RGC EXPLORATION DRILL HOLE RECORD

HOLE NUMBER	TYN016	**DRILLED BY**	DDTAS
PROJECT	Basin Lake	**NORTHING**	5351681.30
PROSPECT	Basin Lake	**EASTING**	380555.58
DESIGNED BY	Michael Vicary	**RL**	605m
LOGGED BY	Adam Elliston	**INCLINATION**	-60
COMMENCED	22/10/97	**AZIMUTH**	090 AMG
FINISHED	24/10/97	**EOH**	448.8m

PURPOSE

TYN016 was targeted at an alteration zone developed at the contact between the Anthony Road Andesite and Central Volcanic Sequence. The hole will test the target horizon about 300m south of TYN010 abd about 200m north of the Hamilton Moraine Fault, a potential growth fault. If any alteration is found in the footwall porphyry the hole should be continued until the Great Lyell Fault is intersected.

SURVEY DATA

DEPTH	INC.	AZ.	DEPTH	INC.	AZ.	DEPTH	INC.	AZ.
0	-60	090	270	-45	096			
50	-60	098	300	-44	096			
90	-60.5	098	330	-43.5	096			
120	-61	099	370	-39.5	096			
150	-56	096	400	-38	097			
180	-52	096	430	-36	097			
210	-51	099	448	-34	097.5			
240	-47.5	097						

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS
PQ	0 - 21.6	
HQ	21.6 - 136.00	
NQ	136.00 - E.O.H	

SUMMARY

0 - 58.3	Glacials
58.3 - 63.5	Limonitic weathered clays
63.5 - 224.6	Anthony Road Andesite - Andesitic intrusives / lavas & sediments
224.6 - 268.8	Black weakly pyritic siltstone
268.8 - 448.8	Central Volcanic Sequence - dacitic lavas / intrusives & sediments

TYN016 intersected a strongly foliated package of rocks consisting of Andesitic/dacitic intrusive/lava and sediments and black weakly pyritic siltstone. The interpreted target horizon or contaact between the basin lake porphory & Anthony Road Andesite was not intersected suggesting faulting & other structural complexities. No significant alteration or mineralisation was intersected.

417046

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016

SHEET 1 OF 23

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: Oct / Nov 1997
LOGGED BY	: A.L.E

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 (FM, ROCK, ALTERATION)
0						0 -> 58.30m Unconsolidated -> Glacial Tills, clays and sands consisting of dominant pre € Silcrete cobbles and boulders & some volcanic clasts. Core recovery poor in some places upto 50% particularly in clays + sands	Q Till
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016 417047

SHEET 2 OF 23

PROJECT	: Basin Lake
PROSPECT	: TYNDALL
DATE	: Oct / Nov 1997
LOGGED BY	: ALE

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
21								
22						21.6 → 22.4m unconsolidated sands & one gravel sized clasts	Qsl	Unalt.
23								
24								
25								
26								
27								
28						Glacials as described on page ①		
29								
30								
31								
32							Qg. TILL	
33								
34								
35								
36								
37								
38								
39								
40								

REMARKS

417048

RGC EXPLORATION PTY LTD

DRILL HOLE No TYNO16

SHEET 3 OF 23

PROJECT	BASIN LAKE
PROSPECT	TYNDALL
DATE	24/Nov 1997
LOGGED BY	ALE

— 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
41						40.2 → 54.9m. Brown kaolinitic clays and sands: Odd clast of glacial within. Up to 50% core loss.	QS CLAY	L--S
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								
55						Glacials as described on page ①	QG TILL	
56								
57								
58								
59						58.3 → 63.5m Brown kaolinitic clays probably weathered saprolite	Es CLAY	L--S
60								

REMARKS

RGC EXPLORATION PTY LTD

417049

DRILL HOLE No TYN016

SHEET 4 OF 23

PROJECT	BASIN LAKE
PROSPECT	TYNDALL
DATE	Oct/Nov 1997
LOGGED BY	A.L.E

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
61								Brown limonitic saprolitic clays.	Ea CLAY	II L - S
62										
63										
64								63.5 → 73.2		
65								cream-lt Gn saprolitic/clayey chloritic bedrock → some cleavage textures preserved - probably weathered Andesitic clays		
66										
67										
68										
69										
70									Ea KAE	O - S
71										
72										
73										
74								73.2 → 105.5		
75								Broken, chloritic, well cleaved Andesitic lpor phyric volcanic some mafics (Hornblende)		
76										
77								Rock has a very good cleavage 030° to C.A. (81.5m)		
78								* Probably a fault zone	Ea KAF	
79								lpors centres bordered - minor fg mineralisation @		
80										

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016 41705C

SHEET 5 OF 23

PROJECT :	BASIN LAKE
PROSPECT :	TYNDALL
DATE :	Oct / Nov 1997
LOGGED BY :	A. L. E

— 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)

81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

Fracture planes. (74.6m / 83.6m)
- qtz fragments representing veining @ 80.2m → 80.4m
- some limonitic contacts
- Transposition of fspar into cleavage common.

Brecciation of lavas evident with good flow textures @ 98.6 - 99m

89.0 - 89.2 Qtz veining → manganiferous mineralisation chlorite + some slickensiding

- rock very broken @ 88.4 & 89.5m area
92.0 → 92.6

fspars often pink → red in color suggesting Fe staining
- Hornblendes to chlorite?

clasts & fspars alike strung out + transposed into cleavage.

