1/28

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS7	Project	Queenstown
Hole_Type	DIAMOND	Tenement No.	EL 6/98
Year	1999	Prospect	Beatrice
Geologist	KPD	Date	6/1/98

Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log 2 / 4 / 8 / 16	preferred std field	preferred std field
			0.0 - 109.3m.					
			Quartz feldspar phyric porphyry.					
			Large partially resorbed quartz phenocrysts to 5mm and pinkish feldspar typical 2-4mm but occasion crystal clots to 10mm. Less					
5			Hornblende (1%) altered to mica.					
10								
15								
				green				
				chlorite?				
			- Box					
20					0% Imm Qtz-Chl?			

645117

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS7	Project	Q'town
Hole_Type	DIAMOND	Tenement_No.	EL 698
Year	1999	Prospect	Beatrice
Geologist	KPD	Date	5/1/99

274

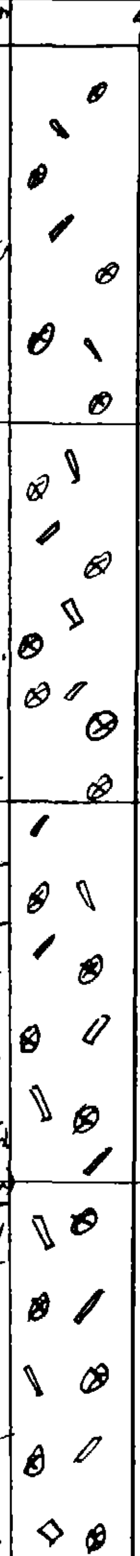
Depth	Lithology Code	Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log (2, 4)		preferred old field	preferred old field
				green	15mm Breccia ± Carb				
		301		Chlorite?					
25		302	24-27.5m minor thin brecciated zones. Porphyry clasts to 15mm cemented by pyrolusite and limonite.						
		303							
		304							
			28.5 - 88.5m. Red Pink altered QFP,	Red Pink	070 qtz-fill -chl?				
30				Feldspar K?,	085				
			33.0- 35.5m similar breccia to 24 - 27.5m.						
35					070 Qtz,Chl?				
40									

645118

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	O'Toun
Hole_Type	DIAMOND	Tenement_No.	EL6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	5/1/99

Depth	Lithology Code	Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log		preferred alt field	preferred alt field
45			- 43m FØx	Red Pink, K/feldspar?	40mm 020° carb				
50			48 - 67.5m (minor 2mm) 3-10mm qtz-carb. ± Chlorite veins at > 70° VCA		052° 10mm qtz-carb; 070° qtz-carb-chl				
55					073 Qtz, Carb, Chl				
60			- minor malachite in veinlet		075 (2mm) qtz-carb-chl; 082 Qtz, Carb, Lpar; 20mm chl-qtz-carb				



645119

4/28

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

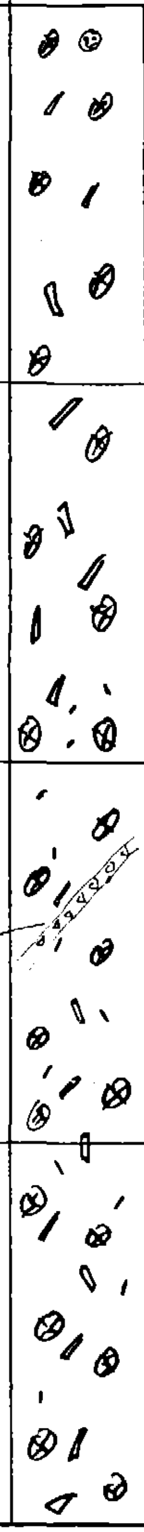
Hole_ID	MS 7	Project	Olivine
Hole_Type	DIAMOND	Tenement_No.	EL 6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	5/1/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log 2 4		preferred old field	preferred old field
					Qtz Carb Py (10mm)				
				Red-Pink					
65			64.5 – 66.4m broken + faulted porphyry	K-feldspar					
			small 10cm breccia zone above and below the fault.		Qtz Py				
70			69.6 - 70.1 & 70.8 - 71.4m faulted and brecciated zone, brecciated cemented by calcrete.						
75									
80					Qtz Carb Chl ser?				

