

315038

RGC EXPLORATION DRILL HOLE RECORD

HOLE NUMBER	MS-6	DRILLED BY	DDT - D.O'DONNELL
PROJECT	TAS BASE METAL	NORTHING	5347100 mN
PROSPECT	BEATRICE	EASTING	384973 mE
DESIGNED BY		RL	620.8 m
LOGGED BY	KJ	INCLINATION	-50°
COMMENCED	1-4-96	AZIMUTH	144° AMG (137° MAG)
FINISHED	10-5-96	EOH	288.6 m

PURPOSE

TO TEST FOR MINERALISATION SOUTH OF PREVIOUS
DRILLING COLLARED ~500M SOUTH OF MS-2 ADJACENT
TO INTERPRETED MT SEDGWICK FAULT

SURVEY DATA

DEPTH	INC.	AZL	DEPTH	INC.	AZL	DEPTH	INC.	AZL
30	-50	144	240	-45	146			
60	-49.5	143	270	-45	146			
90	-49	143						
120	-48	145						
150	-47	146						
180	-46	146						
210	-45.5	147						

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS
HQ	74.20	TRICONE 0-2m
NG	213.8	
BQ	EOH	

- PVC CASING BROKEN OFF DOWN HOLE

SYMBOLS FOR COHERENT TEXTURES

- single line symbols for low to moderate phenocryst abundance
- double line symbols for abundant phenocrysts
- smaller symbols for fine grained phenocrysts
- larger symbols for coarse grained phenocrysts
- additional "+" symbol for coarse, phenocryst-rich granitoid texture

	basalt, poorly to moderately porphyritic basalt
	phenocryst-rich basalt
	andesite, poorly to moderately porphyritic andesite
	phenocryst-rich andesite
	dacite, poorly to moderately porphyritic dacite
	phenocryst-rich dacite
	fine, poorly to moderately porphyritic rhyolite
	coarse, poorly to moderately porphyritic rhyolite
	coarse, phenocryst-rich rhyolite
	coarse rhyolitic porphyry
	flow foliation
	spherulites, lithophysae, alteration spots, nodular devitrification texture

SYMBOLS FOR VOLCANICLASTIC TEXTURES

- closer spaced symbols for dominant grain size and grain type

	pumice or relict pumice
	angular, juvenile lava clasts
	flamme/vitriclast or relict vitriclast
	accretionary lapilli
	angular, polymict lithic clasts
	rounded, polymict lithic clasts
	mudstone intraclast
	sand-size particles, granular texture
	mud-size particles
	distinct planar stratification
	diffuse planar stratification
	cross bedding
	micro-cross lamination
e.g.	
	pumice clasts in sand matrix
	angular polymict lithic clasts and mudstone intraclasts in sand matrix

SYMBOLS FOR JUVENILE-CLAST-RICH DEPOSITS

	jigsaw-fit texture of fine, moderately porphyritic rhyolite		pumice-clast-rich deposit, coarse, moderately porphyritic rhyolitic composition
	jigsaw-fit texture of coarse, moderately porphyritic rhyolite		pumice-clast-rich deposit, coarse, phenocryst-rich rhyolitic composition
	jigsaw-fit texture of coarse phenocryst-rich andesite		pumice-clast-rich deposit, coarse, moderately porphyritic dacitic composition

315040

TYPE
U - Volcanic (general)
V - Volcaniclastic
E - Epiclastic
L - Lava
I - Intrusive
P - Porphyry

COMPOSITION

R - Rhyolite
Y - Rhyodacite
D - Dacite
A - Andesite
B - Basaltic
F - Felsic
M - Mafic
U - Ultramafic

CRYSTAL TYPE

X - Crystal rich
A - Aphyric
F - Feldspar phyric
< - Feldspar - quartz phyric
> - Quartz - feldspar phyric
Q - Quartz phyric
H - Hornblende phyric
P - Pyroxene phyric
B - Biotite phyric
V - Vitric/glassy
L - Lithic rich

GRAINSIZE

B - Breccia
C - Coarse
M - Medium (Sandy)
F - Fine (Silty)
V - Very fine (Shaley)
A - Ashy
/- Undifferentiated

alt
≡ pervasive
⋯ disseminated
→ veinlet
● massive

ALTERATION

P - Pyrite
\$ - Mineralised
Q - Quartz
O - Chlorite
C - Carbonate
H - Hematite
S - Sericite
K - K feldspar
A - Albite
E - Epidote
F - Fuchsite
M - Magnetite

N - Scale

1 - Very Weak
3 - Weak
5 - Moderate
7 - Strong
9 - Intense

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315041

SHEET 1 OF 11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
PROSPECT : <u>BEATRICE</u>
DATE : <u>17-4-96</u>
LOGGED BY : <u>KAT</u>

