323077

RGC EXPLORATION
DRILL HOLE RECORD

HOLE NUMBER	TYN011	**DRILLED BY**	D.D. TAS
PROJECT	BASIN LAKE	**NORTHING**	5353347
PROSPECT	TYNDALL	**EASTING**	381001
DESIGNED BY	MV+SH	**RL**	581
LOGGED BY	S.C	**INCLINATION**	-70
COMMENCED		**AZIMUTH**	078 (MAG) 090 AM
FINISHED		**EOH**	482.9

PURPOSE

To Test for Massive Sulphide Mineralisation
at the Tyndall Group - Anthony Road Andesite
contact adjacent to the Great Lyell fault.

SURVEY DATA

DEPTH	INC.	AZL	DEPTH	INC.	AZL	DEPTH	INC.	AZL
0	-70	090	210	-71	090	420	-53.0	087
30	-70	090	240	-70	089	450	-52.0	088
60	-70	090	270	-69.5	090	480	-51.0	089.5
90	-70	090	300	-68.7	089	489.2	-50.8	090
120	-71	090	330	-67.2	087			
150	-72	090	360	-58.8	086			
180	-71	090	390	-54.0	084.5			

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS

323078

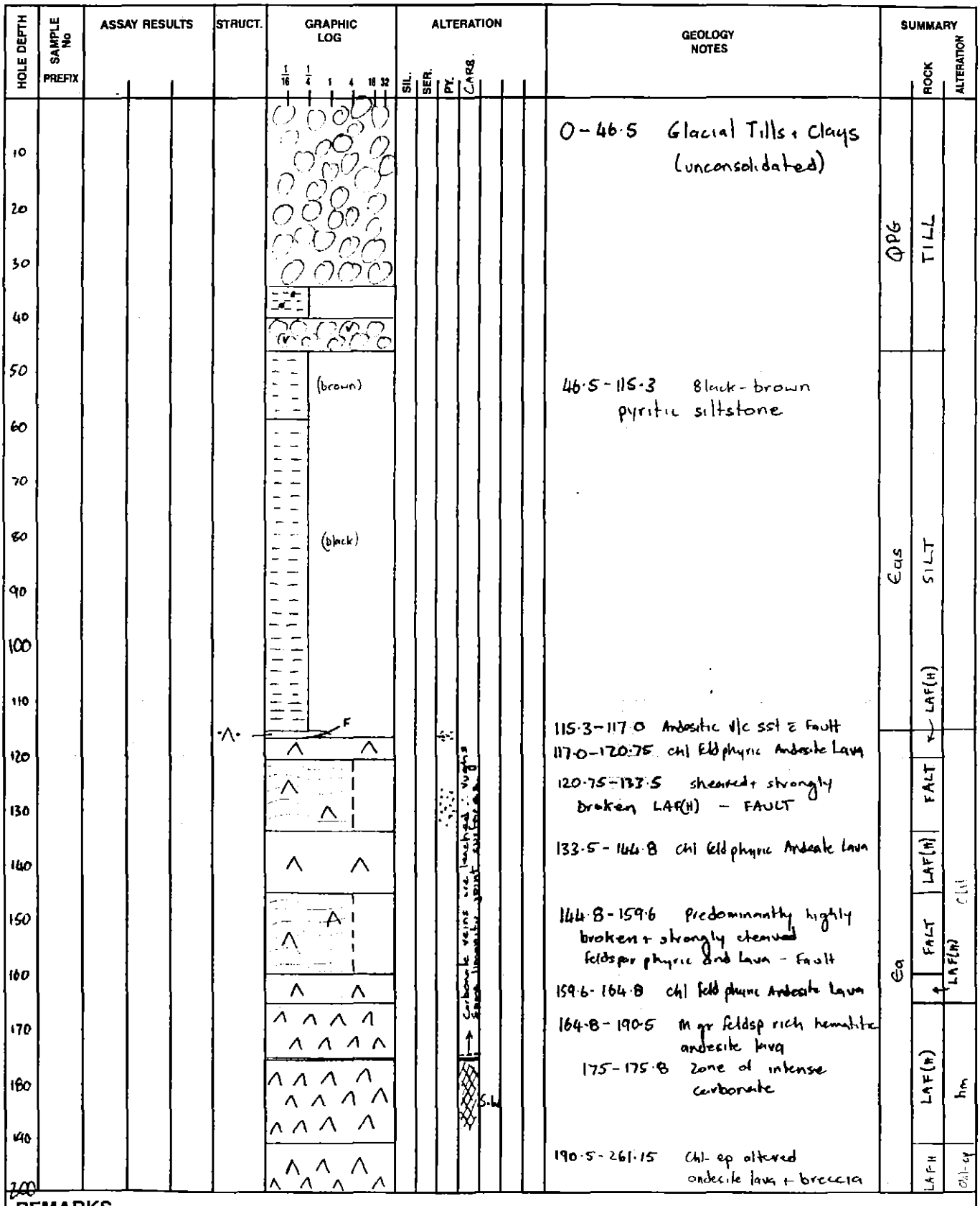
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011 (SUMMARY)

SHEET 1 OF 3

PROJECT	: BASIN LAKE EL 14/93
PROSPECT	: TYNDALL
DATE	: JULY / AUGUST 1995
LOGGED BY	: SUE CORLETT, MODIFIED MV

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



REMARKS

5 cm

1:1000

323079

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011 (SUMMARY)

SHEET 2 OF 3

PROJECT	: BASIN LAKE EL 10/93
PROSPECT	: TYNDALL
DATE	: JULY – AUGUST 1995
LOGGED BY	: SUE CORLETT, MODIFIED MV

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.)

