

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

Aspect	New Golden Gate	Geologist	DG Jackson	Easting	574475m	Hole No	RC99MT060
Site Commenced	2.7.99	Drillers	Diamond Drill Tas	Northing	5406605m	Azimuth	270 AMG
Site Completed	3.7.99	Hole Depth	103m	RL	326m	Inclination	60

Depth		Lithology						Sampling		
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
0	1	br	Transported O/B & Soil			20	w	0	2	106983
1	2	lbr	Transported O/B & Clay			25	w fe	2	4	106984
2	3	ybr	Sandstone, fg, & Siltstone, weathered			0		4	6	106985
3	4	ybr	Siltstone, weathered			0		6	8	106986
4	5	lbr	Siltstone & Sandstone, fg, weathered			0		8	10	106987
5	6	ybr	Siltstone, weathered			0		10	12	106988
6	7	ybr	Siltstone, weathered			5	fe w	12	14	106989
7	8	ybr	Siltstone, weathered			0		14	16	106990
8	9	ybr	Siltstone, weathered			0		16	17	106991
9	10	ybr	Siltstone, weathered			0		17	19	106992
10	11	ybr&gr	Siltstone, weathered			0		19	21	106993
11	12	ybr&gr	Siltstone, weathered			0		21	22	106994
12	13	ybr&gr	Siltstone, weathered			0		22	23	106995
13	14	ybr&gr	Siltstone, weathered			0		23	24	106996
14	15	ybr&gr	Siltstone, weathered			3	w fe	24	25	106997
15	16	ybr&gr	Siltstone, weathered			3	w fe	25	26	106998
16	17	ybr&gr	Siltstone, weathered	Tr su		70	w gr fe	26	27	106999
17	18	ybr&gr	Siltstone, weathered			3	w fe	27	28	107000
18	19	ybr	Siltstone, weathered			15	w fe	28	29	107251
19	20	ybr&gr	Siltstone, weathered			0		29	30	107252
20	21	lgr	Sandstone, fg, & Siltstone, weathered			10	w fe			
21	22	lgr	Siltstone, minor weathering	1% ox py		5	w fe			
22	23	lgr	Siltstone & Sandstone, fg, minor weathering	2% ox py		30	w gr			
23	24	lgr	Siltstone & Sandstone, fg, trace weathering	1% py		5	w gr			
24	25	lgr	Siltstone & Sandstone, fg, minor weathering	0.5% cg asp/py		70	w fe			
25	26	lgr	Siltstone & Sandstone, fg, minor weathering	1% py/asp		70	w fe			
26	27	lgr	Siltstone & Sandstone, fg, fresh	0.5% py/asp		90	w			
27	28	kh	Siltstone, fresh	0.5% py/asp		80	w			
28	29	kh	Siltstone, fresh	Tr py		60	w			
29	30	kh	Siltstone & Sandstone, fg, fresh	0.5% py		15	w			

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Depth		Lithology					Sampling			
From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
30	31	lgr	Siltstone & Sandstone, fg, fresh			2	w	30	32	107253
31	32	lgr	Siltstone, fresh			0		32	34	107254
32	33	lgr	Siltstone, fresh	Tr py		0		34	36	107255
33	34	lgr	Siltstone & Sandstone, fg, fresh			3	w	36	38	107256
34	35	lgr	Sandstone, fg, & Siltstone, fresh	Tr su		2	w	38	39	107257
35	36	lgr&kh	Sandstone, fg, & Siltstone, fresh	Tr su		15	w	39	40	107258
36	37	lgr&kh	Siltstone, fresh	Tr su		0.5	w	40	41	107259
37	38	lgr	Siltstone, fresh			0		41	42	107260
38	39	lgr	Siltstone, fresh	1% asp/py		3	gr w	42	43	107261
39	40	kh	Siltstone, fresh	0.5% py		40	w	43	44	107262
40	41	lgr&kh	Siltstone & Sandstone, fg, fresh			2	w	44	45	107263
41	42	lgr&kh	Siltstone & Sandstone, fg, fresh	0.5% cg asp		50	w	45	46	107264
42	43	lgr&kh	Siltstone, fresh	1% cg asp/py		60	w	46	47	107265
43	44	kh	Siltstone, fresh	1% cg asp/py		90	w	47	48	107266
44	45	kh	Siltstone, fresh	1% cg asp/py		20	w	48	49	107267
45	46	kh	Siltstone, fresh	1% cg asp/py		60	w gr	49	50	107268
46	47	lgr&kh	Siltstone, fresh	0.5% cg asp		2	w	50	51	107269
47	48	kh	Siltstone & Sandstone, fg, fresh	0.5% cg asp		30	w	51	52	107270
48	49	kh	Siltstone, fresh	Tr su		30	w	52	53	107271
49	50	lgr&kh	Siltstone, fresh	1% asp/py		30	w gr	53	54	107272
50	51	lgr	Siltstone, fresh	1% asp		25	w gr	54	55	107273
51	52	lgr	Siltstone, fresh	0.5% asp/py		25	w	55	56	107274
52	53	lgr	Siltstone, fresh	0.5% asp/py		30	w	56	58	107275
53	54	lgr	Siltstone, fresh	1% asp/py		40	w	58	59	107276
54	55	lgr	Siltstone, fresh	3% py/asp		30	w	59	60	107277
55	56	lgr	Siltstone, fresh	0.5% asp/py		15	w			
56	57	lgr	Siltstone, fresh			15	w			
57	58	lgr	Siltstone, fresh	Tr py		10	w			
58	59	lgr	Siltstone, fresh	Tr py/asp		10	w			
59	60	lgr	Siltstone, fresh	1% fg asp/py		10	w			