SUMMARY: 0-2.5 VAF; 2.5-88 LAFB; 88-100 0-5

REMARKS

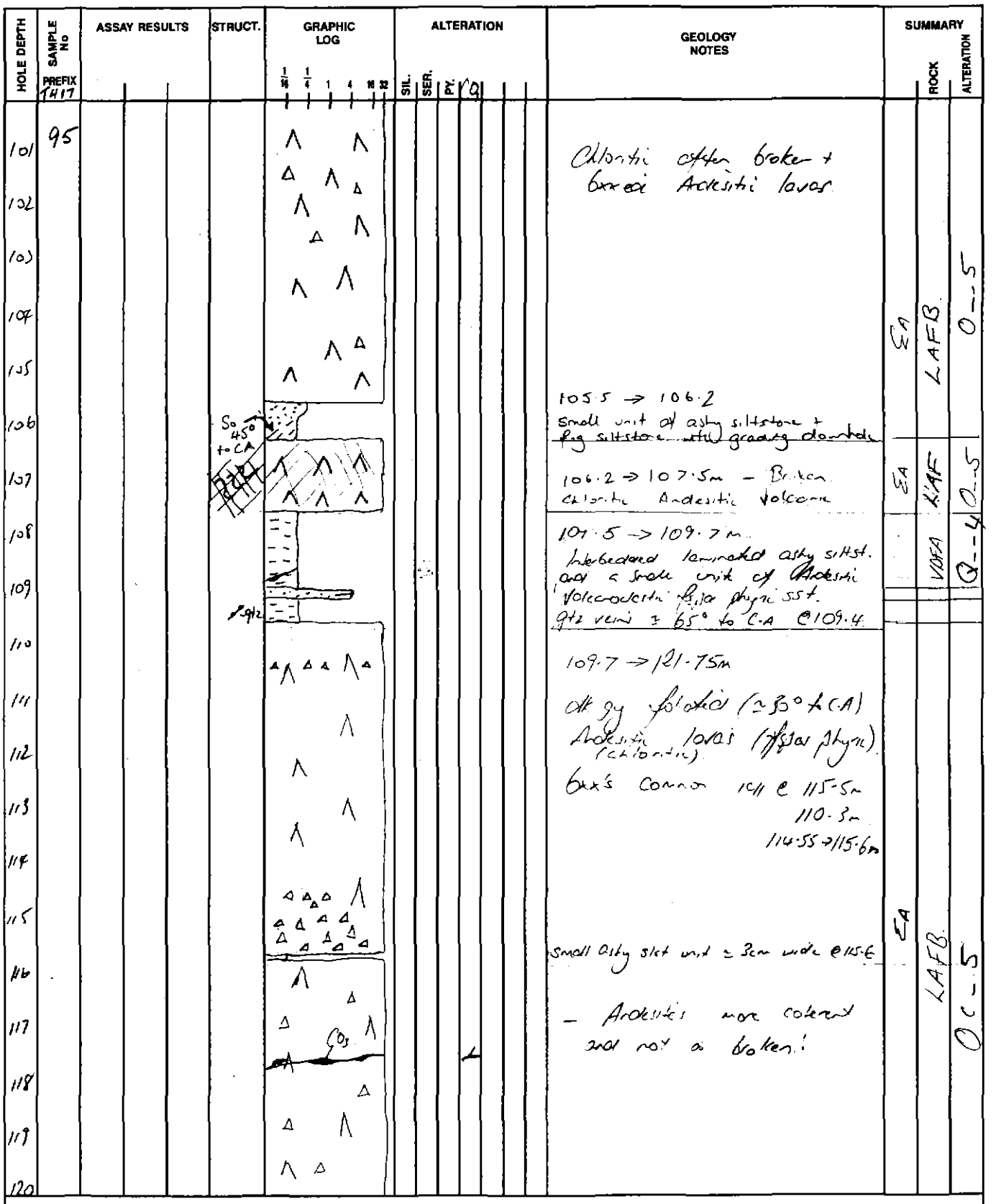
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016 417051

SHEET 6 OF 23

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

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: Oct / Nov 1997
LOGGED BY	: A.L.E



REMARKS

RGC EXPLORATION PTY LTD

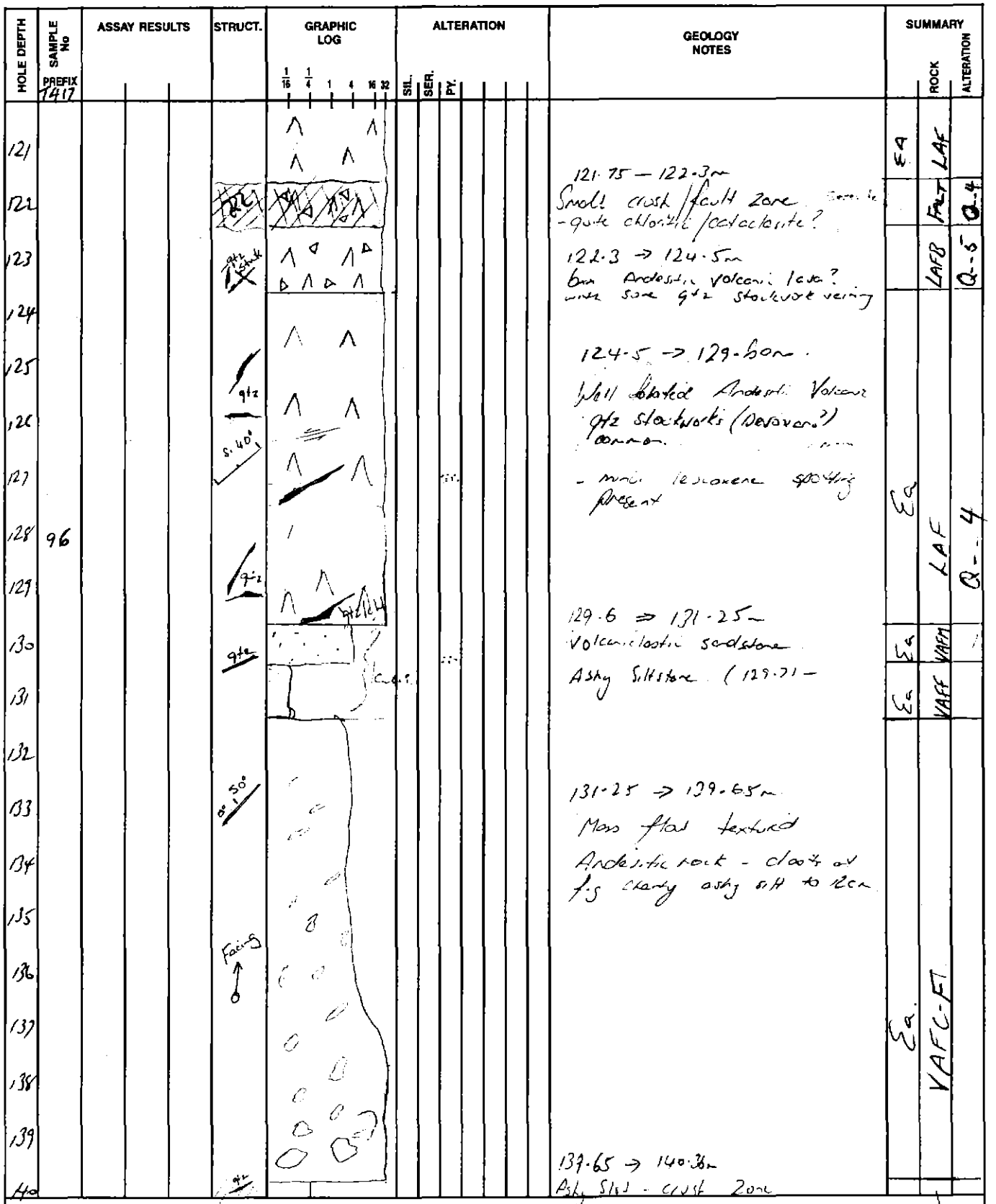
417052

DRILL HOLE No TYN016

SHEET 7 OF 23

PROJECT	BASIN LAKE
PROSPECT	TYNDALL
DATE	OCT/NOV 1997
LOGGED BY	A.L.E

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



REMARKS

RGC EXPLORATION PTY LTD

417053

DRILL HOLE No TYN016

SHEET 8 OF 23

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

PROJECT	: Baan Lake
PROSPECT	: Tynsall
DATE	: Oct/Nov 1997
LOGGED BY	: A.L.E

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)

140.36 → 142.0 m
Volcaniclastic - Andesitic Mass flow

142.0 → 145.15 m
Fine grained foliated Andesitic volcaniclastic

145.15 → 148.2 m
Andesitic Volcaniclastic Mass flow

148.2 → 152.8 m
Zone of intense qtz veining + silicification (alteration?). Clasts of altered common and some Kspar alteration - Host rock hard to distinguish - VAFM?