	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
		Ea LAFH	Chl - epid
261.15 – 282.0	M-C gr andesitic Volcaniclastic sandstone	Ev VA_M	sil. alb
282.0 – 282.45	Broken Puppy Zone Fault		FA
282.45 – 292.5	f-m gr andesitic Volcaniclastic sandstone	VA_F	Chl
292.5 – 334.6	Qtz-fld phyric rhyolite	ETl LR?_	
334.6 – 390.8	M-f gr Qtz phyric rhyolitic Volcaniclastic sandstone	ETs VR?m	
390.8 – 391.7	FAULT		FA
391.7 – 395.2	f gr Volcaniclastic sst	ETs VR_F	
395.2 – 400.3	Qtz-fld phyre rhyolitic breccia	ETl LRDB	

REMARKS

5 cm

323080

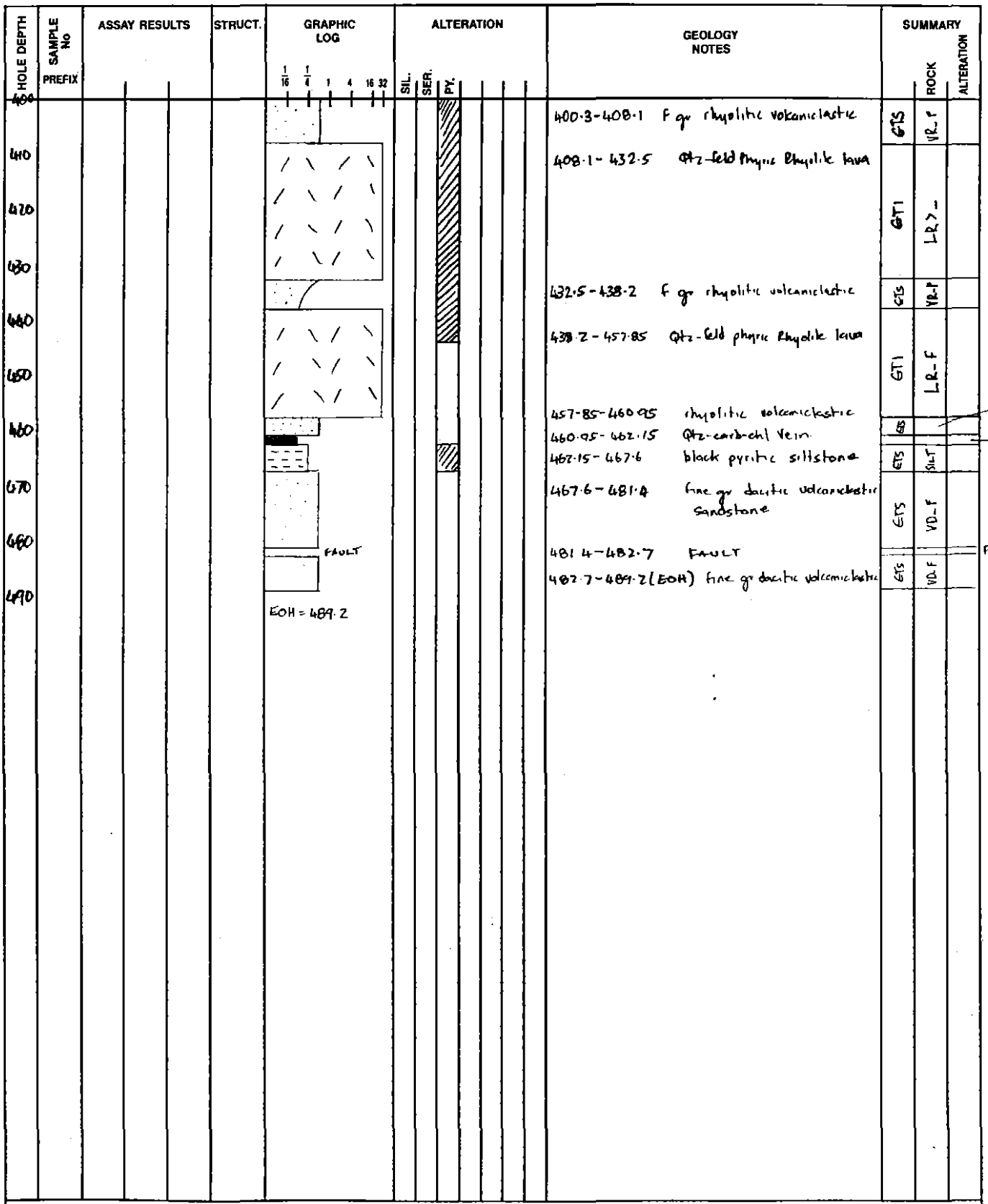
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 3 OF 3

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

PROJECT	:	BASIN LAKE EL 1493
PROSPECT	:	TYNDALL
DATE	:	JULY-AUGUST 1995
LOGGED BY	:	SUE GOZLETT, MODIFIED MV



REMARKS

5 cm

323081

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO11

SHEET 1 OF 25

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

PROJECT	: BASIN LAKE (14/93)
PROSPECT	: TYNDALL
DATE	: JULY/AUGUST 1995
LOGGED BY	: SUE CORLETT.

