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

Prospect	New Golden Gate	**Geologist**	D G Jackson	**Easting**	574558.9m	**Hole No**	RC98MT034
Date Commenced	4.11.98	**Drillers**	Diamond Drill Tas	**Northing**	5406667.3m	**Azimuth**	270 AMG
Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Tailings					0	2	105389
1	2	br	Tailings					2	4	105390
2	3	br	Tailings					4	5	105391
3	4	br	Tailings					6	8	105392
4	5	br	Tailings					8	10	105393
5	6		No Sample Return					10	13	105394
6	7	br	Clay balls			0		13	14	105395
7	8	br	Clay balls			0		14	16	105396
8	9	ybr	Siltstone, weathered & Clay			1	w	16	18	105397
9	10	ybr	Siltstone, weathered			1	w	18	20	105398
10	11	ybr	Siltstone, weathered			0.5	fe	20	22	105399
11	12	lbr	Siltstone, weathered			0		22	24	105400
12	13	lbr	Siltstone, weathered			40	w fe	24	26	105401
13	14	lgrbr	Siltstone, partly weathered			0.5	w fe	26	28	105402
14	15	lgrbr	Siltstone, partly weathered			2	w fe	28	30	105403
15	16	lgr	Siltstone, partly weathered			10	w			
16	17	lgr	Siltstone, partly weathered			0				
17	18	lgr	Siltstone, partly weathered			0				
18	19	lgr	Siltstone & minor sandstone, partly weathered			0.5	w			
19	20	lgr	Siltstone, fresh			2	w			
20	21	lgr	Siltstone, fresh			5	w			
21	22	lgr	Siltstone, fresh			0				
22	23	dgr&g	Siltstone, fresh			0				
23	24	dgr&g	Siltstone, fresh			0				
24	25	dgr&g	Siltstone, fresh			0				
25	26	dgr&g	Siltstone & minor sandstone, fresh Damp			0				
26	27	dgr&g	Siltstone, fresh			0				
27	28	lgr&cm	Siltstone & minor sandstone, fresh			0				
28	29	lgr	Siltstone, fresh	Tr py		1	w			
29	30	lgr	Siltstone, fresh			0				

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Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone, fresh			40	w	30	32	105404
31	32	lgr	Siltstone & minor sandstone, fresh			2	w	32	34	105405
32	33	lgr	Siltstone, fresh			0		34	36	105406
33	34	lgr	Siltstone, fresh			2	w	36	38	105407
34	35	lgr	Siltstone, fresh			1	w	38	40	105408
35	36	lgr	Siltstone, fresh			0.5	w	40	42	105409
36	37	lgr	Siltstone, fresh	Tr asp		2	w	42	44	105410
37	38	lgr	Siltstone, fresh			0		44	46	105411
38	39	lgr	Siltstone, fresh			0.5	w	46	48	105412
39	40	lgr	Siltstone, fresh	Tr py		0.5	w	48	50	105413
40	41	lgr	Siltstone & Sandstone, fg, fresh			0		50	52	105414
41	42	lgr	Siltstone, fresh			3	w	52	54	105415
42	43	lgr	Siltstone, fresh			0		54	56	105416
43	44	lgr	Siltstone & Sandstone, fg, fresh			0		56	58	105417
44	45	lgr	Siltstone & Sandstone, fg, fresh			0		58	60	105418
45	46	lgr	Siltstone, fresh			0				
46	47	lgr	Siltstone, fresh			0				
47	48	lgr	Siltstone, fresh			0				
48	49	lgr	Siltstone, fresh			0				
49	50	lgr	Siltstone, fresh			0				
50	51	lgr	Siltstone, fresh			0				
51	52	cm&lgr	Sandstone, fg & Siltstone, fresh			0				
52	53	cm&lgr	Sandstone, fg & Siltstone, fresh			0				
53	54	cm&lgr	Sandstone, fg & Siltstone, fresh			1	w			
54	55	lgr	Siltstone, fresh			0				
55	56	lgr	Siltstone, fresh			0				
56	57	lgr	Siltstone, fresh			0				
57	58	lgr	Siltstone, fresh			0				
58	59	lgr	Siltstone, fresh			0				
59	60	lgr	Siltstone, fresh			0				

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Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	Tr py		0		60	62	105419
61	62	lgr	Siltstone, fresh			0		62	64	105420
62	63	lgr	Siltstone, fresh			0.5	w	64	66	105421
63	64	lgr	Siltstone, fresh			0		66	68	105422
64	65	lgr	Siltstone, fresh			0.5	w	68	70	105423
65	66	lgr	Siltstone, fresh	Tr asp/py		5	w gr	70	72	105424
66	67	lgr	Siltstone, fresh			0		72	74	105425
67	68	lgr	Siltstone, fresh			2	w gr	74	76	105426
68	69	lgr	Siltstone, fresh			0		76	78	105427
69	70	lgr	Siltstone, fresh			0		78	80	105428
70	71	lgr	Siltstone, fresh			0		80	82	105429
71	72	lgr	Siltstone, fresh			0		82	84	105430
72	73	lgr	Siltstone, fresh	Tr asp		2	w gr	84	86	105431
73	74	lgr	Siltstone, fresh			0.5	w	86	87	105432
74	75	lgr	Siltstone, fresh	Tr py		1	w	87	88	105433
75	76	lgr	Siltstone, fresh	Tr asp		3	w	88	89	105434
76	77	lgr	Siltstone, fresh			0		89	90	105435
77	78	lgr	Siltstone, fresh			0				
78	79	l&dgr	Siltstone, fresh			0				
79	80	lgr	Siltstone, fresh			0				
80	81	lgr	Siltstone, fresh	Tr asp		5	w gr			
81	82	lgr	Siltstone, fresh			1	w			
82	83	lgr	Siltstone, fresh			1	w			
83	84	lgr	Siltstone, fresh			2	w			
84	85	lgr	Siltstone, fresh	Tr py		5	w			
85	86	lgr	Siltstone, fresh	Tr asp		3	w gr			
86	87	lgr	Siltstone, fresh	0.5% asp/py		10	dgr			
87	88	dgr	Shale, graphitic, fresh	2% py/asp		60	dgr w			
88	89	dgr	Shale, graphitic, fresh	1% py/asp		20	dgr w			
89	90	dgr	Shale, graphitic, fresh	2% py/asp		60	dgr w			