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CHL	CARB		ROCK	ALTERATION
0										0-3m Tricone Glacials	NC	
2												
4										3.0-17.8 ferruginous, broken qtz-felds phytic rhyolite		
6												
8												
10												
12												
14												
16												
18										17.8 - green-grey qtz-felds phytic rhyolite		
20												
22												
24												
26												
28												
30												
32												
34												
36												
38												
40												

← 1:2000

REMARKS

--- fractures + chl

LRQF

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315042

SHEET 2 OF 11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↖ Narrow vein
- * Visible gold

PROJECT :	
PROSPECT :	BEATRICE
DATE :	17-4-96
LOGGED BY :	KAJ

HOLE DEPTH	SAMPLE NO	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PT.	CHL	CARB		ROCK	ALTERATION
40												
42			25°							41.5-41.7 fg aphyric rhyolite band & to CA 25°		
44												
46										45.0-54.0 v. broken qtz-felds aphyric rhyolite		
48												
50												
52												
54										54.0- 2-57 qtz-carb-chl veins / veinlets, vughy		
56												
58										57.0-57.5 green-pink alt'd aphyric rhyolite, qtz-carb vning gn bleb / mn py bleb		
60			75°									
62												
64			70°									
66												
68			80°									
70												
72			85°									
74												
76												
78												
80												












REMARKS

L-R&F

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315043

SHEET 3 OF 11

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

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CHL		CARB	ROCK
82											
84											
86											
88											
90											
92									57.5 → 151.65 ftz. felds. phyr. rhyolite (q=21, f=10% of phyris)		
94									- phyr. abundance decreases downhole, phyr. g.s. decrease downhole.		
96											
98											
100											
102											
104											
106											
108											
110											
112											
114											
116											
118											
120											

LRGF

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315044

SHEET 4 OF 11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
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- ↘ Narrow vein
- * Visible gold

PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION			GEOLOGY NOTES	SUMMARY		
				1	2	3	4	5	6	SIL.	SER.	PT.		ROCK	ALTERATION	
120																
122																
124																
126																
128																
130																
132																
134																
136																
138																
140																
142																
144																
146																
148																
150																
152																
154																

→ 130-8 green-grey
g-f. phynic phyllite

L130F

→ See over
Change Scale.

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315045

SHEET 5 OF 11

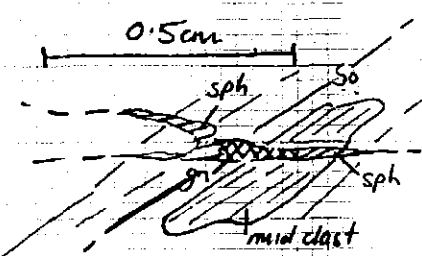
- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
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PROJECT :
PROSPECT :
DATE :
LOGGED BY :

* CHANGE SCALE

1:1000

HOLE DEPTH	SAMPLE NO	ASSAY RESULTS (ppm)			STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
		PREFIX	Cu	Pb			Zn	SIL.	SER.	PT.	CARB.		CHL.	ROCK
151	400	17	25	137								→ 150.8 q.f. rhyolite porphyry faulted? basal contact, q-c vring		
152	401	14	27	272	95°							150.8 - 151.65 VR>M mg. volcanoclastic, q-felds clasts common	VR>M	
153	402	53	201	768	95°							151.65 - 152.2 mass. silt + silt + chert + py/chert clasts in silt supported matrix	VR>M	
154	403	15	18	95	95°							152.2 - 153.6 q.f. volcanoclastic faulted? top conformable base		
155	404	14	55	180								153.6 - 164.2 black-grey shale. silt, bedding fl. carb. py throughout		
157	405	16	79	176	50°									
159	406	12	180	469	45°									
161	407	34	233	525										
163	408	53	363	1164										
164	409	21	307	385										
166	410	34	181	1509										
168	* 411	5	79	96										
169	* 412													



165.2 - 173.2 volcanoclastic (rhyo) conglomerate (VR>C) silt, rhyolite clast fractured pumice, matrix supported sph-gn stringers & cutting foliation sph in qtz-carb veins

gn in vein qtz-carb-chl vn

rhyolite clasts φ 30cm

sph bleb in vein

REMARKS

* Ann. - 9.029 2111

5 cm

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315046

SHEET 6 OF 11

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
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- * Visible gold

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS			STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY		
		Cu	Pb	Zn			SIL.	SER.	PT.	CHL	AN		ROCK	ALTERATION	
170															
171	412	10	13	51											
172	413	7	14	87											
173															
174	414	67	212	372									1732-1742 v. broken black shale-silt, qtz veining throughout		SILT
175															
176	415	26	276	1911									1742-186.1 fg. rhyolite intrusive chilled contacts. shale clasts near contacts.		
177															
178	416	7	85	231											
179															
180	417	2	50	126											
181															
182	418	4	53	144											
183															
184															
185	419	3	64	393											
186															
187	420	55	682	2131											
188															
189	421	93	89	143											
190															