645120

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID MS7	Project O'Kum
Hole_Type DIAMOND	Tenement_No. EL6/99
Year 1999	Prospect BEATRICE
Geologist KPD	Date 5/1/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log		preferred std field	preferred std field
85			* Sample for IP testwork	Red-Pink K-feldspar					
90			89.5 – 109.3m relatively unaltered, hornblendes still intact	unaltered					
95				hornblende still intact.	0.45 Carb-minor sericite; Breccia Carbonate sutured				
100									

645121

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Q'town
Hole_Type	DIAMOND	Tenement_No.	EL 6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	5/1/99

274

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log	STRUCTURE	preferred ald field
105								
110		109.3 305	minor sericite alteration at contact, weakly peppenitic, 109.3 - 231.8m black shale.					
		306	109.3 - 114m disrupted shale, small breccia zones, micro faulted bedding. 109.3 - 125.4m : 25% sandstone interbeds.				So 046	
115		307					So 052 So 056	
		308	* black shale geochemistry sample		0.70 Carb		So 048	
		309					So 050 So 055	
120		310	* Sample for IP testwork. Graded bedding - flame structures downhole facing.				So 056	

-50°/20

645122

7/28

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Q'ton
Hole_Type	DIAMOND	Tenement_No.	EL 6/98
Year	1999	Prospect	BERRICE
Geologist	ICD	Date	5/1/99

Depth	Lithology		Comments	Alteration	Mineralisation	Graphic Log	preferred old field	preferred old field
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %	2 4		
		311					50/59	
		312					50/55	
125		313					50/56	
			125.4m – black shale, minor creamy white sediment interbeds				50/62	
		314						
		315			15mm qtz-carb @ 21°			
130							50/76	
		316	25cm shear zone				50/22	
		317					50/45	
135		318						
							50/45	
		319						
		321						
140								

645123

8/28

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS7	Project	Q'town
Hole_Type	DIAMOND	Tenement No.	EC 6/88
Year	1999	Prospect	BEMARKS
Geologist	ISPD	Date	5/4/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log	preferred std field	preferred std field
		322					50/52	
		323						
145		324						
		325						
		326						
150								
		327	minor sandy units with abundant fine pyrite, uphole facing.				50/36	
		328						
155		329					50/58	
		330			50ma 050 coal/qtz			
160		331					50/78	

140.2m sized down from HQ → NQ

645124

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

9/28

Hole_ID	MS7	Project	Q'town
Hole_Type	DIAMOND	Tenement No.	6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	5/11/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log	preferred old field	preferred old field
		332						
					40mm / 37°			
		333	162.9 - 169.0m badly broken and faulted vuggy qtz veined black slate.		Carb-qtz 15mm / 18°			
165		334					50 / 50	
		335						
							50 / 51	
170		336						
		337					50 / 48	
		338			34 / Qtz-Carb			
175		339						
			* Sample for IP testwork				50 / 50	
		341						
							50 / 10	
		342						
180								

