GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE RECORD

HOLE NO. :	TYN008
STATE :	TAS

DLV. PRESS

PROJECT	BASIN LAKE
DESIGNED BY	M VICARY
LOGGED BY	
COMMENCED	27/6/1994
COMPLETED	20/7/1994

PURPOSE

To test for possible massive sulphide mineralization at an inferred exhalitive horizon at the contact between the Tyndall Group and the Anthony Road Andesites.

LOG SUMMARY 0-21.3 Opg : 21.3-205.8m Ea and Eav

GENERAL COMMENTS Hole failed to intersect Tyndall Group sediments and intersected a sequence of interbedded andesite lavas and andesitic volcaniclastic sediments, presumably stratigraphically lower than target horizon.

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS

LOCATION

NORTHING	5356136.12 *
EASTING	381269.7 *
R.L.	517.741 *
GRID	
LENGTH	205.8m

* Hole surveyed by GPS.

HOLE CONDITION

SIZE Hole Size	SIZE Depth
HQ	0m
NQ	53.4m
HQ	97.8m
NQ	155.3m

SIGNIFICANT CORE LOSS INTERVALS From	To	% Lost

POOR GROUND CONDITION ZONES From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

Ground conditions were generally poor. The rock showed intense limonite weathering and fracturing to at least 150.5 m. Below this level the rock became much fresher and drilling conditions improved. The hole has been cased with PVC piping.

SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY Depth	SURVEY Bearing	SURVEY Dip	INTERVAL From	INTERVAL To	INTERVAL Distance	VERTICAL D. Sin. Dip	VERTICAL R.L.	HORIZONTAL D. Cos. Dip	HORIZONTAL Prog. Total
0m	(270)	(68)							
55	268	68							
85	267	68.5							
160	269	68							
190	269	67.8							

SURVEY Depth	SURVEY Bearing	SURVEY Dip	INTERVAL From	INTERVAL To	INTERVAL Distance	VERTICAL D. Sin. Dip	VERTICAL R.L.	HORIZONTAL D. Cos. Dip	HORIZONTAL Prog. Total

RGC EXPLORATION PTY. LIMITED

PROJECT: Basin Lake

DRILL CORE RECOVERY & RQD

HOLE NUMBER: TYN 008 Page: 1

INTERVAL		RECOVERY		YES/NO		COMMENTS
From	To	m	ACTUAL REC	RQD	%	
0	3.1	3.1	2.12	1.52		
3.10	6.80	3.7	1.93	0.20		
6.80	9.4	2.6	1.31	0.77		
9.4	12.4	3.0	1.07	1.2		
12.4	15.4	3.0	1.55	0.0		
15.4	18.4	3.0	2.12	0.0		
18.4	21.4	3.0	1.88	0.0		
21.4	24.4	3.0	2.30	0.0		
24.4	26.6	2.2	1.59	0.0		
26.6	29.8	3.2	1.93	0.0		
29.8	32.2	2.4				
32.2	36.4	4.2				
36.4	39.4	3.0				
39.4	42.4	3.0				
42.4	45.4	3.0				
45.4	48.4	3.0				
48.4	51.4	3.0				
51.4	53.4	2.0				
53.4	55.8	2.4				
55.8	58.8	3.0	2.66	2.32		
58.8	61.8	3.0	2.91	2.56		
61.8	64.8	3.0	2.89	2.22		
64.8	67.8	3.0	2.73	2.33		
67.8	70.8	3.0	2.85	2.09		
70.8	73.8	3.0	2.68	2.02		
73.8	76.8	3.0	2.97	2.16		
76.8	79.8	3.0	2.18	1.28		
79.8	82.8	3.0	2.82	1.17		
82.8	85.8	3.0	1.65	0.16		
85.8	88.8	3.0	2.68	1.53		
88.8	91.8	3.0	1.87	0.40		
91.8	94.8	3.0	2.21	0.82		
94.8	97.8	3.0	1.85	0.61		
97.8						Trip 19 - Core in core barrel