152.8 → 175.7 m
dk grey fine phyric Andesitic, coherent volcanic - Brec/Hyaloclastite textures common
- leucoxene spotting
- well foliated

SUMMARY: Ea | VAFM-I | Ea | VAFM | Ea | VAFM | Ea | LAFM

REMARKS

417054

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016

SHEET 9 OF 23

PROJECT	: Basin Lake
PROSPECT	: Tyndall
DATE	: Nov 1997
LOGGED BY	: A.L.E

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

HOLE DEPTH	SAMPLE No PREFIX T417	ASSAY RESULTS	STRUCT.	GRAPHIC LOG 1/16 1/4 1 4 16 32	ALTERATION SIL. SER. PY.	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
161						D.H.O.		
162								
163								
164								
165						- Minor bxx @ 165.1 qtz vns @ 165.34 166.62 + 67 166.9 167.1		Q-S
166								
167								
168						167.0 → 171.47 — Andesitic lavas → intercalated with siliciclastic unit.	Ea	LAFP
169								
170								
171								
172						171.47 → 175.7 — Andesitic hypa phyric lava with auto bxx textures - leucoxene spotting common - silicification + chloritic alt matrix around some Ean clasts	Ea	LAFP QA-S
173								
174								
175								
176						175.7 → 179.0 — Coherent Andesitic lavas hyp/aphyric. foliation not as pronounced as further up hole	Ea	LAF
177								
178	97							
179								
180						179.0 → 182.33 Zone of silicification + qtz stwk		Q-S

REMARKS

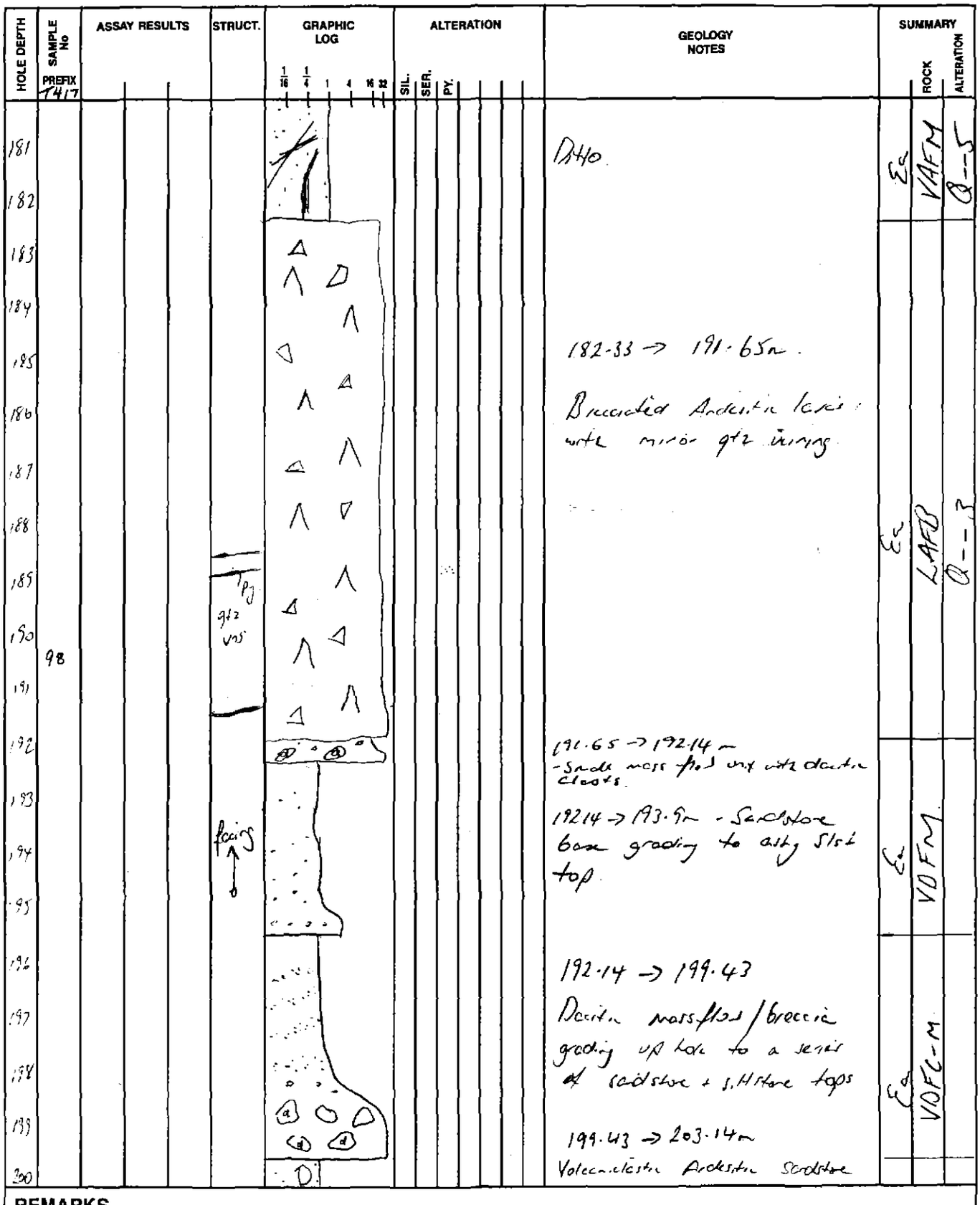
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016 417055