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
60	61	lgr	Siltstone, fresh	1% fg asp/py		30	w	60	61	107278
61	62	lgr	Siltstone, fresh	1% asp/py		15	w	61	62	107279
62	63	lgr	Siltstone, fresh	0.5% fg asp/py		20	w	62	63	107280
63	64	lgr	Siltstone, fresh	3% fg asp/py		95	gr w	63	64	107281
64	65	gr	Quartz	3% fg asp/py		100	gr w	64	65	107282
65	66	gr	Quartz	5% asp/py		100	gr w	65	66	107283
66	67	gr	Siltstone, fresh	3% asp/py		95	gr w	66	67	107284
67	68	gr	Siltstone, fresh	3% asp/py		95	gr w	67	68	107285
68	69	kh	Siltstone, fresh	2% asp/py		60	w gr	68	69	107286
69	70	kh&gr	Siltstone, fresh	3% cg asp		50	w	69	70	107287
70	71	kh	Siltstone, fresh	Tr asp		15	w	70	71	107288
71	72	kh	Siltstone, fresh	0.5% py		1	w	71	73	107289
72	73	kh	Siltstone, fresh	0.5% py		1	w	73	75	107290
73	74	kh	Siltstone, fresh	0.5% py		2	w	75	77	107291
74	75	lgr&kh	Siltstone, fresh	Tr py		0.5	w	77	79	107292
75	76	lgr	Siltstone, fresh	Tr py		1	w	79	81	107293
76	77	lgr	Siltstone, fresh			0		81	83	107294
77	78	lgr	Siltstone, fresh	Tr py		0.5	w	83	85	107295
78	79	lgr	Siltstone, fresh	Tr py		1	w	85	87	107296
79	80	lgr	Siltstone, fresh			0		87	89	107297
80	81	lgr	Siltstone, fresh	Tr py		0		89	91	107298
81	82	lgr	Siltstone, fresh			0.5	w			
82	83	lgr	Siltstone, fresh			0				
83	84	lgr	Siltstone, fresh	Tr py		0				
84	85	lgr	Siltstone, fresh	Tr py		5	w			
85	86	lgr	Siltstone, fresh	Tr py		0				
86	87	lgr	Siltstone, fresh	0.5% py		0				
87	88	lgr	Siltstone, fresh	0.5% py		0				
88	89	lgr	Siltstone, fresh	Tr py		0				
89	90	lgr	Siltstone, fresh			0				

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From	To	Colour	Description	Mineralisation	Alteration	% Qtz	Desc	From	To	Sample No
90	91	lgr	Siltstone, fresh	Tr py		0.5	w	91	93	107299
91	92	lgr	Siltstone, fresh	Tr py		0		93	95	107300
92	93	lgr	Siltstone, fresh	Tr py		0		95	97	107301
93	94	lgr	Siltstone, fresh	0.5% py		0		97	99	107302
94	95	lgr	Siltstone, fresh	Tr py		1	w	99	101	107303
95	96	lgr	Siltstone, fresh	Tr py		10	w	101	103	107304
96	97	lgr	Siltstone, fresh			0				
97	98	lgr	Siltstone, fresh			0				
98	99	lgr	Siltstone, fresh			0				
99	100	lgr	Siltstone, fresh			0				
100	101	lgr	Siltstone, fresh	0.5% py		3	w			
101	102	lgr	Siltstone, fresh			0				
102	103	lgr	Siltstone, fresh			0				
			EOH at 103m							
								Surveys		
								Depth	Azimuth	Inclination
								5	263	60.5
								30	264	60
								60	266	57.5
								90	266	55.5

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