INTERVAL		RECOVERY		YES/NO		COMMENTS
From	To	m	ACTUAL REC	RQD	%	
105.4	108.4	3.0	2.07	1.19		
108.4	111.4	3.0	1.10	0.0		
111.4	114.4	3.0	1.64	0.24		
114.4	117.4	3.0	1.49	0.22		
117.4	120.4	3.0	2.50	0.91		
120.4	122.7	2.3				
122.7	126.8	2.1				
124.8	126.2	3.0				
126.2	129.4	3.2				
129.4	132.4	3.0				
132.4	135.4	3.0				
135.4	138.4	3.0				
138.4	141.4	3.0				
141.4	144.4	3.0				
144.4	147.4	3.0				
147.4	150.4	3.0				
150.4	153.7	3.3				
153.7	155.3	2.4				
155.3	157.8	2.5				
157.8	160.8	3.0				
160.8	163.8	3.0				
163.8	166.8	3.0				
166.8	169.8	3.0				
169.8	172.8	3.0				
172.8	175.8	3.0				
175.8	178.8	3.0				
178.8	181.8					
181.8	184.8					
184.8	187.8					
187.8	190.8					
190.8	193.8					
193.8	196.8					
196.8	199.8					
199.8	202.8					
202.8	205.8	(EOH)				

INTERVAL		RECOVERY		YES/NO		COMMENTS
From	To	m	ACTUAL REC	RQD	%	

837082

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN 008

SHEET 1 OF 11

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:	BASIN LAKE
PROSPECT	:	TYNDALL
DATE	:	AUGUST 1994
LOGGED BY	:	MICHAEL VICARY

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION: SIL.	SER.	PY.	CARB.	CHL.	HEM.	EPID./Lum.	GEOLOGY NOTES	SUMMARY: FORMATION	ROCK	ALTERATION
0												0 – 15·4m Poorly consolidated Glacial Till. Predominantly bouldery deposit with light grey matrix of fine mud - sand. Clasts are mainly Owen derived pink sst and chert bearing granule - pebble conglomerates. Largest clasts up to about 1m.	Qpg	Till	
1				€Od											
2															
3															
4				€Od											
5															
6				€Od											
7															
8															
9				€Od											
10															
11				€Od											
12												12·40 – 15·40m abundant m gr sand (hole collapse) ± some rock fragments.			
13				€Od											
14												10% rock fragments = sericitic volcanic (€v)			
15				€v €v											
16												15·4 – 21·3 Limonitic mud ± clasts up to 15cm. Variety of clasts includes Owen derived clasts, chl fld-Qtz rich vfc sst (Comstock Tuff). The limonitic mud appears to be derived from a predominantly andesitic source.	Qpg	Till + clay	
17															
18															
19															
20															

REMARKS

Scale 1:1000

5 cm

837083

RGC EXPLORATION PTY LTD

DRILL HOLE No T4N008

SHEET 2 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	
DATE :	
LOGGED BY :	

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32) | ALTERATION: SIL. SER. PY. CARB. CHL. HM. EPID./LIM. | GEOLOGY NOTES | SUMMARY: FORMATION ROCK ALTERATION

20

21

← lower glacial contact gradational over about 30cm at about 21.3m.

21.3 – ≃ 26.2 m

Very weathered andesite derived clay. Pink feldspar phenos in lim-ser fine gr clay matrix floating (phyric) texture suggestive of Lava.

22 23 24 25 26

26.2 – 34.9 m

Lim-ser clay becoming more lithified after 29m. Texturally distinct to unit above, and has moderately developed Si. Grain supported feldspar frags in fine gr lim-ser-chl matrix – possibly andesitic derived volcaniclastic sandstone.

27 28 Si 60 29

30

31 32

CORE LOSS

33 34 Qtz

35

34.9 – 41.75m

Predominantly feldspar phyric andesitic Lava. Minor volcaniclastics. Maybe some ferromagnesium mineral phenocrysts present.