SHEET 10 OF 23

PROJECT	: Basin Lake
PROSPECT	: Tyndall
DATE	: Nov 1997
LOGGED BY	: A.L.E

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



REMARKS

RGC EXPLORATION PTY LTD

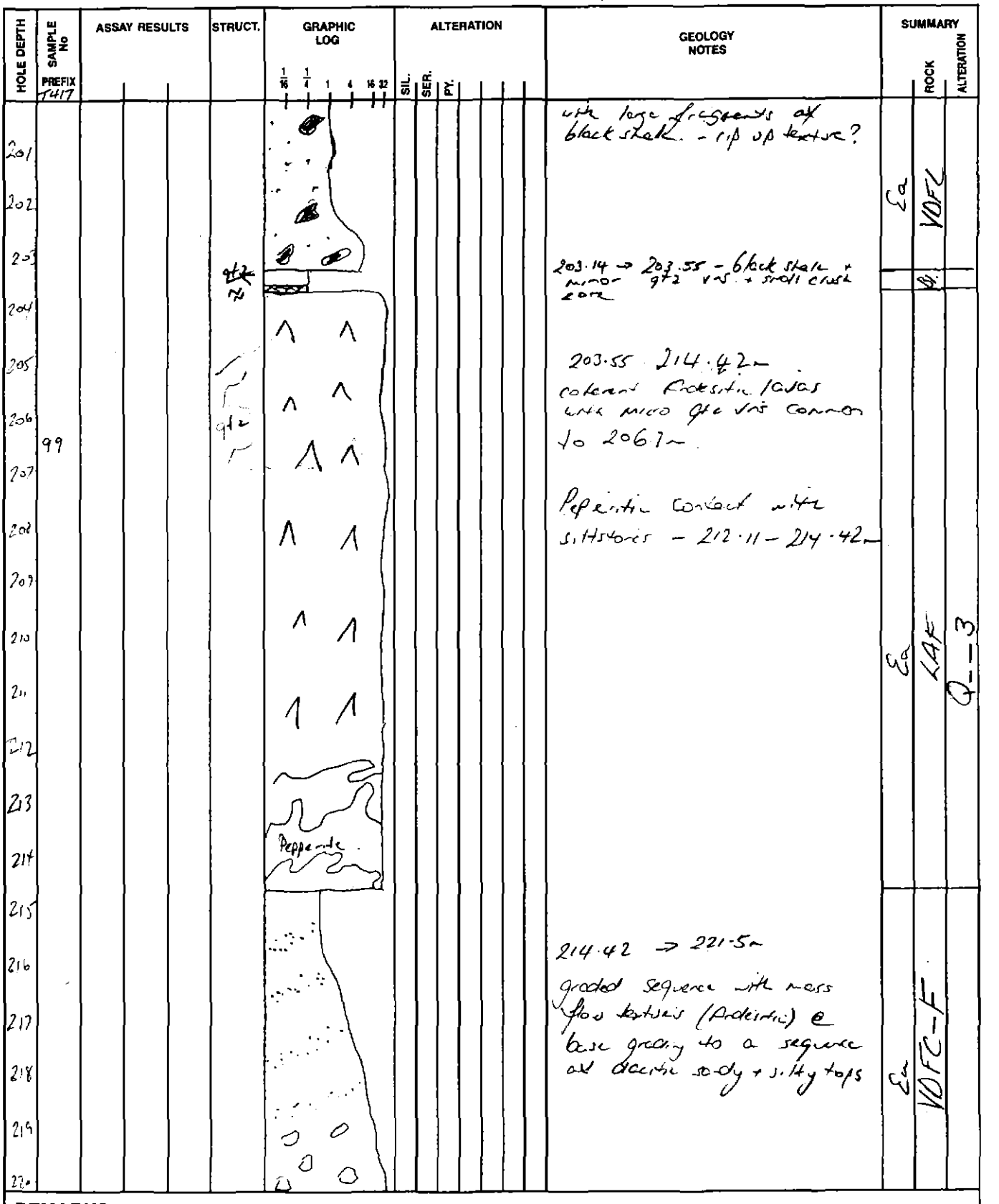
417056

DRILL HOLE No TYN016

SHEET 11 OF 23

PROJECT	Basin Lake
PROSPECT	Tyndall
DATE	Nov 1997
LOGGED BY	A.L.E

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



with large fragments of black shale - rip up texture?

203.14 → 203.55 - black shale + minor qtz vns + small crush zone

203.55 214.42 - coherent dacitic lavas with micro qtz vns common to 206.7

Peperitic contact with sediments - 212.11 - 214.42

214.42 → 221.5 graded sequence with mass flow textures (dacitic) @ base grading to a sequence of dacitic sandy + silty tops

Ea VDFL

Ea LAF Q—3

Ea VDFC-F

REMARKS

417057

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016

SHEET 12 OF 23

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

PROJECT	: Basin Lake
PROSPECT	: Tyndall
DATE	: Nov 1997
LOGGED BY	: A.L.E

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
221						Dike.	Ea	
222						221.5 – 221.84 – black shale grading to dacitic ashy siltstone @ top.		
223						221.84 → 224.6m. Chaotic Andesitic mass flow with dacitic clasts to 6cm	Ea	VDFC-M
224								
225			qtz vn			224.6 → 268.8m.		
226						Black shales with interbedded ashy + sandstone units. Pyrite clasts + dissemination in black siltstone common.		
227								
228			facing					
229				Andesitic unit		*229m → Small flame structure between Ashy unit up hole + black shale down hole ∴ facing up hole		
230								
231								
232								
233								
234			45°				Eas	SILT P-1
235								
236								
237								
238								
239								
240								

REMARKS

417058

RGC EXPLORATION PTY LTD

DRILL HOLE No TJN016

SHEET 13 OF 23

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

PROJECT	:	Basin Lake
PROSPECT	:	Tyndall
DATE	:	Nov 1997
LOGGED BY	:	A.C.E

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
241								
242								
243								
244						Black laminated siltstone		
245								
246								
247								
248								
249								
250							Sds	SILT
251								P-1
252								
253								
254								
255								
256								
257								
258								
259						Dacitic unit with siltstone		
260								

REMARKS

417059

RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016

SHEET 14 OF 23

PROJECT :	Roon lake
PROSPECT :	TYNDALL
DATE :	Nov 1997
LOGGED BY :	A.L.E

Legend: 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	ALTERATION (SIL. SER. PY.)	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
261								
262								
263								
264						Ditto		
265							Ea3 SILT/VDFM	P--
266								
267								
268								
269								
270						268.8 -> 271.8m - Dacitically dominant unit with qtz veining subparallel + oblique to C.A - clots of chlorite in qtz common.		
271			qtz CH				Ecd VDFM	Q--6
272								
273						271.8 -> 282.69		
274						Andesitic fine phyric unit with 6xx textures + dacitic interbedding from > 270m - unit ends with dacitic vole.		
275								
276								
277							Ecd VAFM/VDFB	
278								
279								
280								

