3% asp		95	gr w	58	59	105138
52	53	lgr	Siltstone, fresh	5% asp		95	gr w	59	60	105139
53	54	lgr	Siltstone, fresh	3% py/asp		20	gr			
54	55	lgr	Siltstone, fresh	0.5% asp		2	gr			
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh	1% asp		20	gr			
57	58	lgr	Siltstone, fresh	0.5% asp/py		3	w			
58	59	lgr	Siltstone, fresh	2% asp/py		70	gr			
59	60	lgr	Siltstone, fresh			0.5	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	0.5% asp		10	w	60	62	105140
61	62	lgr	Siltstone, fresh	1% asp		40	w gr fe	62	64	105141
62	63	lgr	Siltstone, fresh, trace fe			0		64	66	105142
63	64	lgr	Siltstone, fresh, trace fe			0		66	68	105143
64	65	lgr	Siltstone, fresh, trace fe			0		68	70	105144
65	66	lgr	Siltstone, fresh, trace fe	Tr asp		0		70	72	105145
66	67	lgr	Siltstone, fresh, trace fe			0		72	74	105146
67	68	lgr	Siltstone, fresh, trace fe	Tr asp		1	w	74	76	105147
68	69	dgr	Siltstone, fresh			0		76	78	105148
69	70	dgr	Siltstone, fresh			0.5	w	78	80	105149
70	71	l & dgr	Siltstone, fresh	Tr asp		10	w	80	81	105150
71	72	l & dgr	Siltstone, fresh			1	w	82	84	105151
72	73	l & dgr	Siltstone, fresh	Tr asp		3	w	84	87	105152
73	74	l & dgr	Siltstone, fresh			5	w	87	89	105153
74	75	l & dgr	Siltstone, fresh			3	w	89	91	105154
75	76	lgr	Siltstone, fresh			0				
76	77	lgr	Siltstone, fresh			0				
77	78	lgr	Siltstone, fresh			0				
78	79	lgr	Siltstone, fresh			0				
79	80	lgr	Siltstone & Sandstone, fresh			1	w			
80	81	l & dgr	Siltstone, fresh	Tr py/asp		1	w			
81	82	lgr	Siltstone, fresh			0				
82	83	l & dgr	Siltstone, fresh			5	w			
83	84	lgr	Siltstone, fresh			0.5	w			
84	85	lgr	Siltstone, fresh			0				
85	86	l & dgr	Siltstone & Sandstone, fresh			0				
86	87	l & dgr	Siltstone, fresh			0.5	w			
87	88	lgr	Siltstone & Sandstone, fresh	Tr asp		15	w			
88	89	lgr	Siltstone & Sandstone, fresh	Tr py/asp		15	w			
89	90	lgr	Siltstone, fresh	1% py		0				

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	l & dgr	Siltstone & Sandstone, fresh			0.5	w	91	93	105155
91	92	lgr	Sandstone, fresh	Tr py/asp		1	w	93	95	105156
92	93	lgr	Sandstone, fresh	Tr py		0		95	97	105157
93	94	l & dgr	Siltstone, fresh			0		97	99	105158
94	95	lgr	Siltstone & minor Sandstone, fresh	Tr asp		30	w	99	101	105159
95	96	l & dgr	Siltstone, fresh			0.5	w	101	103	105160
96	97	lgr	Siltstone, fresh			0		103	105	105161
97	98	lgr	Siltstone, fresh			0		105	107	105162
98	99	l & dgr	Siltstone, fresh	Tr py		0		107	110	105163
99	100	lgr	Siltstone, fresh			0.5		110	112	105164
100	101	l & dgr	Siltstone, fresh		bio	0		112	114	105165
101	102	l & dgr	Siltstone, fresh		bio	0		114	115	105166
102	103	lgr	Siltstone, fresh			0		115	116	105167
103	104	l & dgr	Siltstone, fresh	Tr py		1	w	116	118	105168
104	105	lgr	Siltstone, fresh			0		118	120	105169
105	106	lgr	Siltstone, fresh			0				
106	107	l & dgr	Siltstone, fresh	Tr asp		0				
107	108	l & dgr	Siltstone, fresh	Tr asp/py		0.5				
108	109	l & dgr	Siltstone, fresh			0				
109	110	l & dgr	Siltstone, fresh			0				
110	111	l & dgr	Siltstone, fresh			0				
111	112	l & dgr	Siltstone, fresh	Tr asp		0.5	w			
112	113	l & dgr	Siltstone, fresh	Tr py		0.5	w			
113	114	lgr	Siltstone & minor Sandstone, fresh			0.5				
114	115	lgr	Siltstone, fresh	2% asp		20	w gr			
115	116	lgr	Siltstone, fresh	Damp 3% asp		60	w gr			
116	117	lgr	Siltstone, fresh	1% asp		3	gr			
117	118	lgr	Siltstone, fresh	Tr asp		1	gr			
118	119	lgr	Siltstone, fresh	0.5% asp		2	gr			
119	120	lgr	Siltstone, fresh	0.5% asp/py		1	gr			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
120	121	lgr	Siltstone, fresh	1% asp		3	gr w	120	122	105170
121	122	lgr	Siltstone, fresh			0		122	124	105171
122	123	lgr	Siltstone, fresh	1% asp		25	gr w	124	125	105172
123	124	lgr	Siltstone, fresh	Tr asp		10	w	125	127	105173
124	125	dgr	Siltstone & Shale, fresh	1% asp		50	w	127	129	105174
125	126	dgr	Siltstone & Shale, fresh	1% py		1	w	129	131	105175
126	127	dgr	Siltstone & Shale, fresh	0.5% py		2	w	131	133	105176
127	128	dgr	Siltstone & Shale, fresh			0.5	w	133	135	105177
128	129	dgr	Siltstone, fresh			2	ww	135	137	105178
129	130	dgr	Siltstone, fresh	Tr asp		0.5	gr w	137	139	105179
130	131	dgr	Siltstone & Shale, fresh	0.5% asp		5	w gr			
131	132	dgr	Siltstone & Shale, fresh	0.5% py/asp		2	w gr			
132	133	dgr	Siltstone & Shale, fresh	1% py/asp		5	w gr			
133	134	dgr	Siltstone & Shale, fresh	Tr asp		10	w gr			
134	135	dgr	Siltstone & Shale, fresh	Tr asp		10	w gr			
135	136	dgr	Siltstone & Shale, fresh			0				
136	137	dgr	Siltstone & Shale, fresh			0				
137	138	lgr	Siltstone, fresh	Tr asp		1	w			
138	139	lgr	Siltstone, fresh			0				
139	140									
140	141		EOH at 139m					Surveys		
141	142									
142	143							Depth	Azimuth	Inclination
143	144							30	262	59
144	145							60	264	58.5
145	146							90	263	60.5
146	147							120	262	62.5
147	148									
148	149									
149	150									

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