36 37 38 39

40

Qfg Till

Ea LAF

Eav VAM

Ea LAF

REMARKS

5 cm

837084

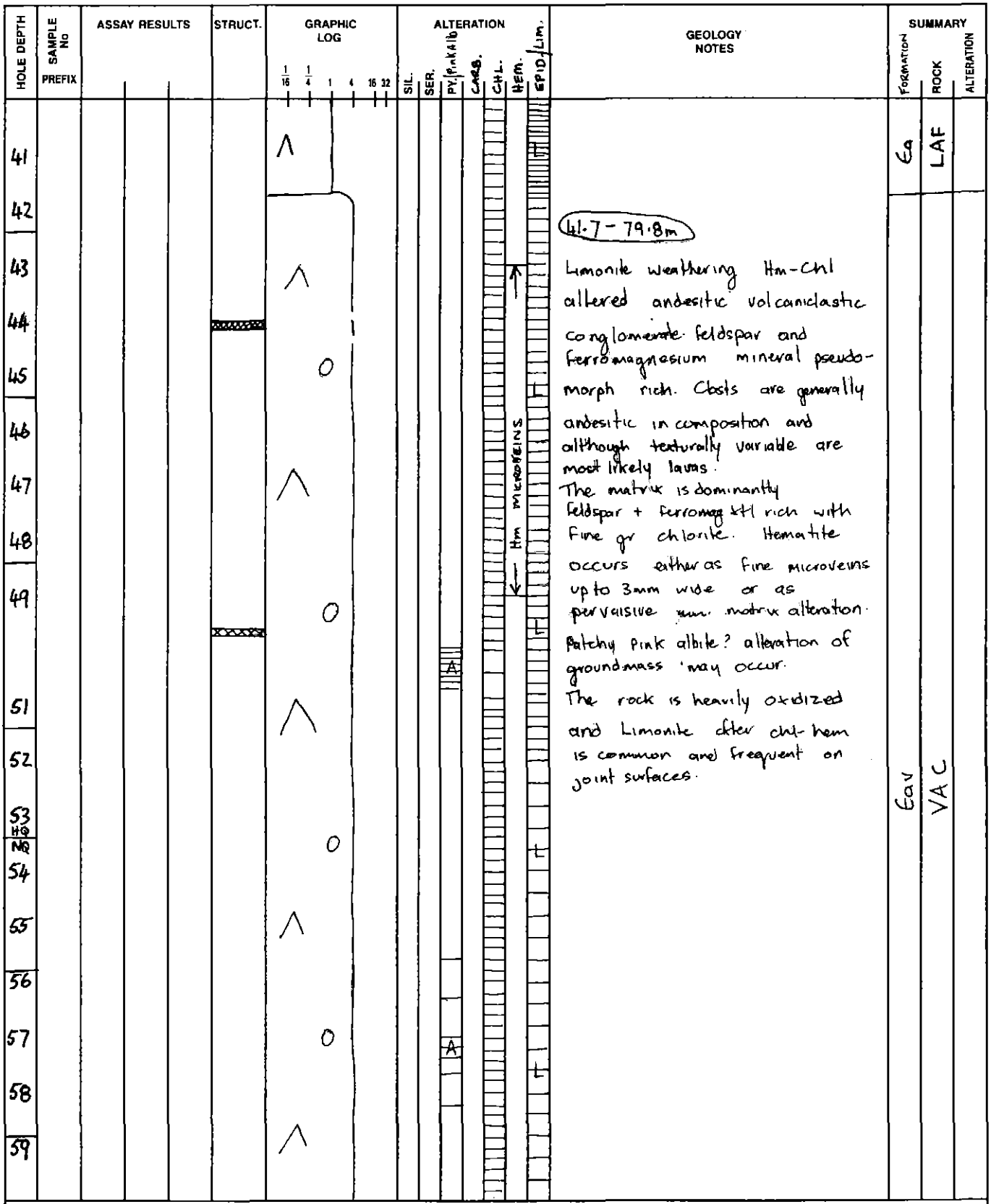
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN008