REMARKS

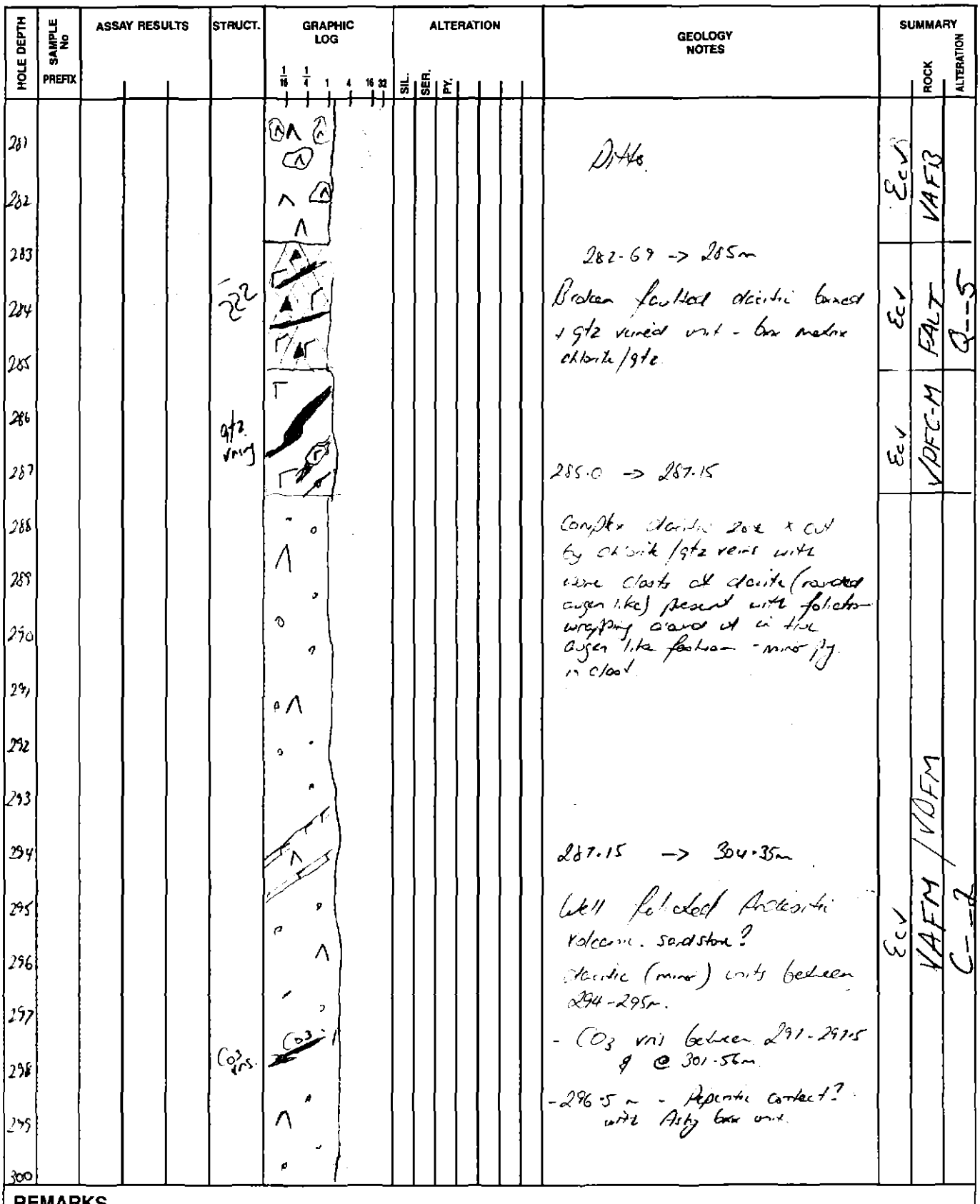
RGC EXPLORATION PTY LTD

417060
DRILL HOLE No TYN016

SHEET 15 OF 23

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

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: NOV 1987
LOGGED BY	: A.L.E



REMARKS

417061

RGC EXPLORATION PTY LTD

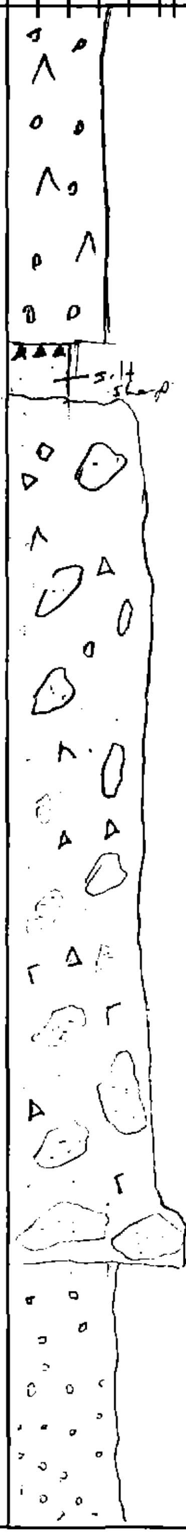
DRILL HOLE No TYN016

SHEET 16 OF 23

PROJECT :	BASIN LAKE
PROSPECT :	TYNDAL
DATE :	NOV 1997
LOGGED BY :	A.L.E

Legend: 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	ALTERATION (SIL. SER. PY.)	GEOLOGY NOTES	SUMMARY ROCK	ALTERATION
301								
302								
303								
304								
305			6xx	+ silt sharp 45° contact				
306						304.35 → 316.85m		
307						chaotic Andesitic/dacitic Volcanoclastic 6xx.		
309						- alternating weakly dacitic / andesitic bands.		
310						qtz veining common but not massive - in micro faults + displacements		
312							ECV VD-AFB	OQS4
315						- large clasts of black siltstone or lithoclasts in ssx.		
316								
317						316.85 → 331.2m		
318						weakly foliated chloritic - dacitic read pink fspa phyric sandstone		
319						fspa ± qtz clasts often rounded + rotated with foliation wrapping around them	ECV VDFM	O-S4
320								



REMARKS

417062

RGC EXPLORATION PTY LTD

DRILL HOLE No TWN016

SHEET 17 OF 23

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

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: NOV 1997
LOGGED BY	: A.L.E

HOLE DEPTH	SAMPLE No PREFIX T41	ASSAY RESULTS	STRUCT.	GRAPHIC LOG 1/16 1/4 1 4 16 32	ALTERATION SIL. SER. PY.	GEOLOGY NOTES	SUMMARY ROCK	SUMMARY ALTERATION
321			qtz			Dike - qtz veining common		
322								
323								
324								
325			qtz					
326								
327								
328								
329								
330								
331								
332						331.2 → 342.8 → Basaltic dyke? qtz vein @ 333.75		
333								
334			qtz			331.2 → 342.0 - Basaltic/Andesitic dyke? with minor qtz veining, trace Py in & fracture surfaces		
335	800							
336								
337								
338								
339								
340								