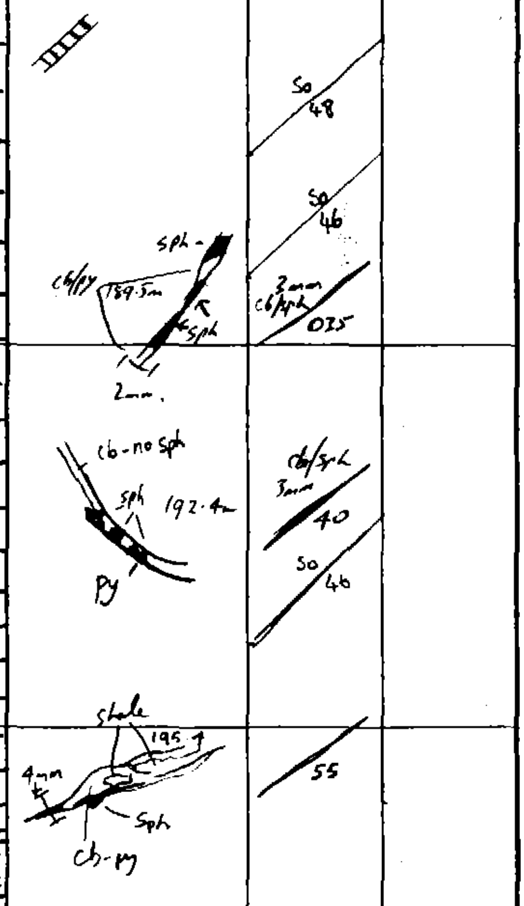
645125

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS7	Project	Q'town
Hole_Type	DIAMOND	Tenement No.	6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	5/1/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)
		343			38/ Qtz-Carb
		344			
		345	30mm - coarse framboidal pyrite - carbonate veinlet.		66 Qtz Carb; py/Carb 30mm / 005°
185		346	*		
		347	From 184 - 196m reddish sphalerite and minor galena in minor carbonate veinlets (<5mm), black shale is tarnished yellow green - altered?,	yellow-green tarnish, sericite?	35/ Qtz, Carb shale
		348			
		349			
		350			
190		351			
		352			
		353			
		354			
		355			
195		356			
		357			
		358	- 196.4 - 197.2m - quartz carbonate veined pug fault.		
		359	197.8m galena/sph in minor carbonate veinlet.		qtz-carb
		361			
200		362			/020

Graphic Log:



Or. 185.1	3mm cb/qtz x3	357/78W,
185.2	So?	62/74W,
185.9	So?	004/83W,
186.7	So?	000/61W,
187.4	So	001/82W,

645126

MS7 orientated core:

Depth	Azimuth (true)	dip	feature
185.1	357	78W	3mm py/qtz(x3)
185.2	62	74W	So?
185.4	167	20E	Cb
185.5	181	82E	Sph,qtz,cb
185.6	351	87W	Sph,qtz,cb
185.8	351	87W	Sph,qtz,cb
185.6	151	15E	2mm Cb
185.7	193	77E	3mm Cb-qtz-sph-ga
185.9	4	83W	So?
185.9	3	83W	Cb,py
185.9	205	50E	Cb
186	183	081W	fracture
186.1	66	60NW	cb-py
186.1	6	85W	cb-qtz
186.4	1	63W	py-cb
186.7	0	61W	So?
186.9	172	82E	qtz-cb
187.4	1	82W	So
310.9	45	46E	So
310.8	175	82E	1mm Cb
311	160	46E	So
311	340	40W	1mm Cb
311	330	74W	So
311.8	110	61E	Cb vein
354.3	180	72E	S1
355.2	325	74W	5mm shear
355.7	1	74W	S1
356.4	34	76W	So
356.6	59	70W	So
357.1	39	60NW	1mm cb
357.3	320	35E	1mm cb
357.3	352	34W	1mm cb
357.4	137	55W	1mm cb
357.5	155	79W	1mm cb
357.7	150	85W	1mm cb
357.8	315	15E	2mm qtz-cb-sph-ga
357.6	37	74W	So?
357.95	145	72W	S1
357.9	170	76W	2mm Cb
357.9	340	22E	qtz-cb-sph-ga

645127

11/28

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS7	Project	Q'town
Hole_Type		Tenement_No.	EL6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	5/1/99

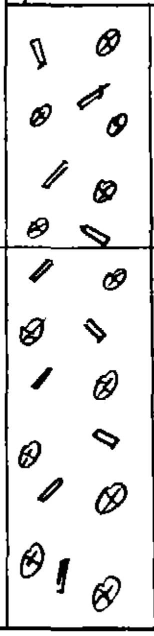
Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log	preferred old field	preferred old field
		363					50/42 Cb/24	
		364					50/54	
205		365					Cb/25	
							50/52	
		366						
		367						
210								
		368	211 – 224.6m. Numerous q/z-carb veinlets + veins to 22cm		5mm/orB	5mm Cb Shale.	5mm Cb/25	
		369					50/70	
215		370					Cb/10	
		371			15m/023		15mm Cb/qtz/11	
		372					7mm Cb/15	
220								

