PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	BOC 003	Project	Holloway
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	Mick Skirka	Date	5/5/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
0–5			0-26.5m: Yellowish orange to olive grey, massive, strong to pervasively weathered, fsp phyric andesite. Clay rich. Significant core loss top 4m. Broken core to 7m		–						
5–10			Sporadic, qtz filled amygdales.		–						
10–15	VIAN	Y-orange to olive grey		cy	–	massive					
15–20			Broken core 17.5 - 20.3m								
20–25			Breccia (pseudo?) texture from 20m								

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	BOC 3	Project	Hollway
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	Mick Skirka	Date	5/5/05

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
25	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
	VIAN		0 - 26.5m. As Above								
30			26.5 - 37.0m. Olive grey to yellowish orange, massive, moderate to strongly weathered, feldspar-phyric andesite.								
35	VIAN	Y-orange to olive grey.	Comprises common - abundant, weathered feldspars (1-2mm) & devitrified vitric fragments (~1mm). Rubbly 33.8 - 34.5m. Minor Fe-ox stained voggy intervals.	cy (2)		massive.		30.8m, 0.2m, gouge, ?			F
40			37.0 - 48.2m. Greenish grey, massive, weak to moderately weathered, feldspar phyric andesite. Similar to above, less weathered					39.2, 0.02m, gouge			F
45	VIAN	gn-gy to yellow orange	Fe-oxide staining on vugs & fracture surfaces. Trace weathered pyrite.	cy (1) chl (1)	trace py.				Rubble.		
50	VIAN	gn-gy	48.2 - 62.7m. See over.								

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	Boc 3	Project	Hollway
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	MICK SKIRKA	Date	5/5/05

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
50	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
			48.2 - 62.7								
			Greenish grey, massive, weakly weathered, feldspar phyric andesite.								
			Moderate to strong amygdaloidal texture with amygdales filled with carbonate, carbonate + qtz ; qtz, qtz-pyrite or as weathered voids.								
55											
	VIAN	gr gy.	Feldspars (~1mm) weathered.	cy (1) chl (1)	trace py.		qtz (1)				
			Rare qtz veins @ low < to bc.								
60											
			62.7 - 68.4m:								
			Greenish grey, massive, amygdaloidal, vitric andesite & andesite breccia.								
65							cb (1)				
	VIAN	gr-gy	Comprises angular vitric? fragments (< 1mm) & common irregular amygdales filled with carbonate &/or qtz. Matrix supported breccia to 64.2m.	chl (1)	trace py.		cb (1)				
			Rare trace blebby pyrite								
	VABR	dark gr gy.	68.4 - 70.1m: Dark greenish grey & bluish grey, f-g andesitic breccia & pepitic, siliceous matrix		py: 1-2%						
70											
		dk gy - m. gy.	70.1 - 73.6m: Dark greenish grey, matrix rich andesitic hyaloclastite. Comprises angular clasts of fsp phyric andesite (to 5cm) in a f-g brecciated, carbonate sericite altered fsp phyric matrix.								
	VABR										
			73.6 - 94.1m:								
75	VIAN		Dk bluish grey, fsp phyric andesite								

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

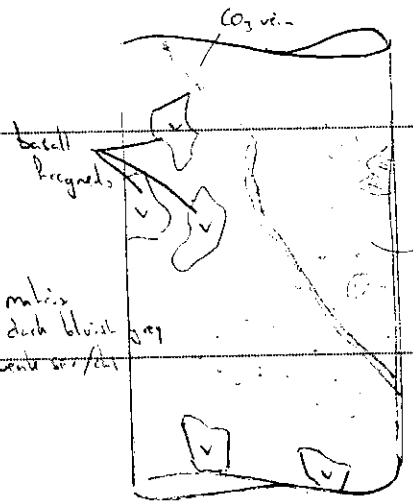
Hole_ID	BOC 003	Project	HOLLWAY
Hole_Type	DDH.	Tenement_No.	
Year	2005	Prospect	BOCO.
Geologist	MICK SHARMA	Date	18/5/05

Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
75			73.6 - 94.1m: Dark bluish grey, massive to fsp. phyric andesitic breccia	chl (1) ser (2) alb (1)	trace py		qtz-cl (1)				
			Weak to moderate albite alteration to 80.3m.								
80			Feldspar phenocrysts 0.5-1mm.								
			Trace disseminated pyrite.	chl (1)	trace py.						
		dk bluish	Breccia zones have jigsaw fit with v.f.g, bluish grey matrix.								
85	VNBa	grey				cb-q-chl vein 15° to l.a a				cb-qtz	
			3cm cb-qtz-chl vein @ 85.0m.	chl (1) cb (1)	trace py on fractures						
90				chl (1) ser (1)	blebby py at contact.		cb (1)			py	
95			94.1 - 123.4m		py: 1%						
	VNBa - VNBx	dk gy to bl gy	Massive, dk grey to bluish grey f.grained basalt to basaltic breccia. Sub angular to sub rounded basaltic fragments (to 6cm) in a basaltic matrix. Minor cb in matrix & small veins		to py.		cb (1)				
100											

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID BOC 3	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICH SKIDMORE	Date 21/5/05

5/22.

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
100			94.1 – 123.4 m. Massive, bluish grey to light bluish grey, fine grained basaltic breccia.	ser (1) cl (1)	rare to py.		cb (1)				
105			Similar to above. Sporadic, bleached, vesicular clasts								
			Clasts generally subangular to subrounded. Basaltic matrix with increasing carbonate as irregular veins through matrix & infilling vesicles.	ser (1) cl (1)	tr py		cb (2)				
110		bluish gy									
	VmBR	– lt bl gy		ser (1) cl (1)	tr py		cb (1)				
115											
120				ser (1)	tr py.		cb (1)				
			123.4 – 136.1 See below								
125	VBBR	mixed									

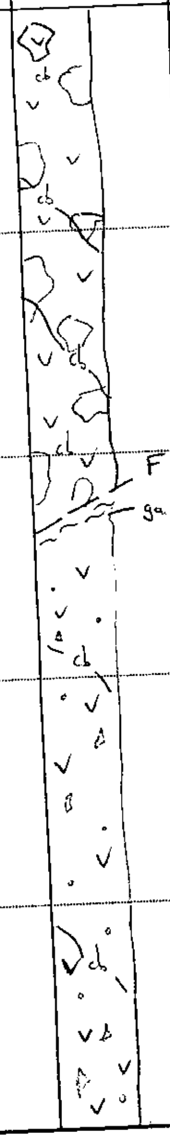
PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	BOC 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2003	Prospect	HOLLWAY
Geologist	Mick SKINKA	Date	22/5/03

6/22

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
125			123.4 – 136.1m. Massive, variably altered, basaltic breccia. Similar to above but with moderate (& variable) sericite &/or albite alteration. Increased calcite in breccia matrix & infilling vesicles.	ser (1) cb (2) alb (1)	–	126.5m Cb vein 24 [illegible]	cb (1)				
130	VBBR	Varied.	Intervals of strongly vesiculated basaltic clasts (eg: 127.7m). Moderate albite alteration 127.4m, 128.2-129.5m, & 135.4 – 136.1m. Faulted lower contact.	ser (1) alb (1) cb (2)	–		cb (1)				
135								136.1m, 0.05, gouge, 30° to [illegible]		F ga	
			136.1 – 153.0m. Bluish grey to yellowish grey, massive, vesiculated basalt. Vesicles typically sub-spherical, 2-8mm, & calcite filled.	cb (1) ser (1)	thin (< 1cm) massive ga vein @ 136.2m.		cb (1)				
140	VMBA		From 140m, amygdaloidal with irregular amygdales (to 3cm) with calcite rims & qtz cores (sporadically [illegible]). Vesiculated zones generally bleached.	cb (1) ser (1)			cb (1)				
145			From ~148m, weak to moderate albite alteration. Gradational lower contact.	alb (1)			cb (1)				
150											