REMARKS
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417063

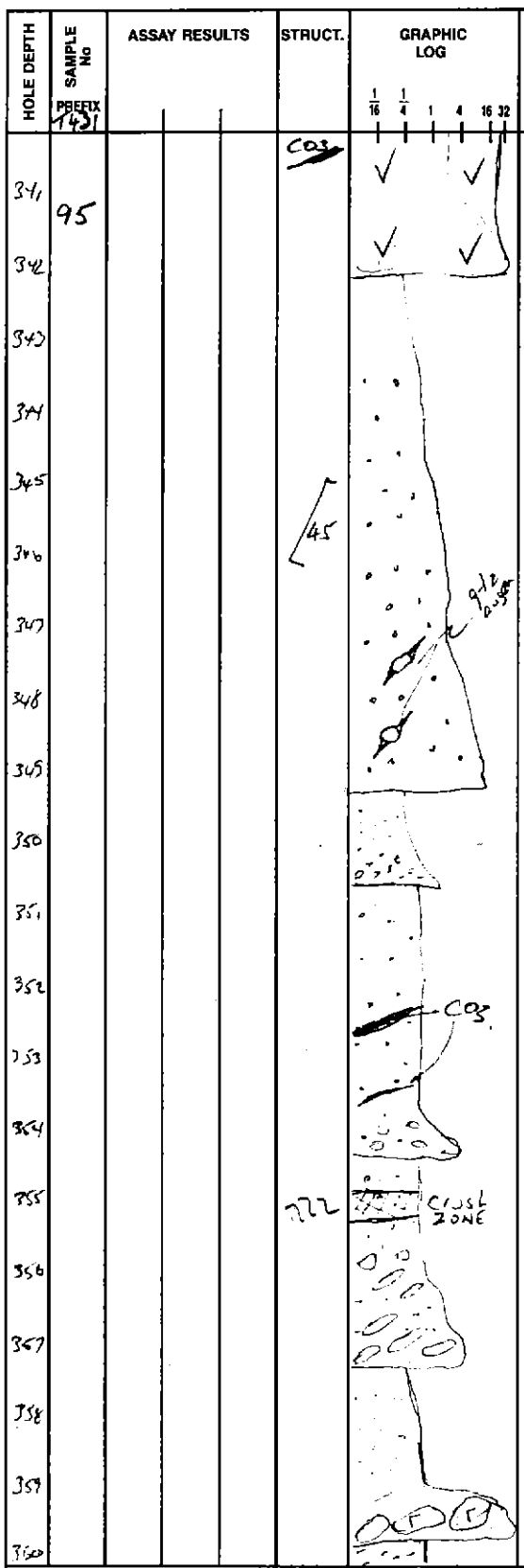
RGC EXPLORATION PTY LTD

DRILL HOLE No TyN016

SHEET 18 OF 23

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: Nov 1997
LOGGED BY	: A.C.E

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



GEOLOGY NOTES

Ditto - CO3 vn @ 340-5m

342.0 -> 349.2

Aspar phyric foliated dacitic (crystal) sandstone. Rock dark in color - silicified? often a reddish tan staining color.

large rounded qtz augens to 1cm present @ 2x8m foliation clearly wraps around them @ ~0° to foliation.

349.2 -> 351.35

Ditto - triple augens

351.35 355.50

Well foliated dacitic C-g -> f-g sst - many CO3 veining

355.50 -> 357.2m

new flow with a box of dacitic lava clasts - fresh grading into a sst top. Again well foliated - clasts well rotated @ times.

357.2 -> 359.7m

Ditto - clasts ~ 5cm

SUMMARY

	ROCK	ALTERATION
Ecv	VDFM	S--2
Ecv	VDFM	S--2
Ecv	VDFC-M	C--3
	PM	
Ecv	VDFC-M	S--2
Ecv	VDFC-M	S--2

REMARKS
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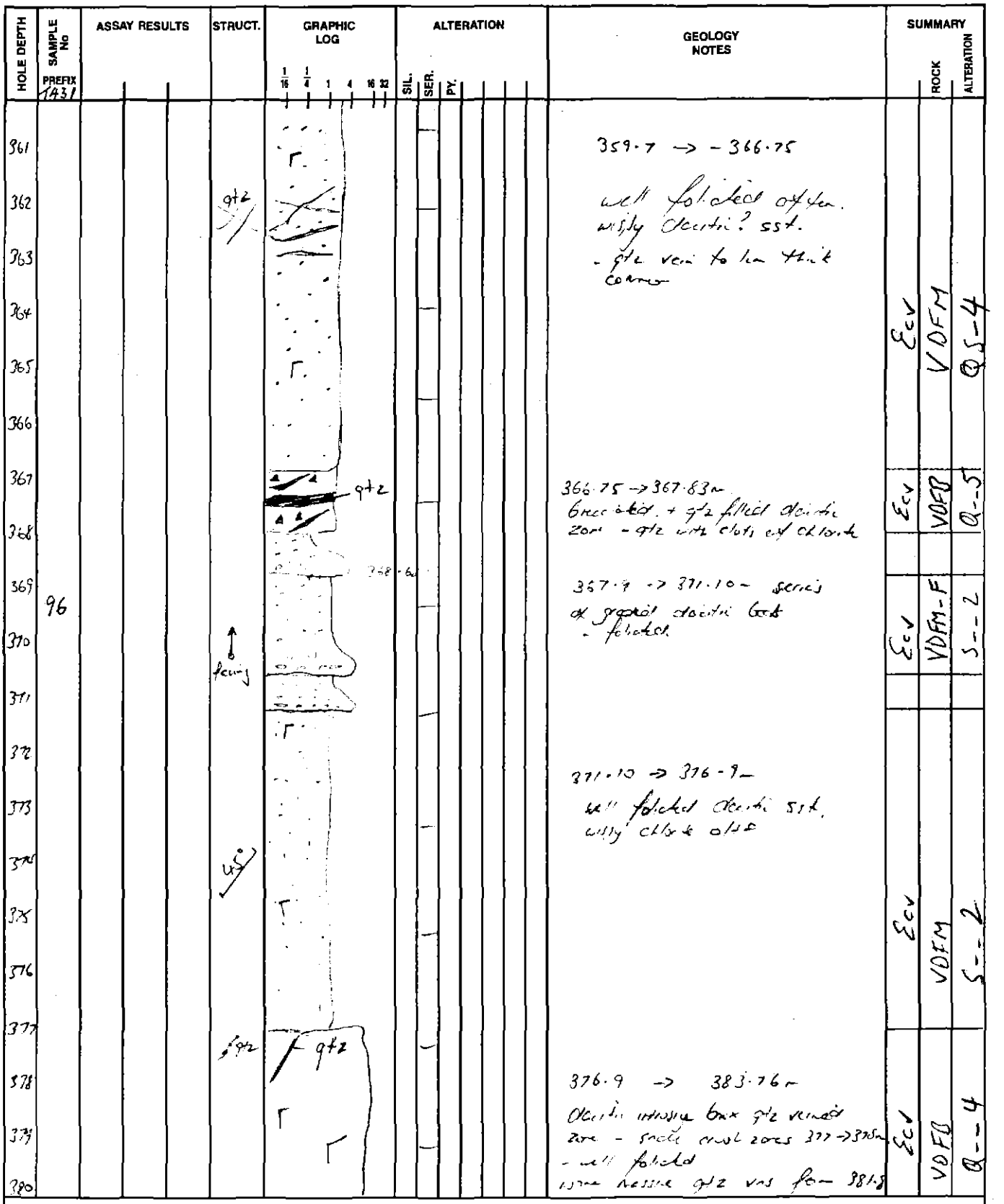
RGC EXPLORATION PTY LTD