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION: SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY: FM	ROCK	ALTERATION
0								0m - 34.5m GLACIALS • largely unconsolidated glacial conglomerate • dominant clasts are siliclastic derived cobbles and boulders (approximately 80%. Cambrian volcanic clasts) • hematitic sandy matrix • 30% core loss.	QPG	Glacial Till	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

REMARKS

323082

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 2 OF 25

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

- 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.)	GEOLOGY NOTES	SUMMARY (Log, ROCK, ALTERATION)
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							Qpg Alluvial Fill
30							
31							
32							
33							
34							
35						34.5 - 39.9m · unconsolidated clays white to weakly limonitic · fine grained sand component <40%. · approx. 30% recovery ? fault pug.	Qpg clays
36							
37							
38							
39							
40							

REMARKS

323083

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 3 OF 25

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	:
LOGGED BY	: S.CORLETT

- 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.	CARBONATE	GEOLOGY NOTES	SUMMARY: ROCK	ALTERATION
46									39.9 – 46.5m largely unconsolidated glacial conglomerate · andesitic clasts (feldspar phyric, weakly chloritised) comprise 15% · dominated by subclastic derived cobbles and pebbles · fine hematitic sandy matrix · weak limonite staining	QFG Glacial Till 1-2	
47									46.5 – 58.5m fine grained pale coloured siltstone · limonite staining poorly consolidated → oxidised interface between bedrock & glacials		
59									58.5 – 115.3m · black carbonaceous siltstone		

REMARKS

323084

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 4 OF 25

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

- 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.)	GEOLOGY NOTES	SUMMARY (ROCK, ALTERATION)
60						black pyritic siltstone <1% pyrite RQD ~ 3%	
61			S_1 55				
62			S_0 60				
63			S_1 30				
64							
65			S_0 35				
66							
67			S_0 65				
68							
69			S_0 40				
70							
71							
72							
73							
74			S_0 45				
75							
76							
77			S_1 30				
78							
79			S_0 50				
80							

REMARKS

323085

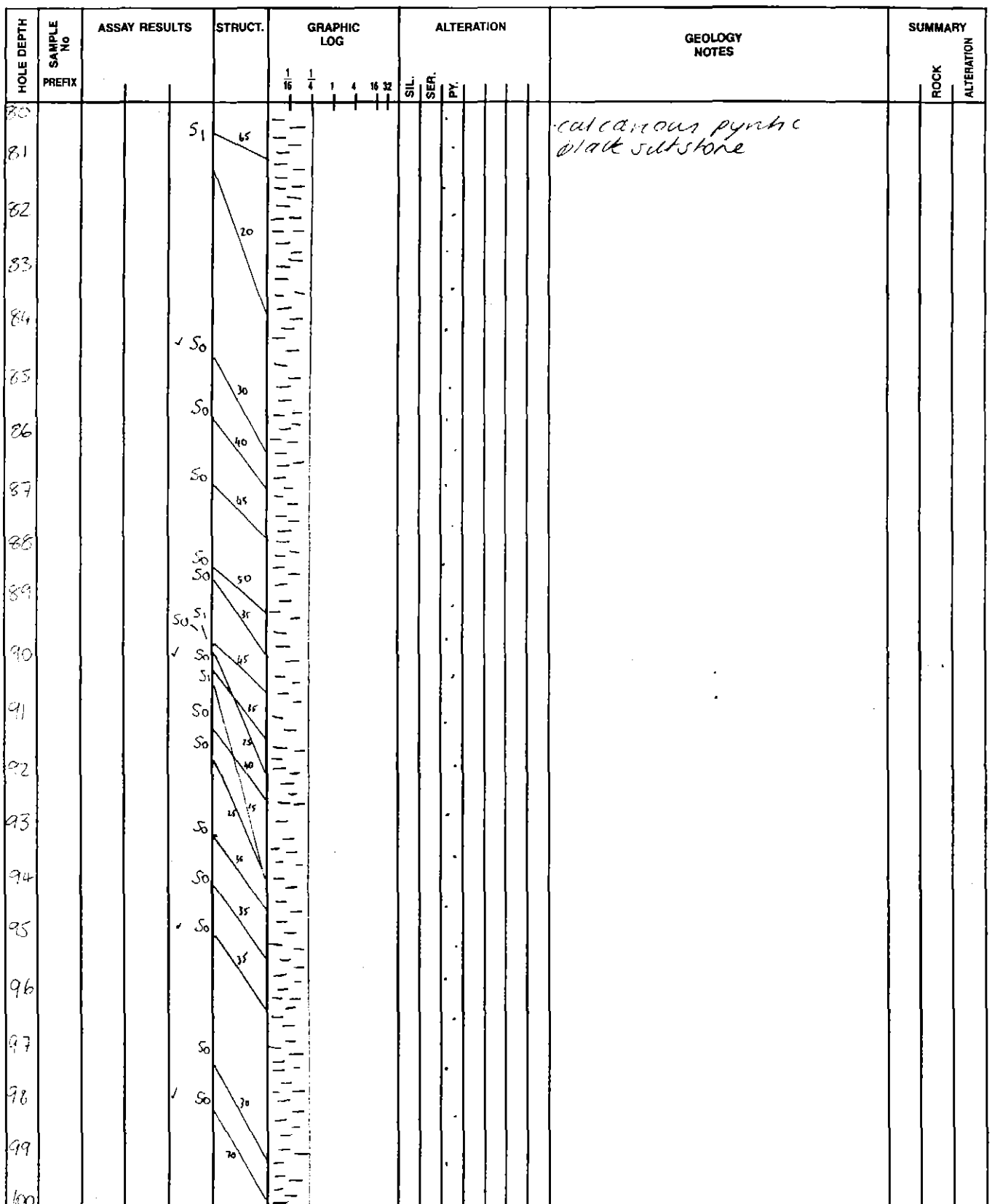
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 5 OF 25