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No MSB 315047

SHEET 7 OF 11

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS			STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
		Cu	Pb	Zn			SIL.	SER.	PT.	CLAY	CHL.		ROCK	ALTERATION
186												186.1-210.7 black shale silt		
191	422	61	77	100										
192														
193	423	98	92	125								mic. fold.		
194														
195	424	58	95	107										
196														
197	425	53	54	89										
198														
199	426	53	57	89										
200														
201	427	62	80	138										
202														
203	428	70	128	136										
204														
205	429	56	124	351										
206												206.1-206.2 high zone		
207	430	84	370	1007										
208														
209	431	70	363	2533										
210														
REMARKS														

- Bedding
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PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS			STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY		
		Cu	Pb	Zn			SIL	SER.	PY.	CHAL	CHL		ROCK	ALTERATION	
210	431														
211															
212	432	25	108	512											
213															
214															
215															
216	433	5	81	323											
217															
218															
219	434	76	94	468											
220															
221															
222	435	8	110	476											
223															
224															
225	436	12	245	787											
226															
227															
228	437	5	106	731											
229															
230															

REMARKS

213-R . NO > RD

210.7-212.8 strongly foliated sericitized volcaniclastic rock. crystal + lithic granular, matrix supported
 212.8-213.8 - fault - push zone drilling problems.

213.8-216.3 pumice breccia grading up to fg volcaniclastic chert found intracracks, matrix supported sericite alt^s mac. disst. blebs of py throughout

216.8-217.7 fg volcaniclastic strong sericite alt^s

226.3-234.9 volcaniclastic sandstone, sericite + chl alt^s

SILT
 VPM (4)
 VPM (4)
 VPM (5)
 VPM (5)

RGC EXPLORATION PTY LTD

315049

DRILL HOLE No MS-6

SHEET 9 OF 11

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
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PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS			STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY	
		Cu	Pb	Zn			SIL.	SER.	PK.	CHL		ROCK	ALTERATION
230													
231													
232													
233	438	4	49	844								VDM (s)	ser/chlorite
234													
235													
236													
237													
238	439	3	79	251								VRILQFC(S)	sericite/clasts
239													
240													
241													
242	440	<2	59	520								VRILQFM (s)	sericite
243													
244													
245	441	<2	87	503								VRQFLC (S)	sericite
246													
247													
248	442	4	123	328									
249													
250													

134.9-240.3 volcaniclastic (hyal) conglomerate, aphyric lava clasts common, + silt clasts + q-f crystals ser/chl alt'd py blebs throughout ~2-3%.

240.3-243.7 f-mg volcaniclastic, qz crystals + silt clasts occasionally, matrix supported

243.7-257.8 co volcaniclastic (hyal) large pink clasts (albite alt'd lava clasts?) + qz-felds phenos + mud intraclasts, strongly altered (sericite)

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No

MS-6

315950

SHEET

10

OF

11

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ▨ Broken core
- ▤ Disseminated
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- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE No	ASSAY RESULTS			STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY		
		PREFIX	Cu	Pb			Zn	SIL.	SER.	PT.		OPAS	CHL	ROCK
250														
251	243	K2	91	405										
252														
253														
254	244	K2	81	259										
255														
256														
257	245	2	64	198										
258														
259														
260	246	4	127	169										
261														
262														
263	247	4	9	58										
264														
265														
266	248	3	38	114										
267														
268														
269														
270														

more qtz downhole

257.8 - 261.0 altered volcanic ash? silica-sericite throughout, clast crystals appear smeared into foliation [chat band] silification

261.0 - 264.4 altered rock, pink/white qtz-chl-carb? albite veins through fg pink host rock (dacite lava)

263.2 - 263.6 Fault, broken pyg zone

263.6 - 269.6 feld phytic dacite chl alb, qtz vln, flow banding?

266.2 - 266.4 qtz-carb-chl vn

267.7 - 267.9 carb-qtz-chl vn

REMARKS

VRQFLC sericite
VRM(S) VRM sericite
LDF
LDF
LDF
LDF
LDF

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 **315051**

SHEET 11 OF 11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.		ROCK	ALTERATION
270				1 1 1 1 16 22						
271				F						
272				F						
273				F						
274				F						
275				F						
276				F				qtz-carb vn		
277				F						
278				F						
279				F						
280				F						
281			58°	F						
282				F						
283				F						
284				F				qtz-carb-chl vn		
285				F						
286				F						
287				F						
288				F						
289				F						
290				F						

LDF

EOH

REMARKS