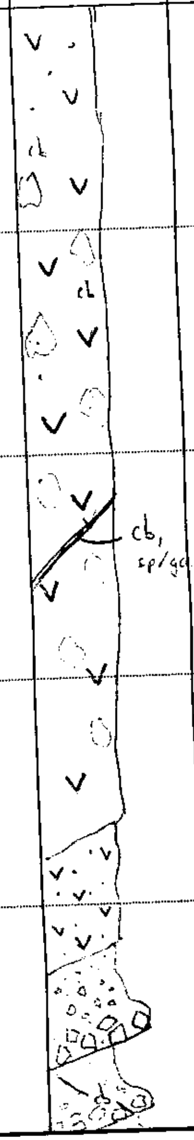


PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	BOC 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	MICK CHIRVA	Date	22/5/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log
150	VMBA	bluish grey	136.1 – 153.0m Bluish grey, massive, amygdaloidal basalt. As above	ab (1) cb (1)			cb (1)			
155			153.0 – 168.1m Bluish grey to yellowish grey, massive,							
160	VBBR	bluish gy to yellowish grey	basaltic breccia (pseudo-breccia?) Comprises subangular to angular fragments of f.g. basalt with cb-ser matrix. Sporadic vesiculated 'clasts'. (e.g. 161.7m)	ser (1) cb (1)			cb (1)			
			3 cm calcite vein @ 162.2m with colloform l-med brown sph + ga.	ser (1) cb (2)	sph/ga in cb vein @ 162.2m.	162.2m Cb Vn 30° to lca	cb (1)			
165			Sericite alteration (partially repressed) increasing downhole.							
							cb (1)			
170	VMBA		168.1 – 171.2m Light bluish grey to olive grey, massive vesicular basalt.	ser (1)			cb (1)			
			Subrounded vesicles (to 1cm) filled with calcite.	cb (1)						
175	CESA	gr gy	171.2 – 176.5m Greenish grey, poorly sorted, coarse to v.c grained, polymict volcaniclastic mass flows. Broadly graded uphole. Subangular to angular clasts.	ser (1)			cb (1)			



PASMINCO EXPLORATION — **DIAMOND DRILL HOLE LOGGING**

Hole_ID	Boc 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	Mick Skinka	Date	22/5/05

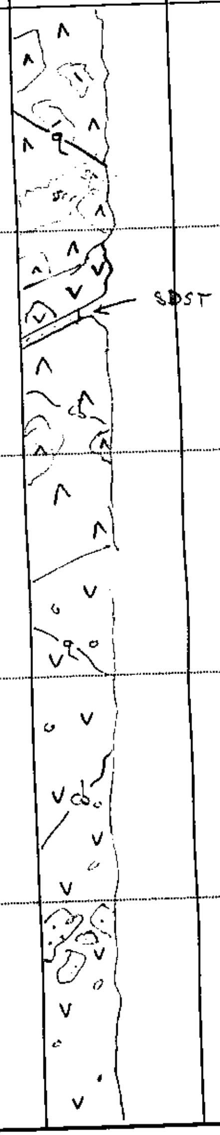
Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
175	CESA	l. gy	171.2 - 176.5m As above. Fine - med gr from 175.5m.								
180	VIAN	gn gy - y gy	176.5 - 182.8m Greenish grey to yellowish grey massive [illegible] andesite to andesitic breccia. Weak fragmental texture defined by sericitic matrix. [illegible] phenocrysts to 1mm Minor cb in amygdales.	se (1) se (1)	– –		cb (1)				
185 190	VMBA	bluish grey, to greenish gy	182.8 - 196.0m Bluish grey to greenish gr, massive, weakly vesiculated, basaltic andesite to basalt Breccia textures @ 185 - 186m, 188 - 189m Vesiculated/amygdaloidal intervals have calcite infill Small fault @ 190.7 - 190.8m. w. Sporadic weak albite alteration Minor wispy qtz-sericite veinlets	cb (1) se (1) ab (1) se (1)	– Rare tr gn		qtz-se (1) qtz/se (1)	190.7, 0.1, gouge, 60°			
195											
	CMMF	gn-gy	196.0 - 198.5m Green grey, brecciated andesite to f gr x-stal [illegible] volcaniclastic. Andesitic fragments in a [illegible] matrix	cb infilling cavities	–						
200	VXBR	gn-gy y gy	198.5 - 205.3m Greenish grey to yellowish grey volcanic breccia	chl (1)	tr py tr sph		qtz (1)				