645128

12/28

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS7	Project	Q'town
Hole_Type		Tenement_No.	EL 6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	5/1/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration: Up to 3 codes w. intensities (1-3)	Mineralisation: Up to 3 codes with %	Graphic Log		preferred std field	preferred std field
		373			63; 25cm of carb				
		374						S0/80; cb th 10m /10	
225		375						S0/82; S0/80	
		376							
		377							
230		378	*230.5m: Black Shale geochemistry sample. 331997					Py-Carb 76°; Py-Carb 78°	
		379	– 231.8 – 254.0m quartz/feldspar porphyry, weakly porphyritic base + top = intrusive. unaltered hornblendes still present.						
235			The phenocrysts are locally aligned.					cb 15; 35 cb/qtz; Qtz Carb Chl /24	
240									

645129

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

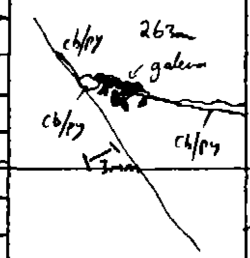
Hole_ID	MS7	Project	Otter
Hole_Type	DIAMOND	Tenement No.	EL 6/48
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	6/1/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log	preferred old field	preferred old field
						4		
							2D/Carb-Sil ?	
							2B/(10cm) Qtz, Carb Chl	
							2B/Stone	
							2T/Carb Chl	
245								
							2/Qtz Carb Chl	
							2S/Qtz Carb	
250								
		381						
			254.0 – 255.8m					
255		382	Semi massive black shale.					
			255.8 – 261.2m.					
			quartz-feldspar porphyry, well developed pervasive from 255.8 – 256.4					
		383						
		2584						
		384						
260		eg.						

645130

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Q'town
Hole_Type	DIAMOND	Tenement_No.	EL 6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	6/1/98

Depth	Lithology Code	Lithology Colour	Comments	Alteration: Up to 3 codes w. intensities (1-3)	Mineralisation: Up to 3 codes with %	Graphic Log	preferred old field	preferred old field
		384				B ⊗	10mm qtz/cb 50/20	
		385	261.2 – 315.1 m. Black Shale. Fairly massive, locally sandstone clast? with abundant pyrite.					
		386	263m: galena rich 2mm carbonate veinlet from 261.2 – 286.0m. series of minor 2.3mm carbonate veinlets		263.5m ga. 65° carb Reddish sph; 60mm 32° qtz. carb.		5mm cb 10	
265		387					50/70	
		388			Carb-Qtz 58°		50/65; 50/62	
270		389						
		390			35° C.10			
		391	* Orientation mark,		28 Qtz-Carb			
275		392						
		393					50/50	
280		394						

645131

15/28

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Q4
Hole_Type	DIAMOND	Tenement_No.	EL 6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	6/1/99