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

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



REMARKS

323086

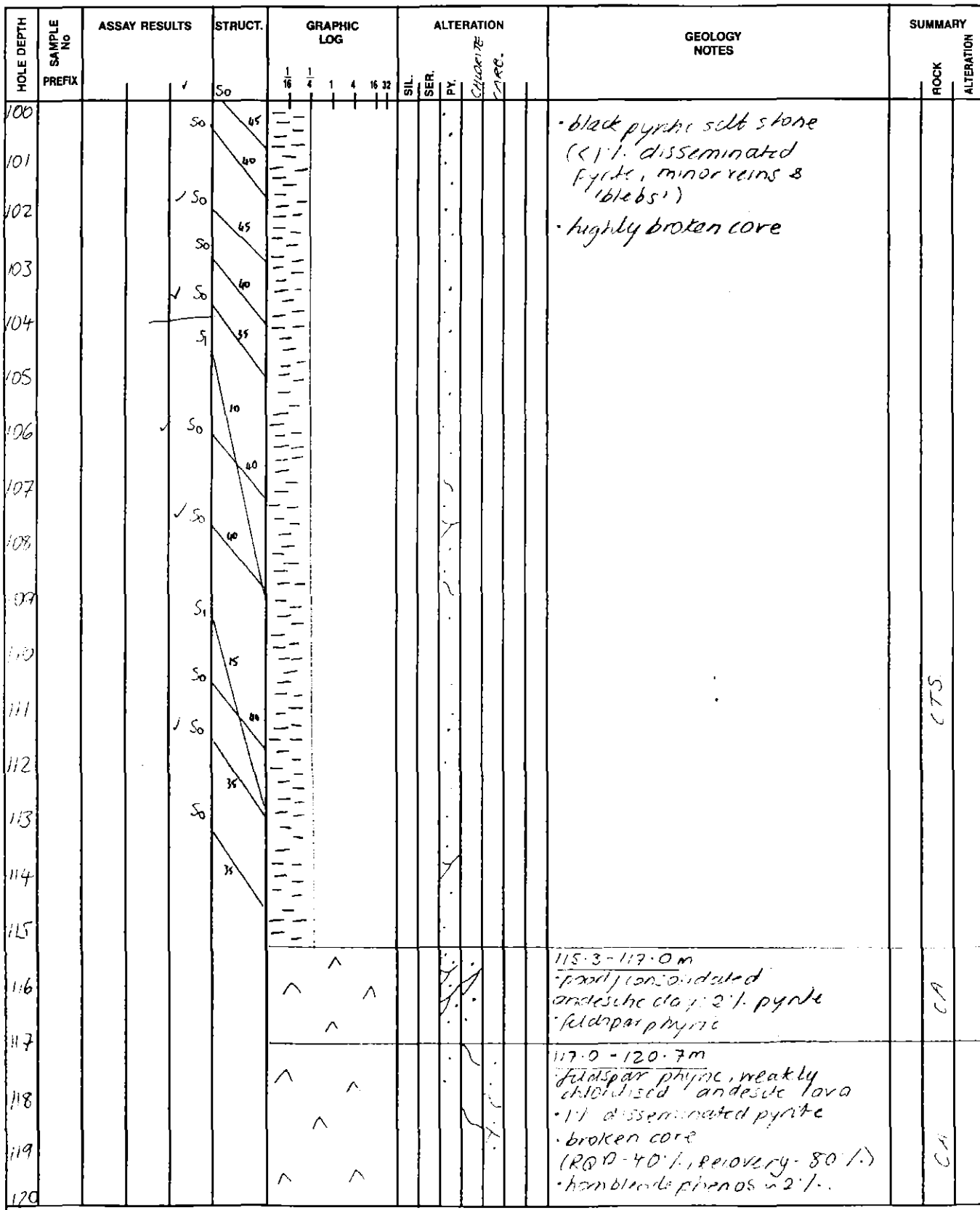
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 6 OF 25

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	:
LOGGED BY	: SUE CORLETT.

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



GEOLOGY NOTES

- black pyritic silt stone (<1% disseminated pyrite, minor veins & 'blebs')
- highly broken core

115.3 - 117.0m
- poorly consolidated andesitic clay; 2% pyrite
- feldspar phyric

117.0 - 120.7m
- feldspar phyric, weakly chloritised andesite lava
- 1% disseminated pyrite
- broken core (RQD - 40%, recovery - 80%)
- hornblende phenos ~ 2%.

SUMMARY

ROCK	ALTERATION
CTS	
CA	
CA	

REMARKS

323087

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO11

SHEET 7 OF 25

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

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

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION: SIL.	SER.	PY.	CHL C	CARB C	GEOLOGY NOTES	SUMMARY: ROCK	ALTERATION
120												
121										120.7 – 130.75 · puggy green/grey andesite derived clay · moderate chloritisation, weak sericitisation (1-2% pyrite – disseminated & in veins) · poorly consolidated.	CA	S2 C83 PY1
122												
123												
124												
125												
126												
127												
128												
129												
130												
131										130.75 – 160.40 - feldspar phyric andesite with 2-5% zoned hornblende phenocrysts (average 2mm diameter) - 2% siderite on 'birbs' - broken core → dissolution of carbonate from veins and fractures - 1% pyrite veins and dissemination - epidote rims on carbonate veins.	CA	S2 C82 PY1
132												
133												
134												
135												
136												
137												
138												
139												
140												

REMARKS

323088

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 8 OF 25

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

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. CHL. CARB. HEMATITE	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
140						feldspar phyric andesite weakly chloritised & hematitic - broken ground surrounded by pyrite relatively unconsolidated andesitic clay	CA	PY TR C2 HEM 3
141								
142								
143								
144								
145								
146								
147								
148								
149								
150								
151								
152								
153								
154								
155								
156								
157								
158								
159								
160								

REMARKS

323089

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 9 OF 25

PROJECT	BASIN LAKE
PROSPECT	TYNDALL
DATE	
LOGGED BY	SUE CORLETT

— 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 (1/8 1/4 1 4 16 32)	ALTERATION (SIL. SER. PY. CHL CARB HEM EPIDOTE)	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
160						- hornblende rich, feldspar phyric andesite - grey/green groundmass - carbonate / epidote and kspar veins - wk hematitic alteration	CA	1/2
161								
162								
163								
164								
165						164.8 - 165.3		
166						• Kspar altered feldspar phyric, hornblende rich andesite • pervasive carbonate - sericite veins and dilational epidote veins • hornblende remain unaltered.		
167								
168								
169								
170						165.3 - 175.0m • strongly hematitic feldspar phyric andesite; carbonate altered - dissolution of carbonate (limonite stained) has resulted in rubbly, friable ground - <1% finely disseminated pyrite associated with chlorite - <1% calcite veins	CA	1 4 CB 3
171								
172								
173								
174								
175								
176						175.175.8 - hematitic 760% carbonate lithic		
177						175.8 - 185.05 • volcaniclastic sandstone; feldspar and hornblende crystal rich (~60%) • coarse grained basal medium grained lags to graded beddings • carbonate veins		
178								
179								
180								