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	Boc 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	Mick Skirka	Date	23/5/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
200	VxBa	gn gy - Y gy	198.5 - 205.3m As above. Irregular clasts (to 6cm) of amygdaloidal andesite & qtz phyric rhyolite? or qtz-ser altered andesite. Trace cpy/sp assoc with qtz veins. Strong qtz-ser alteration 202.9 - 203.3m. Chloritic bottom 20 cm.	ser (1) sil (1)	trace sph/cpy		200.6m Qv 53° to l.c.a.				
205	VMBA	gn gy	205.3 - 206.5m Greenish grey, massive, vesiculated basalt to basaltic andesite breccia	cb (1)	py: 1% tr sph						
	VIAN	gn gy	206.5 - 212.0 Greenish grey, fsp phyric andesite. 10 cm laminated sdst 206.5 - 206.6m. Minor vesiculated volcanic fragments & minor bx zones with cb matrix.		tr sph	206.5m So 36° to l.c.a	cb (1)				
210			Minor cb veining	cb (1)							
	VMBA		212.0 - 238.6m Greenish grey to black grey, massive, amygdaloidal basalt to basaltic andesite. Minor intervals of andesite/basalt breccia (eg: ~20m 221m).	ser (1)	tr py		qtz (1) cb (1)				
215			Minor strongly altered qtz-sericite intervals (213.5, 214-214.5, 217-217.2m). Amygdales filled with calcite, subrounded to rounded, to 1 cm.	ser (1)			cb (1)				
220			Minor qtz veining assoc with qtz-sericite alteration. Minor irregular cb veins	ser (1)	trace cpy/ga		cb (1)				
225											



PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID BOC 3	Project Bore
Hole_Type DDH	Tenement_No.
Year 2005	Prospect NORTHWAY
Geologist MICK SHARMA	Date 24/5/05.

10/22

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log
225			212.0 – 238.6m. Greenish grey to bluish grey, massive, amygdaloidal basaltic andesite. Subrounded to spheroidal, calcite filled amygdales (1o 1cm). Minor rounded vitric inclusions (<1cm)	ser (1)	tr spt/gn.	227.4m Cb Vn 80° to l.c.a.	cb (1) +/- sp/gn.			
230						231.2m: qtz-ser. band: 72° to l.c.a.				
235	VMBA / VIAN	bluish gy / l. greenish gy	Sporadic bands (3cm-8cm) of light green - yellowish grey, qtz-sericite alteration. Bands typically ⊾ 70°-75° to l.c.a. Minor irregular calcite veins	ser (1)			cb (1)			
240			Trace sp/gn assoc with cb veins. 238.6m – 245.4m. Bluish grey, massive, 1sp phyric, amygdaloidal andesite to andesite breccia. Variably altered, particularly 1sp glass-crystals & fragments in brecciated intervals. Minor sericite alteration. Pepperitic from 244m. Broken/veined lower contact (Fault?)	cb (1) ser (1)	trace-minor spt to 240m. trace to spt.		cb (1)			
245	VIPH / VMBR	Bluish gy.						245.3, 0.1 calcite, 65° to l.c.a.		
250	VIAN	olive grey.	245.4 – 260.0m. Olive grey, massive, amygdaloidal, vitric andesite / basalt. Calcite filled amygdales & rounded vitric fragments (<1mm)	ser (1)	~1% spt/gn to 246.2m		cb (1)			

PASMINCO EXPLORATION — **DIAMOND DRILL HOLE LOGGING**

Hole_ID	BOC 3	Project	POCO
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	HOLLWAY
Geologist	MICK SKIRKA	Date	25/5/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
250	VIAN	olive grey.	245.4 - 260.0 m. As above. Olive grey, massive, amygdaloidal, vitric andesite. Subrounded to rounded calcite filled amygdales (to 2 cm, typically 2-5 mm). Small (< 2 mm) subrounded chlorite patches (vesicles? / altered vitric fragments?). Sporadic, yellowish grey, bleached qtz-sericite alteration eg: 253.5 - 254 m. Sharp lower contact @ 15° to core	ser (1); ser (1)	[illegible] trace py; tr py	Contact 15° to core	cb (1); cb (1) qtz (1)				
255											
260	VEBR	olive grey - bluish grey & yellowish grey	260.0 - 267.1 m. Varied interval of volcanic breccia comprising: amygdaloidal & vesicular basalt / andesite, [illegible] & [illegible] phyric andesite fragments. Weak to moderate sericite alteration particularly in breccia matrix.	ser (1); ser (1)	tr py; -		cb (1); cb (1)				
265											
	VMBA	olive grey	267.1 - 270.0 m. Olive grey, massive, vesiculated basalt. Chlorite filled vesicles (to 1 mm) & calcite filled amygdales (to 3 mm).	ser (1)	-		cb (1)				
270	VEBR	olive grey to greenish grey	270.0 - 274.0 m. Variable interval of [illegible] phyric andesite, amygdaloidal andesite & [illegible] with a pseudo breccia texture. [illegible] alteration [illegible]	ser (1) cb (1)	-		cb (1)				
275			274.0 - 296.5 m See below								