417064
DRILL HOLE No TYN016

SHEET 19 OF 23

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: Nov 1997
LOGGED BY	: A.L.E

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



REMARKS

417065

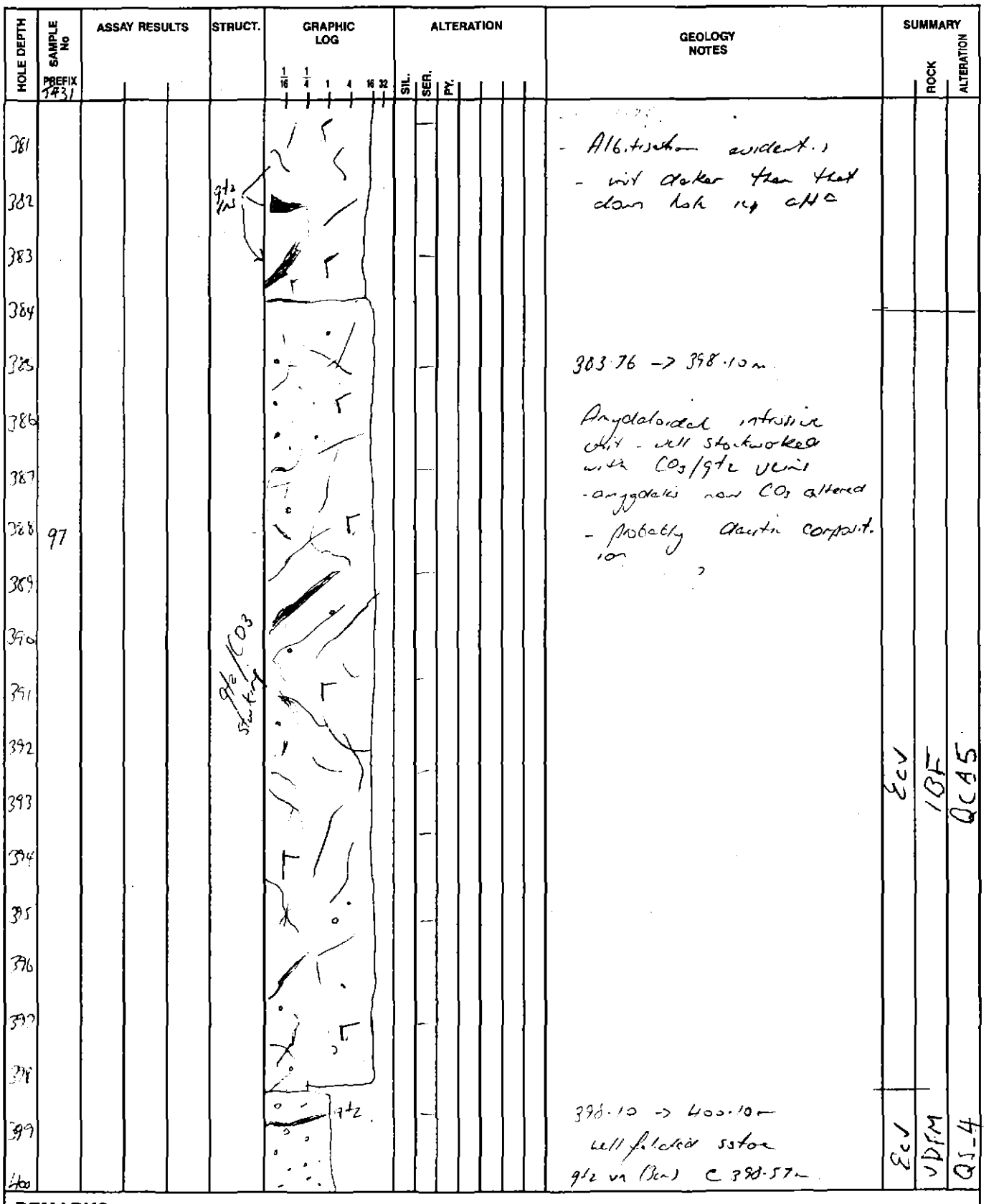
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016

SHEET 20 OF 23

PROJECT	BASIN LAKE
PROSPECT	TYNDALL
DATE	NOV 1997
LOGGED BY	A.L.E

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



REMARKS

417066

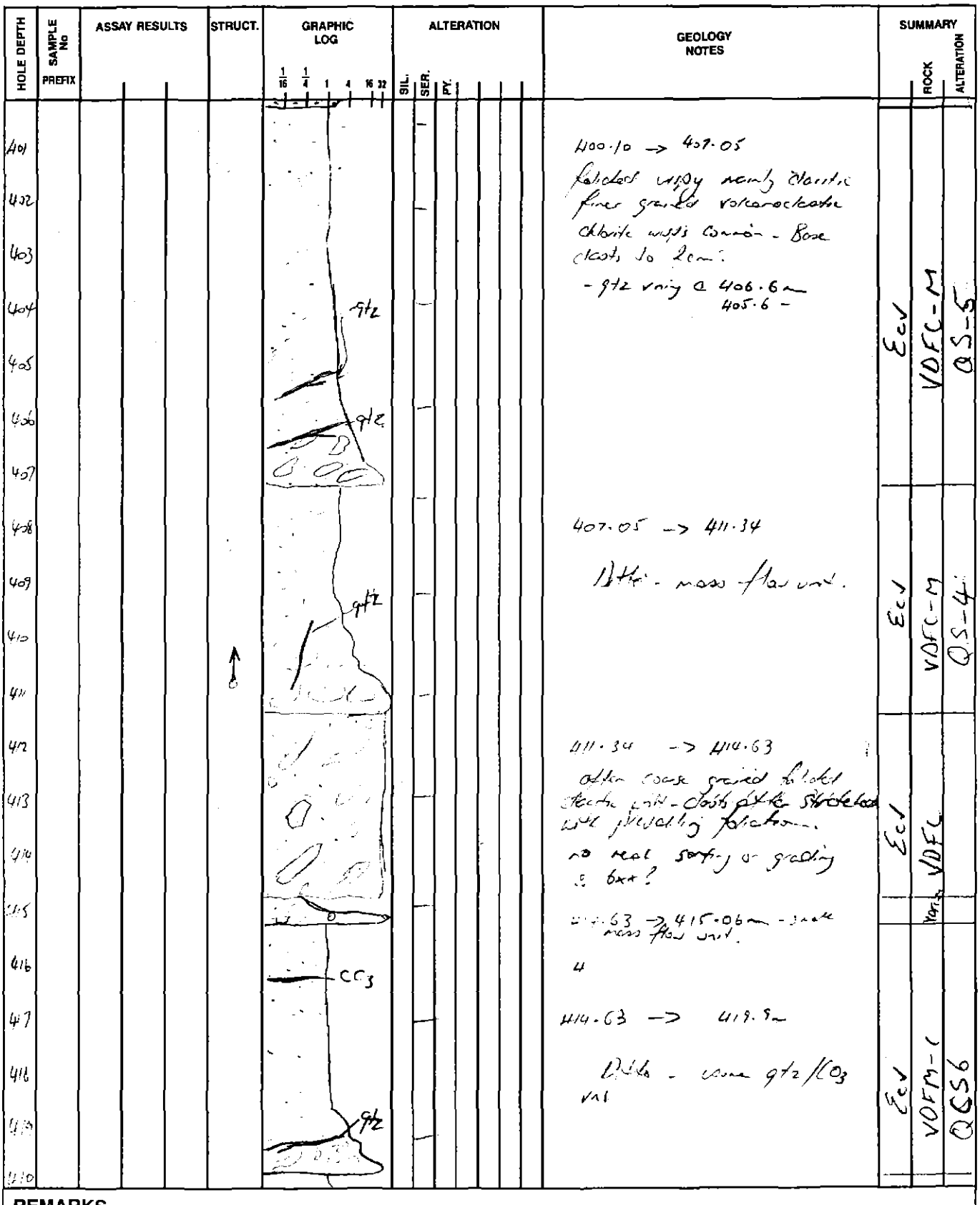
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016