SHEET 3 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold



41.7 - 79.8m

Limonite weathering Hm-Chl altered andesitic volcaniclastic conglomerate. feldspar and ferromagnesium mineral pseudomorph rich. Clasts are generally andesitic in composition and although texturally variable are most likely lavas.
The matrix is dominantly feldspar + ferromag stl rich with fine gr chlorite. Hematite occurs either as fine microveins up to 3mm wide or as pervasive mm. matrix alteration. Patchy Pink albite? alteration of groundmass may occur.
The rock is heavily oxidized and Limonite after chl-hem is common and frequent on joint surfaces.

REMARKS

5 cm

837085

RGC EXPLORATION PTY LTD

DRILL HOLE No T4N008

SHEET 4 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX T374-	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL.	SER.	Mt. Ank Ab	CARB.	CHL.	Hem.	EPID.	GEOLOGY NOTES	SUMMARY FORMATION	ROCK	ALTERATION
60																	
61																	
62													L				
63																	
64							V		A								
65	01	179	19	120									L				
66	02	191	17	49													
67	03	284	19	59					A			MV					
68	04	332	15	49													
69	05	184	19	93									L				
70	06	238	21	92											Eav	VAC	
71	07	290	19	83													
72	08	107	14	42													
73	09	96	10	26					A			MV					
74	10	115	18	37								MV					
75													L				
76																	
77					50° 30°									minor hm-andesitic volcaniclastic F-M gr sandstones in interval 77-79.9 m.			
78																	
79																	
80																	

5 cm

REMARKS

Note: T37411 = 8m STD T3

Note: T 37402-T37407 and T 37410 > 0.010 g/T Au

T37410 = 0.385 g/T Au

827000

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN008

SHEET 5 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32) | ALTERATION: SIL., SER., PY., CARB., CHL., HEM., EPID./LUM.

GEOLOGY NOTES

79·80 - ≈940 m
Predominantly medium - coarse gr andesitic volcaniclastic sandstone

94·0 - 94·8 Broken zone (fault?)

94·8 - ≈96·0 undifferentiated andesitic volcaniclastic sediment.

≈96·0 - ≈99·7m Zone of highly broken core - possibly a fault zone. Bar 19 seems to be labelled incorrectly

SUMMARY: FORMATION | ROCK | ALTERATION

FORMATION	ROCK
Eav	VAM
FAULT	VA\
Eav	VA\
FAULT	VA\ ?

NQ
HQ

Bar 19 labelled incorrectly?

REMARKS

5 cm

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN008

SHEET 6 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32) | ALTERATION: SIL., SER., PY., CARB., CHL., Hem., BP1D., Lim. | GEOLOGY NOTES | SUMMARY: FORMATION, ROCK, ALTERATION

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

99·7 – ≈ 107·0

Limonitic – andesitic volcaniclastic sst | conglomerate. Same clasts up to 6 cm. Hematite microveins common.

FORMATION: Eav

ROCK: VAC

Possible faulted contact

107·0 – 115·2

strongly broken = cleaved andesitic derived rock. Not sure if feld-flm phyric Lava or volcaniclastic.

Possibly a faulted contact at ≈107m, which corresponds to the limit of limonite development.

STRONGLY BROKEN ZONE

FORMATION: Eav?

ROCK: VOA/

115·2 – 126·2

similar to above lithology but less broken.

FORMATION: Eav?

ROCK: VOA/

S1 60

S1 45

REMARKS

5 cm

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DRILL HOLE No TYN008

SHEET 7 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32) | ALTERATION: SIL. SER. PY. CARB. CHL. HEM. EPID./LIM. | GEOLOGY NOTES | SUMMARY: FORMATION ROCK ALTERATION

120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140

30 54

RELATIVELY BROKEN CORE

S1 45

FAULT

(~)

126.2 - ≈127.0 Major hole collapse

≈127.0m - 166.0m change in lithology in highly broken core zone. Now into relatively unaltered Hem-chl-lim altered feldspar phyric andesite lava

Rock becomes progressively fresher down hole.