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	Boc 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	HOLLWAY
Geologist	NICK SHIRKA	Date	24/5/05

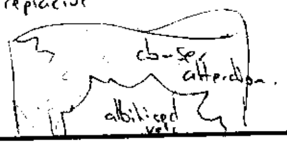
12/22

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
275			274.0 - 296.5m. Pale purple to [illegible] green blocky, variably altered andesitic breccia. Comprises angular 'blocks' of amygdaloidal andesite, vesicular basalt & porphyritic andesite. Moderately altered albite/hematite?	alb (2) ser (1)			cb (1)				
280											
285	VIAN - VNBR	pale purple -	Variable alteration. Brecciated intervals have carbonate matrix/some silica altered. Calcite filled amygdules.	alb (2) ser (1)	rare trace disseminated py		cb (1)				
290		pale grey.	Common irregular cb veins	alb (1) ser (1)			cb (1)				
295				alb (1) ser (1)			cb (1)				
300	VIAN / SSSI.	mixed.	296.5 - 300.9m. Highly variable interval comprising moderately strongly albite-hematite altered porphyritic and/or vesicular andesite, massive sericite & brecciated, albite altered volcanic.	alb (2) ser (2)			cb (1)				

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	Boc 3	Project	Boc
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	Mick Skirka	Date	24/5/05

13/22

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
300			296.5 - 300.9m : See above.					301.2, 0.05, bx, ?			
	MTSC	olive grey - pinkish grey	300.9 - 303.1 m Light olive grey to pinkish grey, qtz-cb-ser schist. Small fault with bx @ 301.2m Angular qtz-ser fragments in qtz-cb matrix.	ser (2) qtz (2) cb (2)	tr galena &/or sph	302.0m S₁ : 45° to l.c.a.	qtz (1) cb (1)				
305	MTSC	pinkish grey	303.1 - 307.6 Pinkish grey, pervasively altered qtz-alb-ser-cb rock / schist. Massive to pseudo-breccia texture. Minor qtz veining. Trace - minor galena assoc. with qtz veins.	sil (2) alb (2) ser (2) cb (1)	tr galena tr : py		qtz (1)				
	FZ.		307.6 - 309.2m: Qtz Vein ; 307.6 - 308 cm; brecciated host rock : 308 - 309.1m ; & gouge 309.1 - 309.2m Sharp lower contact		tr - minor galena [illegible]	Contact, 68° to l.c.a	qtz (2)	309.2m, 0.1, gouge, 68° to l.c.a.	FAULT ZONE		
310			309.2 - 317.7m.								
	MTSC	med gy to yellowish grey	Med grey to yellowish grey, irregularly banded, qtz-ser-cb schist. Comprises angular, irregular qtz-ser altered fragments in a yellowish grey, [illegible] qtz-cb-ser matrix. Minor pyrite as sporadic [illegible] aggregates, Trace sph/ga assoc with qtz veining	ser (3) cb (2) sil (1)	py : 1% tr : sph/ga.		qtz (1)				
315			Qtz - Mn cb vein @ 317.0m. Possibly [illegible] breccia precursor ?.				cb-qtz (1)				
			317.7m - 328.2m Similar to above but with increasing albitic alteration. Local silicification.	ser (2)	tr : sph in qtz vein		qtz (1)				
320	MTSC	Varied.	Appears to be an early albite alteration overprinted by intense ser-cb alteration. Partially replacive 	cb (1) alb (1) sil (1)			rhodochrosite vein @ 319.5m.				
325											

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	Boc 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	Hockway
Geologist	MICK CHIRKA	Date	26/5/05

14/22

Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
325	MTSC	Varied.	327.7 - 328.2m : As above. Intense qtz-ser-cb alteration overprinting/ replacing albitised volcanic	Ser (2) cb (1) clb (1)						Ser cb. clb.
			328.2 - 345.3m: Reddish orange, massive to weakly ~~foliated~~, moderately albitised, andesite? Locally intense albite alteration. Sporadic bleached, silicified zones eg: 330.3 - 331m & sporadic zones of moderate green sericite alteration eg: 333.7m, 341.2m.	alb (2) sil (1) ser (1)	tr py.		qtz (1)			cb clb
335	VIXX	reddish orange	Minor qtz & cb veining.	clb (2) sil (1) ser (1)	-		cb (1)			clb qtz cb
340			Diffuse lower contact.	sil (1) clb (2) ser (1)	tr py		qtz (1)			cb
345	VIAN	Red grey	345.3 - 350.0m Medium grey, massive, hornblende + fsp phyric, vesicular andesite. Vesicular 348 - 350m.	chl (1).	-		cb			chl
350										

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	Boc 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	HOLLWAY
Geologist	MICK SKIRKA	Date	26/5/05.