SHEET 21 OF 23

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

PROJECT	:	BASIN LAKE
PROSPECT	:	TYNDALL
DATE	:	NOV 1997
LOGGED BY	:	A.L.E



REMARKS

417067

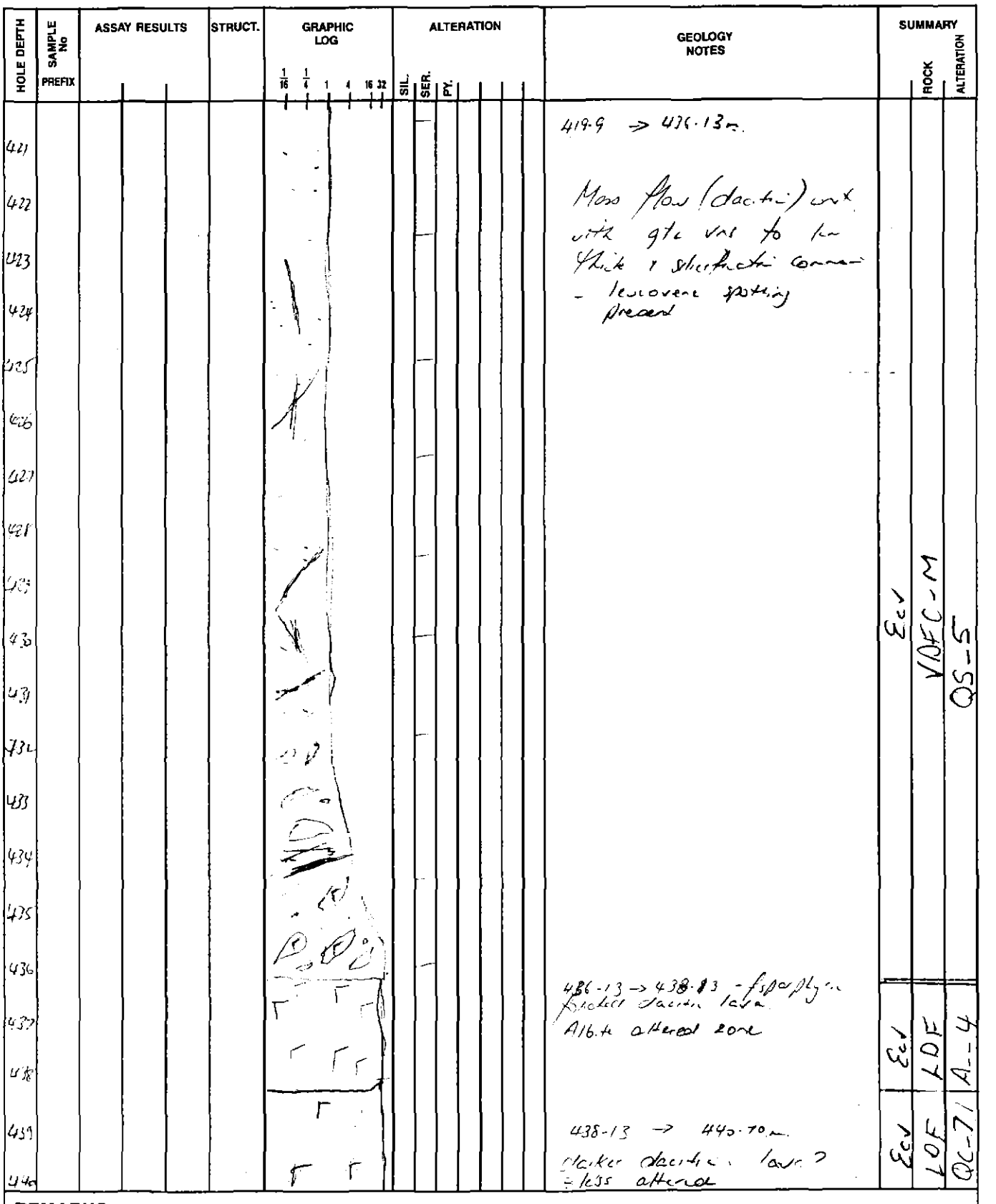
RGC EXPLORATION PTY LTD

DRILL HOLE No TYN016

SHEET 22 OF 23

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

PROJECT	:	BASIN LAKE
PROSPECT	:	TYNDALL
DATE	:	NOV 1997
LOGGED BY	:	A.C.E



REMARKS

RGC EXPLORATION PTY LTD

417068
DRILL HOLE No TYN016

SHEET 23 OF 23

PROJECT	: BASIN LAKE
PROSPECT	: TYNDALL
DATE	: NOV 1997
LOGGED BY	: A.L.E

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
441				qtz/chlorite				qtz veins to 1m of core		
442								443.7 → 444.14 m	qtz	
443				qtz/chl vnl				Dacitic lavas? + silicification / qtz veining + Alteration	Lav	LDFB QD-6
444										
445				qtz						
446								444.14 - 448.8 E.O.H.		
447								Alternating units merging into one another of fg foliated dacite/andesite association.	Epv	LAF/LDF QC-4
448								- Some minor qtz vns.		
449				E.O.H 448.80m						
450										

REMARKS