REMARKS
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323090

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN 011

SHEET 10 OF 25

Symbol	Meaning	Symbol	Meaning
——	Bedding	(stippled)	Disseminated
⊔	Cleavage	(solid)	Massive
▲	Foliation	(hatched)	Pervasive
∿∿	Fault, Shear	(line)	Narrow vein
(triangles)	Breccia	*	Visible gold
(cross-hatched)	Broken core		

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

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	SIL.	SER.	PY.	HEM.	CARB.	CHLORITE	EPIDOTE	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
180												- hematitic, carbonate altered andesitic sandstone		
181												- feldspar and hornblende rich, subrounded white clasts of sandstone		
182														
183												- coarse to medium grained		
184												- trace pyrite		
185												indistinct contact 185·05 – 190·50m		
186												- andesitic autobreccia (?hyaloclastite); chloritised and weakly hematite altered clasts in moderately hematitic matrix		
187														
188												- no evidence of resedimentation		
189														
190												- 1% epidote veins		
191												190·5 – 196·9. hornblende rich, feldspar phyric andesite (hornblende phenocrysts up to 1cm long)		
192														
193												- carbonate + epidote + sericite veins < 1%.		
194												- hematite + qtz veins < 1%.		
195														
196														
197												196·9 – 198·2 > 20% epidote veins with hematitic rims; autobrecciated andesite		
198												198·2 – 206·2m		
199												- autobrecciated feldspar phyric andesite		
200												- ?hyaloclastite →		

REMARKS

323091

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 11 OF 25

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	:
LOGGED BY	: JVE CORLETT.

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.	HEM	CHL	CB	EPIDOTE	GEOLOGY NOTES	SUMMARY: ROCK	SUMMARY: ALTERATION
200												Jigsaw ft' brecciation with curviplanar clast boundaries (sub angular)		
201												• 1% quartz-sericite veins		
202												• <1% quartz-hem veins		
203												• 1% epidote veins		
204														
205														
206														
207												206.2 - 217.5 m		
208												feldspar phyric andesite lava 5% hornblende crystals in a fine grained weakly chlorite/hematite altered green/grey ground mass		
209														
210														
211														
212														
213														
214														
215														
216														
217														
218												217.5m - 222.1m		
219												- feldspar phyric hornblende rich andesitic auto breccia (? hyaloclastite);		
220												1% sericite - epidote diagonal veins		

REMARKS

323092

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 12 OF 25

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	:
LOGGED BY	: S. CORLETT

- 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. HEM CARB CHL EPIDOTE | GEOLOGY NOTES | SUMMARY: ROCK ALTERATION

220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240

- andesitic hyaloclastite
- moderately hematitic clasts.

222.1 – 242.3 m

- feldspar phyric andesite
- relatively coherent lava (2-5% hornblende phenocrysts)
- 7% epidote veins with blurred boundaries with hematitic alteration

- carbonate-epidote veins
- chlorite veins
- chlorite-hematite-quartz veins

REMARKS

323093

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN 011

SHEET 13 OF 25

PROJECT	BASIN LAKE
PROSPECT	TYNDALL
DATE	
LOGGED BY	S. ORLETT

- 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., CB, EP, HM, CHL)	GEOLOGY NOTES	SUMMARY (ROCK, ALTERATION)
240							
241							
242							
243						242.3 – 255.2 m • feldspar phyric andesitic hyaloclastite.	
244							
245							
246							
247							
248							
249							
250							
251							
252							
253							
254							
255						255.2 – 255.5m	
				VEIN.	/// ///	Quartz+pyrite+sericite vein	
256						255.5 – 261.15 m • feldspar phyric andesitic hyaloclastite	
257							
258							
259							
260							