15/22

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
350			350.0 – 381.0m. Medium grey, massive, coarse grained, fsp-hornblende phyric andesite. Abundant clustered fsp phenocrysts (1-2 mm) & smaller irregular hornblende(?) phenocrysts (~0.5mm)	chl (1)	–		qtz (1)				
355			Hornblende phenocrysts altered to chlorite. Minor qtz veining	chl (1)	–	359.0: Qv: 25° to l.c.a	qtz (1)				
360	VIAN	med grey.		chl (1)	–		qtz (1)				
365				chl (1)	–		qtz (1) cb (1)				
370			Irregular cb veins & veinlets	chl (1)	–		qtz (1) cb (1)				
375											

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	BOC 3	Project	BOCC
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	Mick Skieka	Date	26/5/05

16/22

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
375	VIAN	med grey	350.0 - 381.0m. As above. Medium grey, massive, fsp-hornblende phyric andesite. Minor cb-so veins & veinlets	chl (1) so (1)	–		cb-so (1)			cb, so	
380	VIAN	med grey	381.0 - 386.3m Medium-dk grey, massive, andesitic lava. Similar to above however fsp phenocrysts have been overprinted by qtz-chl alteration. Weak-moderate albite alteration as selvedge to qtz veins	sil (1) chl (1) alb (1)	–		qtz (1)			q	
385			386.3m - 400.9. Varied interval comprising moderate to pervasively altered, massive to weakly foliated, volcanic rock (andesite?).	sil (2) alb (1) so (1)	–		qtz (1)			cb	
390	VFXX	pinkish gy - yellowish gy - med gy.	Moderate to strong silicification with sporadic zones of pervasive silicification (eg 395.1 - 395.7 m) Moderate albite alteration & minor zones of moderate sericite-chlorite alteration	sil (2) alb (1) so (1)	–		cb (1) qtz (1)			q	
395			Minor qtz-cb veins & cb-chl veins	sil (2) alb (1) so (1)	–	400.0 Foliation 60° to c.a.	cb (1) qtz (1)			q, cb	
400											

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	BOC 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	HOLLWAY
Geologist	Mick Skirka	Date	28/5/05

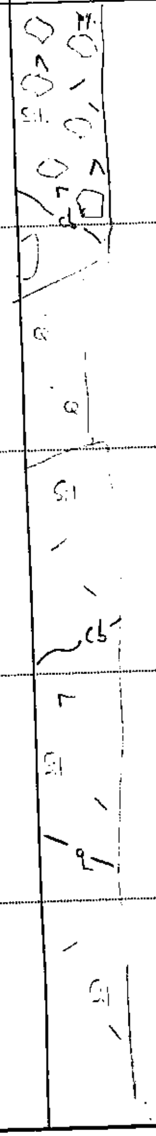
Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
400	VBS	n.a.	386.3 – 400.0m As above.								
		light greenish grey	400.0 – 411.5m Light greenish grey to yellowish grey, massive, qtz-sericite-chlorite altered rock. Moderate silicification @ 400.0 – 401.3m. Minor relict ?porphyritic texture.	Sil (2) ser (1) chl (1)	tr pyrite		qtz-cb				
405	MTXX	yellowish grey	Minor qtz-cb veining. Pervasive silicification from 407.0m – 408.7m. Possibly felsic lava precursor (?)	sil (2) ser (1) chl (1)	tr pyrite		qtz-cb				
410											
			411.5 – 425.0. Yellowish grey to light greenish grey, massive to weakly foliated qtz-sericite schist.	Sil (2) ser (1)		412.5m S1 50° to c.a.	qtz (1)				
415	MTSC	yellowish grey to light greenish grey	Moderate to strong silicification & minor sericite alteration. Relict flow banded texture 411.5 – 412m & 413.5m	sil (2) ser (1)	tr diss PY		qtz (1)				
420			Pervasive silicification 422.0 – 425.0m. Thin qtz veinlets.	sil (2) Ser (1)			qtz (1)				
425											