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Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	dgr	Shale, graphitic, fresh - low sample recovery - wet	1% py		30	gr w	90	91	105436
91	92	dgr	Shale & Siltstone, graphitic, fresh			30	gr w	91	92	105437
92	93	dgr	Shale & Siltstone, graphitic, fresh	Tr Su		15	w gr	92	94	105438
93	94	bl	Shale, graphitic, fresh			5	w	94	95	105439
94	95	bl	Shale & Siltstone, graphitic, fresh	2% py/asp		80	gr w	95	96	105440
95	96	bl	Shale & Siltstone, graphitic, fresh	2% py/asp		50	gr w	96	98	105441
96	97	bl	Shale, graphitic, fresh	1% py		1	gr w	98	100	105442
97	98	bl	Shale, graphitic, fresh	0.5% py		0.5	gr w	100	103	105443
98	99	bl	Shale, graphitic, fresh	0.5% py		0.5	gr w	103	105	105444
99	100	bl	Shale, graphitic, fresh	0.5% py		0		105	106	105445
100	101	bl	Shale, graphitic, fresh	1% py		1	w	106	107	105446
101	102	bl	Shale, graphitic, fresh - small damp sample			1	w	107	108	105447
102	103	bl	Shale, graphitic, fresh			0.5	w	108	109	105448
103	104	bl	Shale, graphitic, fresh	0.5% py		25	w gr	109	111	105449
104	105	bl	Shale, graphitic, fresh	0.5% py/asp		25	w gr	111	112	105450
105	106	bl	Shale & Siltstone, graphitic, fresh			0		112	114	105451
106	107	lgr	Siltstone, fresh	2% py/asp		40	w gr	114	117	105452
107	108	lgr	Siltstone, fresh	0.5% py/asp		25	w gr	117	119	105453
108	109	lgr	Siltstone, fresh	0.5% py/asp		10	w gr	119	121	105454
109	110	lgr	Siltstone, fresh Small sample	0.5% py		2	w			
110	111	lgr	Siltstone, fresh Large Sample	Tr py		2	w			
111	112	lgr	Siltstone, fresh			0.5	w			
112	113	dgr	Siltstone & Shale, fresh	1% py/asp		10	w gr			
113	114	dgr	Siltstone & Shale,graphitic, fresh	0.5% py		70	w gr			
114	115	kh	Sandstone, fg, fresh	Tr asp		5	w gr			
115	116	kh	Sandstone, fg, fresh	0.5% asp		5	w gr			
116	117	kh	Sandstone, fg, fresh			0.5	w			
117	118	kh	Sandstone, fg, fresh	1% asp		40	w			
118	119	lgr	Sandstone, fg, fresh	Tr asp		50	w			
119	120	lgr	Siltstone, fresh Small sample	0.5% py/asp		20	w			

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Date Completed	5.11.98	**Hole Depth**	135	**RL**	313.6m	**Inclination**	55

Depth		Lithology							Sampling		
From	To	Colour	Description		Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
120	121	lgr&g	Siltstone & Sandstone,fg, fresh	Small wet sample	1% asp/py		50	w gr	121	123	105455
121	122	lgr&g	Sandstone, fg, with minor dgr Slst	Small wet sample			0		123	125	105456
122	123	lgr&g	Sandstone, fg, fresh	Small wet sample			3	w	125	127	105457
123	124	lgr&g	Sandstone, fg & dgr Siltstone	Big wet sample			0		127	129	105458
124	125	lgr&g	Sandstone, fg & minor dgr Siltstone	Small wet sample			2	w	129	131	105459
125	126	lgr&g	Sandstone, fg & dgr Siltstone	Small wet sample			2	w	131	133	105460
126	127	lgr	Sandstone, fg, fresh	Small wet sample			0		133	135	105461
127	128	l&dgr	Siltstone minor sandstone, fresh	Small wet sample	Tr asp		0.5	w			
128	129	lgr	Siltstone, fresh	Small wet sample	Tr asp/py		2	w			
129	130	l&dgr	Siltstone minor sandstone, fresh	Small wet sample	Tr py		0				
130	131	l&dgr	Siltstone, fresh	Small wet sample	Tr py		0				
131	132	l&dgr	Siltstone, fresh	Small wet sample	Tr py		0				
132	133	l&dgr	Siltstone, fresh	Small wet sample			0.5	w			
133	134	l&dgr	Siltstone, fresh	Small wet sample	Tr py		0				
134	135	l&dgr	Siltstone, fresh EOH at 135m	Small wet sample			0				
135	136										
136	137										
137	138										
138	139										
139	140										
140	141										
141	142										
142	143										
143	144										
144	145										
145	146										
146	147										
147	148										
148	149										
149	150										

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