REMARKS

323094

RGC EXPLORATION PTY LTD

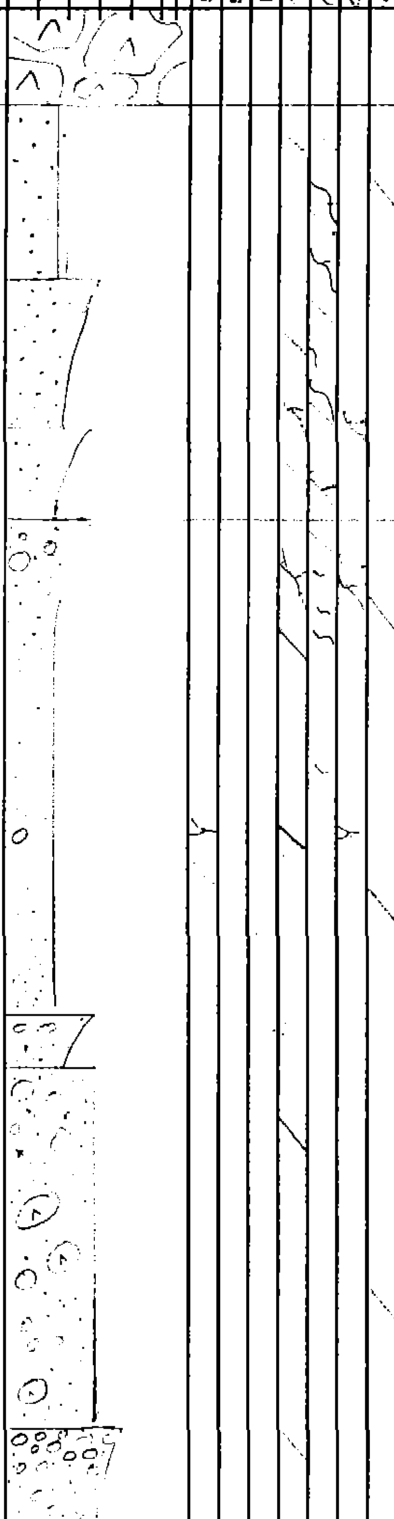
DRILL HOLE No TYN011

SHEET 14 OF 25

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

Symbol	Legend	Symbol	Legend
——	Bedding	(stippled box)	Disseminated
⊔	Cleavage	(solid box)	Massive
—▲—	Foliation	(hatched box)	Pervasive
~~	Fault, Shear	(line)	Narrow vein
(triangles)	Breccia	*	Visible gold
(cross-hatched box)	Broken core		

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION (SIL., SER., PY., HEM, CARB, EPI, CHL)	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
260								
261								
262						261·15m - 266·7m - medium grained ... sandstone (small ... clasts) - weak ... alteration in veins, patches (inhomogenous) - ... quartz - chlorite veins - hematite epidote veins - trace pyrite - ... < 5% ...		
263–266								
267						266·7 - 282·0m • feldspar ... hornblende ... sub... ... in fine grained siltstone. • ... hematite/epidote vein • ... veins • 268·55m: quartz, sericite, hematite, epidote chlorite vein • 269·9m - quartz calcite chalcopyrite vein • 271m - rounded hematite clast		
268–273								
274						• abundant clasts (hematite ... ± hornblende pyritic andesite), weakly chloritised sandsized matrix • hornblende crystals in matrix; • clasts are sub rounded to well rounded, size range from 0·1 - 8·0cm. • poorly sorted.		
275–280								



REMARKS

323095

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 15 **OF** 25

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	S. CORLETT

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

HOLE DEPTH	SAMPLE No (PREFIX T379..)	Cu	Pb	Zn	STRUCT.
280					
282					
	17	195	576	653	
	18	223	466	686	
284	19	75	102	477	
	21	37	53	152	
286	22	42	98	264	
	23	53	220	332	
288	24	60	120	276	
	25	47	109	334	
290	26	60	43	83	
	27	60	45	91	
292	28	56	74	129	
	29	55	67	64 S1	
294	30	54	53	60	40
	31	50	57	77	
296	32	52	43	64	
	33	51	44	73 S1	
298	34	65	150	289	55
	35	52	49	101	

ALTERATION columns: SIL. | SER. | PY. | CHL | CO | HEM | EPIDOTE

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

SUMMARY: ROCK | ALTERATION

GEOLOGY NOTES

282-282.45 · unconsolidated pug.

282.45 -
- fine to medium grained andesitic sandstone
- quartz & feldspar phyric.
- 2% pyrite, disseminated in clasts and matrix
- weak carbonate alteration

- brecciated "jigsaw fit" textures, carbonate matrix to breccia, angular clasts (hydrothermal?)
- quartz phyric rhyolite clasts
- chert clasts with pyrite halos

sharp contact

292.5 -
- angular rhyolitic clasts, commonly with pyritic halos.
- 1% carbonate veins
- abundant quartz phenocrysts

rhyolite breccia
- maybe resedimented

REMARKS (T37920 = STD BMT1)

RGC EXPLORATION PTY LTD

323096

DRILL HOLE No TIN011

SHEET 16 OF 25

PROJECT	BASIN LAKE
PROSPECT	TINDALL
DATE	8/95
LOGGED BY	SCORETT

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

HOLE DEPTH	SAMPLE No PREFIX T3794..	Cu	Pb	Zn	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION SIL.	SER.	PY.	CPY	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
300	36	43	48	52							· trace fault site · 5% pyrite		
				S1	45								
	37	50	49	66									
302	38	53	59	90									
	39	54	66	115							? resedimented		
304	41	64	48	104							304.8 - 305.4 10% pyrite		
				S1	55								
	42	91	41	168									
306	43	53	40	113							305.4 - 307.25 - hydrothermal breccia in of ? resedimented hyaloclastic → polymict clasts of quartz phyric rhyolite and		
	44	27	33	78									
308	45	25	50	65									
	46	20	80	76							2% pyrite		
				S1	45						310 - 311.2		
310	47	19	142	95							5-10% pyrite - locally [illegible] silicic with remnant hornblende phenocrysts.		
	48	66	107	325							311.8 - 313.6 strong contact · quartz phyric rhyolite quartz phenos average 0.4mm diam		
312	49	70	112	855									
	50	63	54	270									
314				S1	65						313.6 - 316.9m - intense alteration of breccia unit		
	51	64	53	222									
	52	65	327	538									
316	53	90	138	2042							315.3m · 5 to 10% pyrite.		
	54	117	173	69							10% pyrite as veins & dissemination		
318	55	105	199	961							~1% disseminated cpy + above (also in quartz veins)		
	56	97	90	280									

REMARKS

(T37940 = STD BM T2)

323097

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 17 OF 25

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	
LOGGED BY :	S. CORLETT

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

HOLE DEPTH	SAMPLE No PREFIX T379--	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION SIL.	SER.	PY.	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
320	57	69	44	150						moderately silicified grey pyritic quartz phyric rhyolite		
	58	51	41	75						- quartz phenocrysts average 0.2 - 0.5cm		
322	59	54	37	125						- 5-10% disseminated fine grained pyrite		
	61	246	498	840						- <1% chalcopyrite		
324	62	51	70	95						320.0 - 328.2m		
	63	51	51	176						- sparse but persistent quartz phenocrysts		
326	64	47	45	194	35 / 5					- 2-5% pyrite		
	65	87	62	168								
328	66	44	141	1034								
	67	31	57	551								
330	68	20	57	47								
	69	446	138	964								
332	70	2972	154	92						- braided base - "jigsaw fit" clasts with cumplanar clast boundaries - rhyolo clastic.		
	71	496	78	73								
334	72	89	79	319	40 / 5					indistinct contact		
	73	66	79	156						334.6 -		
336	74	61	52	128						- indistinct contact - abundant quartz phenos - andesitic fine grained sandstone. occasionally interbedded with silty units		
	75	47	79	73						- rare feldspar phyric subrounded (andesitic) clasts		
338	76	37	80	55						- 2-5% pyrite, disseminated and in veins - wacky gooded appearance		
	77	55	83	65								