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	Boc 3	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	Holloway
Geologist	Mick Skinner	Date	21/5/05

18/22

Depth	Lithology Code	Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
425–430	VXBR	med gy – Y gy	425.0 – 430.8m Med. gy grey to yellowish grey, massive, siliceous, altered volcanic breccia or pseudobreccia. Moderate to pervasive silicification. Minor sericite-chlorite alteration @ 427.2m & albite alteration. Trace to minor blebby pyrite (<1%).	sil (2) ser (1) chl (1)	trace pyrite		cb (1)				
430–435	MFXX	yellow gy	430.8 – 434.8m Yellowish grey, massive & general quartzite. Pervasive silicification.	sil (3)	—		qtz (1)				
435–445		yellowish gy	434.8 – 448.7m Varied interval of strongly altered, siliceous, qtz-sericite rock. Probable felsic volcanic precursor however primary texture overprinted by pervasive silicification & moderate sericite alteration.	sil (2) ser (2)	—		qtz (1)				
	MFXX	pink gy – greenish grey	Minor qtz & cb veinlets. Green sericite alteration to 436m	sil (2) ser (2)	—		cb (1)				
445–450			Rare relict phyric texture. Felsic lava precursor?	sil (2) ser (2)	—						
450	MXBR		448.7 – 452.3m see below								

DDH_Drillhole_Logging_Input_6may98.xls

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	BDC 3
Hole_Type	DDH
Year	2002
Geologist	MICK SKIRKA
Project	
Tenement_No.	
Prospect	
Date	21/5/02

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
450	MXBR	light – med green	448.7 – 452.3m: Sericite breccia. Angular light green sericite fragments in a moderate green sericite/chlorite matrix. Fragments minor dolomite/carbonate breccia fragments	ser (3) chl (1)	tr spl/ga (~1%)		qtz (1)		Broken/ Fractured		
455	MTXX	gn – Y gy	452.3 – 456.3m: Qtz-Sericite rock. Massive, green to yellowish grey, fine grained qtz-sericite rock. Trace to minor light brown spl as small veinlets & blebs.	ser (2) sil (1)	tr-minor spl (1%)		ser (1) qtz-chl (1)				
	MTBR	Y-gy to mod gn	456.3 – 458.7m Carbonate-sericite breccia. Carbonate/dolomite fragments in sericite/chl matrix.	cb (2) ser (2)	tr spl/ga (<1%)						
460	MTXX	light gn to gn gy	458.7 – 464.4m Massive, light green to greenish grey, fine grained qtz-sericite rock. Minor qtz-cb veining with trace-minor spl/ga (~1%) Minor fine-g pyrite as wispy stringer veins.	sil (2) ser (2)	1%: spl/ga 2%: Py		qtz-cb (1) Py (1)				
465	MTXX	light gn to gn gy	464.4 – 467.0m As Above with minor c-gr, light brown spl/ga as veinlets, irregular stringers & blebs		spl/ga ~3%						Massive Sulphide Vein
			467.0 – 468.0m: Massive spl/ga with ser-qtz-chl fragments foliation banding	sil (1) ser (2)	spl/ga ~40%		spl/ga.				
470		med	468.0 – 472.8m: Medium grey massive to pseudo brecciated fine-grained sericite rock.	sil (1)	Py: 2-3%		qtz (1)				
	MTXX	gy	Common fine-g wispy pyrite stringers spl/ga assoc with qtz-cb veining.	ser (2)	1%: spl/ga		cb (1)				
475	VFXX	green gy to olive grey	472.8 – 483.7m Greenish grey to olive grey, massive to weakly banded, fine-g siliceous volcanic?	sil (1)			qtz (1)				

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	Boc 3.	Project	Boco.
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	Highway
Geologist	Mick Skirka	Date	7/6/05.

Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
475	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
	VFXX	gr gy / dive grey	472.8 - 483.7m Greenish grey to olive grey, massive to weakly banded, fine grained, siliceous felsic (?) volcanic rock Sporadic relict feldspar phyric texture	sil (1) alb (1) ser (1)	py: tr - 1% sph/gn: trace		qtz (1) qtz-cb ± chl (1)				
480				sil (2) alb (1) ser (1)	py: trace sph: rare tr.		qtz (1) cb-qtz (1)				
485			483.7 - 495.6m								
490	VFRH	pk gy	Pinkish grey to yellowish grey, massive to weakly banded, fine grained, rhyolitic (?) volcanic rock. Moderate silicification & pinkish albite (?) alteration	sil (2) alb (2) ser (1)	trace py		qtz (1) qtz-cb (1)				
495		yellowish grey	Generally fine grained with minor intervals containing relict phyric texture (eg: 494.4m) Silicification intense from 493.8m	sil (2) alb (1) ser (1)	Rare trace py		qtz (1) qtz-cb (1)				
500	VFXX	green gy - pk gy - y grey	495.6 - 501.8m Greenish grey to pinkish grey to yellowish grey, weakly banded, siliceous, fine-med grained felsic (?) volcanic rock Flow Banded rhyolite (?)	sil (2) alb (1)	Rare trace py	498.8m. Banding 75° to l.a.	qtz-cb (1)				

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

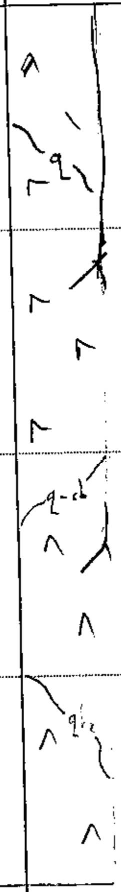
Hole_ID	BOC 3	Project	BOCO
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	HOLLWAY
Geologist	MICK SKIRKA	Date	7/6/05

21/22

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log
500	VFXX	a.a	495.6 – 501.8m: As above. Minor med grained fsp phenocrysts. Banding overprinted by mod. sil. & sporadic strong alb. alteration	Sil (2) Ser (2) alb (1)	Rare tr. py		qtz-cb (1)			
		reddish orange	501.8 – 508.8m. Reddish orange, pinkish grey & medium grey, medium – coarse grained, massive, fsp phyric felsic (?) volcanic	alb (2) Ser (2) Sil (1)	–					
505	VFXX	pk gy – med gy	Fsp Phyric Dacite ? Moderate – strong sericite – albite alteration. Weak silicification. Brecciated near lower contact	alb (2) Ser (1) Sil (1)	–	509.3m Banding 80° to l.c.a.	qtz-cb (1)			
510	VFRH	yellowish grey	508.8 – 520.5m. Yellowish grey, weakly banded to massive, f.g., siliceous, flow banded rhyolite. Vesicular / pumiceous at top contact (to 509.5m)	Sil (2)	–		qtz (1) qtz cb (1)	511.8m, 0.02, gouge, ?		
515			Breccia texture @ 518.3m	Sil (2)	2-3% ga/sph 509.4 – 511.8m assoc. with cb veining –		qtz-cb (1)			
520	VFXX	l gn gy – gn gy	520.5 – 531.7m. Light greenish grey to greenish grey, massive, f.g. siliceous, felsic volcanic rock. Mod – strong silicification. Weak ser – alb alteration. Sporadic relict fsp phyric texture	Sil (2) Ser (1) alb (1)	tr py		qtz (1)			
525										

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	Boc 2	Project	Boco
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	Holloway
Geologist	Mick Skirka	Date	7/6/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log
525	VFXX	lgr gy - gr gy	520.5 - 531.7m. As above. Massive, f.g siliceous, felsic volcanic. Minor irregular qtz veins & veinlets	Sil (2) ser (1) alb (1)	tr py		qtz (1)			
530										
535	VFXX	y-gy to pk gy	531.7 - 537.4m. Yellowish grey to pinkish grey, massive, f-med grained fsp phyric felsic (?) volcanic rock. Weak-mod silicification & albite alteration. Relic albitised fsp phenocrysts. Rhyolite - Dacite precursor?	Sil (1) alb (1) ser (1)			qtz-cb (1)			
540	VIXX	reddish orange - bluish grey	537.4 - 544.4m. Reddish orange to bluish grey, med-coarse grained, massive fsp phyric, intermediate (dacite-andesite?) volcanic rock	Sil (1) alb (2) ser (1)	tr sph/gn @ 439.2m		qtz-cb (1)			
545			EOH @ 544.4m.							
550										