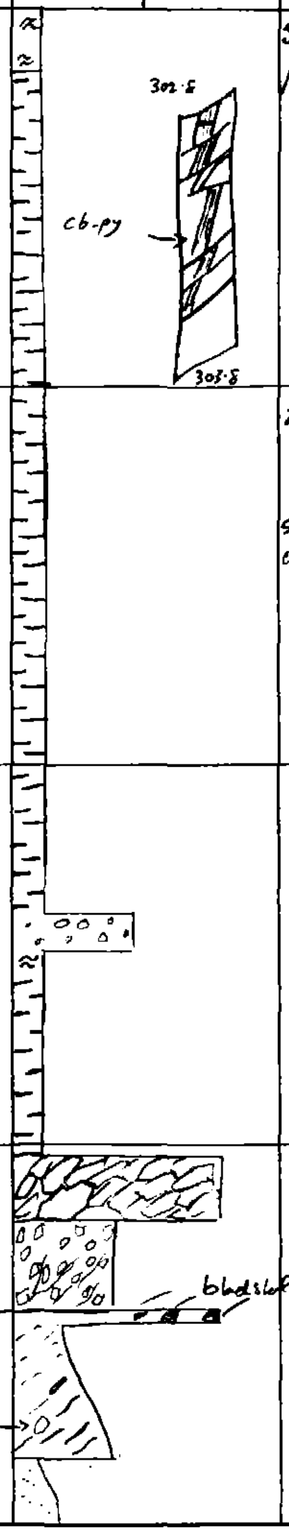
Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log	Structure	
			283-284.2 – broken core minor py - weak fault.					
		395						
		396						
285					7% py-carb			
		397					50/50°	
		398					57° py-carb	
290		399						
		401	py sandstone,				50/39°	
		402			60mm carbonate vein		45/20mm shear	
		403					90° carb 22° 50/38°	
		404					58° Qtz-Carb	
300			299.5-300.9m highly broken core + py fault.					

645132

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Q'Town
Hole_Type	DIAMOND	Tenement_No.	EL6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	6/1/98

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log	preferred std field	preferred std field
		405	300-317m pyrite. 301-310m series of 3-5mm carbonate py veinlets.	py (↑)		302.8	50/20	
		406	303m: 10cm bedded carbonate bed with abundant pyrite - offset by numerous faults			cb-py →		
305		407		(↓)		303.8		
		408		py (↑)			2mm py/cb. /043	
		409					5mm cb/py /022	
310		410					10mm cb /052	
		411	* Sample for IP testwork. * black shale geochemistry 5/10/99. lithic fragments (volcanic + black shale) and quartz phenocrysts, minor matrix. 317.9-317.2m broken core, minor pug.				10mm Qtz Carb 40	
315		412						
		413	315.1-316.1m: black shale / grey carbonaceous siltstone slabby breccia. minor matrix.					
		414	316.1-317.2m black shale breccia / pseudobreccia			blackshale		
		415	317.2 - 331.2m. Fiamme, crystal, lithic-rich flow. Massive unbedded top, clastic rich bottoms are predominantly	diss sph ass with cb rich material →	diss sph in cb clast →			
320		416		(↓)				



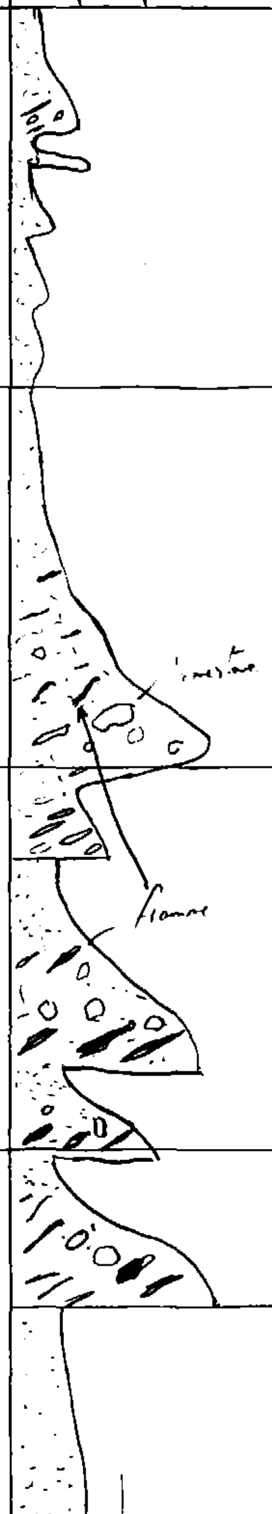
310.9 So 045/46E
311 So 160/46E
311 So 330/74W

645133

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	O'bourn
Hole_Type	DIAMOND	Tenement_No.	EL6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	6/1/98