REMARKS (T 37960 = STD BM T3)

* T37952 0.015 g/t Au T37955 0.016 g/t Au

T37961 0.014 g/t Au T37971 0.018 g/t Au

323098

RGC EXPLORATION PTY LTD

DRILL HOLE No ZYNO11

SHEET 18 OF 25

Symbol	Meaning	Symbol	Meaning
——	Bedding	(dotted box)	Disseminated
⊔	Cleavage	(solid box)	Massive
—▲—	Foliation	(hatched box)	Pervasive
∿∿	Fault, Shear	(vein symbol)	Narrow vein
(triangles)	Breccia	*	Visible gold
(cross-hatched)	Broken core		

PROJECT :	BASIN LAKE
PROSPECT :	ZYNO11
DATE :	8/95
LOGGED BY :	S CORLETT

HOLE DEPTH	SAMPLE No PREFIX TSM--	Cu	Pb	Zn	STRUCT.	GEOLOGY NOTES
340	78	45	59	49	S 65	graded beds - medium sandstone to siltstone
342	79	42	73	78		Clasts comprise siltstone and chert
	81	44	79	48		- 2-5% disseminated pyrite
344	82	46	66	49		
	83	59	73	57		
346	84	46	67	39		
	85	41	92	95		
348	86	43	58	48		
	87	42	53	42		
350	88	47	66	44		
	89	50	66	46		
352	90	42	57	47		
	91	71	88	53	S 40	
354	92	59	85	50		
	93	47	43	36		
356	94	73	62	72		
	95	46	69	58		
358	96	49	67	110		
	97	47	72	82		
360	98	57	98	93		

GRAPHIC LOG: 1/16, 1/4, 1, 4, 16, 32 — ALTERATION: SIL., SER., PY. — SUMMARY: ROCK, ALTERATION

REMARKS (T37980 = STD BM T1)

323099

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNDALL 011

SHEET 19 OF 25

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	8/95
LOGGED BY :	S. CORBETT

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

HOLE DEPTH	SAMPLE No (PREFIX T376..)	Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
360	(T37999)	60	134	70						
	09	60	124	110	S1 50					
362	10	88	73	206						
	11	113	92	416						
364	12	90	118	567						
	13	65	100	84						
366	14	44	44	114						
	15	48	79	119						
368	16	57	178	348						
	17	53	104	662	S1 40					
370	18	307	401	1467						
	19	83	198	1649						
372	21	97	569	2934						
	22	43	544	1829						
374	23	41	116	146						
	24	42	50	189						
376	25	46	69	264						
	26	56	127	1803						
378	27	51	305	1440						
	28	57	331	903						

REMARKS (T38000 = STD BM13)
(T37620 = STD BM11)

323100

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 20 OF 25

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: 8/95
LOGGED BY	: S. CORLETT

Legend: —— 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.
380	29	94	372	594	S1 50
382	30	127	242	578	
	31	68	1262	1758	
384	32	67	260	2288	
	33	111	1280	1770	S1 55
	34	117	448	1182	
386	35	282	113	253	
	36	714	31	66	
388	37	122	34	11	
	38	181	36	24	
390	39	106	124	44	
	41	100	272	82	
392	42	79	85	252	
	43	134	85	162	flt
394	44	404	57	567	
	45	164	120	565	
396	46	360	132	102	
	47	127	54	374	S1 65
398	48	124	79	297	
	49	193	103	403	

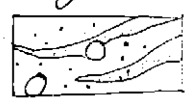
GRAPHIC LOG: 1/16, 1/4, 1, 4, 16, 32 — flt

ALTERATION: SIL. | SER. | PY. | Chl | Cb

SUMMARY: ROCK | ALTERATION

GEOLOGY NOTES

381.4 - fine grained volcaniclastic sandstone
- fine grained pyrite lenses and coarse pyrite grains



382.9 →
5% pyrite, medium grained sandstone
pseudo clastic textures imposed by sulphide - sheet silicate deformation
10% pyrite

386.4m →
8% pyrite, weakly silicified medium grained sandstone
10% pyrite.

390.7 - 390.8.
quartz, carbonate, chlorite and pyrite vein

390.8 - 391.7m
broken core, puggy fault zone with 80% core loss

391.7 ⇒
fine grained silty sandstone
- moderate silicification
<8% pyrite as veins, lenses & disseminations
8% pyrite - rare qtz phenos

396.3 →
quartz phyric rhyolite hyaloclastite (monomict) - ? resedimented

REMARKS (T37640 = STD BM T2)

323101

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 21 OF 25

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

PROJECT	: BASIN LAKE
PROSPECT	: TANOAK
DATE	: 8/95
LOGGED BY	: S.CORLETT.