Eau ?
FAULT
Ea

VOA /
LAF

8237088

REMARKS

5 cm

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN008

SHEET 8 OF 11

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	:
LOGGED BY	:

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32) | ALTERATION: SIL. SER. PY. CARB. CHL. HEM. EPID. LIM. | GEOLOGY NOTES | SUMMARY: FORMATION ROCK ALTERATION

140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160

F
F
20
20

Veins commonly leached.
Veins + limonitic
Vughy
Veins + microveins
Vughy
Veins + microveins common.

148·1 – 150·5m Zone of intense limonitic jointing and vughy cavities. Possibly associated with fault zone. Broken zones at 148·5 – 148·8m and 149·4 – 149·6 m.

150·5 – 166 m

Variably hm-chl altered feldspar phyric andesite lava. Perhaps slightly more hematitic than unit below 166m. If ferromag phenocrysts are present they have been obliterated by hm alteration.

Ea
Ea
FAULT
Ea
LAF

HQ
NQ

8622089

REMARKS

5 cm

RGC EXPLORATION PTY LTD

DRILL HOLE No T4N008

SHEET 9 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	

— Bedding
⌐ Cleavage
▲ Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX T374--	ASSAY RESULTS Cu	Pb	Zn	STRUCT.
160					
161					
162					
163					
164					
165	12	13	24	51	
166	13	115	28	54	
167					
168					
169					
170					
171	14	61	26	26	
172	15	<4	25	29	
173	16	48	24	31	
174	17	38	24	53	
175					
176					
177					
178					
179					
180					

GRAPHIC LOG: 1/16, 1/4, 1, 4, 16, 32

ALTERATION: SIL., SER., PY., CARB., CHL., HEM., EP ID.

Pink Hm Carbonate Veins Common

Veins and Microveins Common

PATCHY

GEOLOGY NOTES

166 – 205.8m

Variably Chl-Hm-(EP ID) altered feldspar-ferromagnesium mineral pseudomorph phyric andesite lava. Ferromags harder to detect in more hematite altered patches.

The andesite is generally massive and unclevaved. Minor secondary brecciation is associated with carbonate veining in places.

SUMMARY: FORMATION, ROCK, ALTERATION

Ea — LAF

Ea — LAFH

REMARKS

5 cm

8370 S0

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN008

SHEET 10 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	

— Bedding
⌐ Cleavage
— Foliation
~ Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

HOLE DEPTH	SAMPLE No PREFIX T376--	ASSAY RESULTS Cu	Pb	Zn	STRUCT.
185	18	<4	21	46	
186	19	<4	22	70	
193	20	<4	22	56	
198	21	<4	22	67	
199	22	<4	20	53	

GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)

ALTERATION: SIL. SER. PY. CARB. CHL. Hem. EPID.

SPECULAR HEMATITE VEINS COMMON IN THIS ZONE + MICROVEINS COMMON

GEOLOGY NOTES

181·2 - 199·8 m
Zone of Specular Hematite veins and microveins.
Specularite is associated with Quartz - chl - carbonate and epidote veining.

185·9 5cm Qz-Carb-Spec-Chl Vein
186·1 5cm Qz-chl-Epid-Spec Vein
186·5 4cm? Spec vein

194·0m Breccia forming Carbonate vein

198·6 6cm Qtz-chl-epid vein ± pink alb? selvage
199·05 - 199·25 Zone of Qtz-Carb -spec-Epid Veining

SUMMARY: FORMATION, ROCK, ALTERATION

Ga
LAFH

83705 1

REMARKS

5 cm

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN008

SHEET 11 OF 11

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION: SIL.	SER.	PY.	CARB.	CHL.	HEM.	EPID.	GEOLOGY NOTES	SUMMARY: FORMATION	ROCK	ALTERATION
200															
201								VEINS + MICROVEINS COMMON →	PATCHY		V				
202															
203															
204															
205															
EOH = 205.80m															

REMARKS

5 cm