HOLE DEPTH	SAMPLE No PREFIX T576--	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION SIL.	SER.	PY	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
400	50	382	35	487						400.3 - 408.1 medium grained rock and clasts siltstone?		
	51	88	16	206						10% pyrite		
402	52	210	36	235								
	53	136	19	311						10-15% pyrite clasts of black pyritic siltstone - some clasts appears to be replaced by pyrite		
404	54	218	17	146	65							
	55	160	16	122								
406	56	226	11	233								
	57	122	8	83						10-15% pyrite		
408	58	195	5	30						408.1 - 432.85m quartz-phyric rhyolite - coarsely disseminated pyrite + pyrite lenses		
	59	98	6	10	45							
410	61	65	<5	<4						- fairly phenocrystic ? 1% average diameter 0.5cm		
	62	34	5	<4						- inhomogeneous silicification		
412	63	144	8	20						5% pyrite		
	64	99	10	92								
414	65	96	10	68								
	66	46	13	11	55							
416	67	296	18	47								
	68	85	18	140								
418	69	81	21	462								
	70	122	16	282								

REMARKS (T37660 = STD BM T3)

323102

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 22 OF 25

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: 14/8/95
LOGGED BY	: S. ORLETT

— 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.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION SIL.	SER.	PY.	CHL	CB	PAL.?	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
420	71	160	52	325									· quartz phyric rhyolite - moderate silicification coarse quartz phenocrysts (average 0.2 - 0.5cm) - 5% pyrite disseminated and in fracs		
	72	253	8	468	80										
422	73	64	163	83											
	74	36	88	31											
424	75	36	187	59											
	76	31	21	10											
426	77	36	37	6											
	78	52	50	78	55										
428	79	141	18	76									? calcite vein, soft fluffy pale green (grey)		
	81	212	42	148											
430	82	21	13	11									· locally quartz phenocrysts exceed 0.5cm in diameter		
	83	160	27	148											
432	84	148	57	298									432.85 - 434.4 fine grained rhyolitic siltstone; >20% pyrite (fine grained silty bands)		
	85	159	75	195											
434	86	300	18	134									434.4 - 436.2 fine grained silty pyritic sediments; moderate chloritisation. - ?graded		
	87	179	12	103											
436	88	145	10	130											
	89	137	29	148	50										
438	90	102	48	104									436.2 - quartz phyric brecciated rhyolite		
	91	62	25	100											

REMARKS (T37680 = STD 8M T1)

323103

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN 011

SHEET 23 OF 25

PROJECT	: BASIN LAKE
PROSPECT	: TINDALL
DATE	: 14/8/95
LOGGED BY	: S. CORLETT

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

HOLE DEPTH	SAMPLE No PREFIX 737--	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION SIL.	SER.	PY.	CHL	CB	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
440														
	692	54	34	118										
	693	60	25	138										
442	694	77	126	151								-quartz phyric chloritic rhyolite - quartz phenos average <0.2cm - 1/4 q-chlorite veins		
	695	55	22	126										
444	696	10	<5	96										
	697	28	<5	91								- occasional pyrite lenses & trace disseminated		
446	698	77	14	109										
	699	41	<5	102										
448	701	90	10	79										
	702	62	7	71	50									
450	703	41	<5	70										
	704	55	<5	81										
452	705	51	<5	65										
	706	55	<5	58										
454	707	52	<5	59										
	708	44	<5	65										
456	709	53	17	60	55									
	710	86	15	95										
458	711	95	60	68		VN						457.85 sedimentary contact - polymict volcaniclastic (quartz phyric clasts, [illegible])		
	712	34	21	54								459.4 - 459.6 chlorite - quartz vein		

REMARKS (T37700 = STD Bm 12)

323104

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO11

SHEET 24 OF 25

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: 14/8
LOGGED BY	: SCORLETT

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

HOLE DEPTH	SAMPLE No PREFIX T377–	Cu	Pb	Zn	STRUCT.	GRAPHIC LOG (1/16, 1/4, 1, 4, 16, 32)	ALTERATION SIL.	SER.	PY.	CHL.	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
460	13	58	23	169							460·7 - 460·8 - quartz, carbonate, chlorite 468·0 - 460·95 - volcaniclastic sed 460·95 - 462·15 - quartz, carbonate and chlorite vns.		
462	14	39	116	74									
	15	2165	622	536	38/50						462·1 - 467·6 - fine grained laminated black pyritic shales		
	16	1694	382	438									
466	17	7875	587	791									
	18	66	98	124	45/51								
468	19	63	113	139									
	21	76	55	87									
468	22	166	17	120							467·6 - 468·8 - quartz rich sediments: quartz eyes 5mm		
	23	87	26	88							468·8 - 470·3 - quartz eyes comprise 2·5:1, >5mm - quartz porphyroblasts.		
470	24	144	17	110	65/51						ie.  sinistral sense of rotation - pyrite aggregates as dominant pressure shadows.		
	25	95	7	87							470·3 - 470·6 - lithic and crystal rich unit 60-80% polymict clasts (chert, sandstone) and coarse quartz eyes. - <1% py as veinlets		
472	26	45	8	77									
	27	85	31	76									
474	28	40	12	63									
	29	43	11	64									
476	30	16	7	75	50/51								
	31	86	6	111									
478	32	126	18	150		VN1 VN					478·1 - 478·6 - quartz, chlorite albite + cpy		
	33	105	7	190									

REMARKS (T37720 = STD BM T3)

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN011

SHEET 25 OF 25

PROJECT	:	BASIN LAKE
PROSPECT	:	TYNDALL
DATE	:	14/8
LOGGED BY	:	S CORLETT

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

HOLE DEPTH	SAMPLE No PREFIX T377	ASSAY RESULTS Cu	Pb	Zn	STRUCT.	GRAPHIC LOG 1/16 1/4 1 4 16 32	ALTERATION SIL. SER. PY. CHL CB ALBITE	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
400	34	102	6	155 Gl	60		S	- fine grained chloritised sandstone - moderate chloritisation - cross cutting carbonate and quartz veins.		
	35	62	36	177			S			
402	36	27	7	151 broken zone			S			
	37	60	20	185			S			
404	38	33	6	213			S			
	39	64	19	193			S			
406	41	79	108	205						
	42	73	50	193 Sl	55					
408	43	121	34	147		EOH 489.2				
410										

REMARKS