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log (2 4)	Structure	preferred str field
		416	fiamme, thin lithics and some limestone. strong fabric in basal part of the unit.		cb/gn 74		15/Qtz Carb; cb/gn 74	
		417						
325		418			cb/gn/cp/py 015			
		419						
330		421						
		422						
		423	331.2 – 337.2m as at 317.2 – 331.2m but more fiamme.					
335		424					30mm qtz-carb 060°	
		425						
		426	337.2 – 351.1m interbedded ashy volcanic siltstone & fine grained volcanic sandstone, localized carbonate spotting.					
340		427						

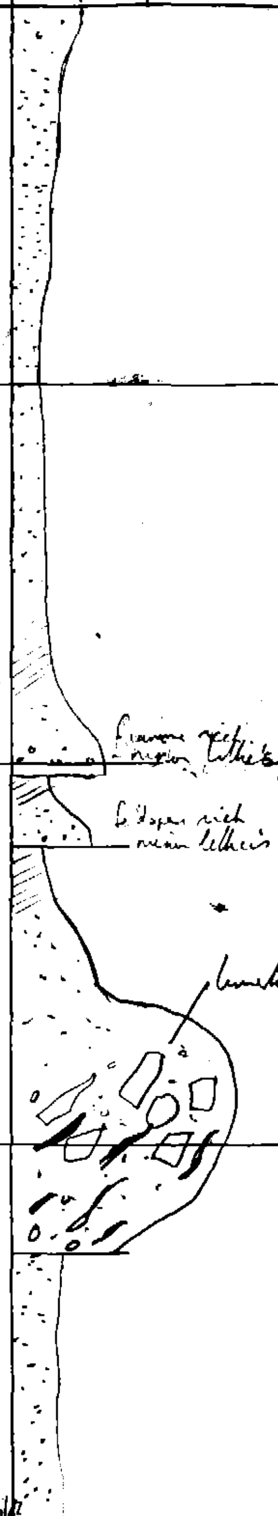


645134

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	O'town
Hole_Type	DIAMOND	Tenement_No.	EL 6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	6/1/98

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log (2 4)	[illegible]	[illegible]
		427					So/22°	
		428					5mm Cb/27	
345		429	* Sample for IP testwork					
		430		Carbonate spotting	40 Qtz Carb		So/37°	
		431		carbonate spotting	3% Carbonate		So/065	
350		432				Feldspar rich / mean lithics	So/045; 3mm Cb/40	
		433	351.1 – 356.4m. Graded limestone - crystal rich + lithic mass flow unit, Coarse base finely bedded top.			limestone	So/045°	
355		434	* Sample for IP testwork.					
		435					So/36	
		436	356.4 – 369.2m Interbedded ashy siltstone and sandstone as at 337.2 – 351.1m					
360					40 Qtz sulphide?			



354.3m S1 180/72E,
355.7m S1 001/74W,
356.4m So 034/76W,
356.6m So 059/70W,
357.95 S1 145/72W,

645135

MS7 orientated core:

Depth	Azimuth (true)	dip	feature
185.1	357	78W	3mm py/qtz(x3)
185.2	62	74W	So?
185.4	167	20E	Cb
185.5	181	82E	Sph,qtz,cb
185.6	351	87W	Sph,qtz,cb
185.8	351	87W	Sph,qtz,cb
185.6	151	15E	2mm Cb
185.7	193	77E	3mm Cb-qtz-sph-ga
185.9	4	83W	So?
185.9	3	83W	Cb,py
185.9	205	50E	Cb
186	183	081W	fracture
186.1	66	60NW	cb-py
186.1	6	85W	cb-qtz
186.4	1	63W	py-cb
186.7	0	61W	So?
186.9	172	82E	qtz-cb
187.4	1	82W	So
310.9	45	46E	So
310.8	175	82E	1mm Cb
311	160	46E	So
311	340	40W	1mm Cb
311	330	74W	So
311.8	110	61E	Cb vein
354.3	180	72E	S1
355.2	325	74W	5mm shear
355.7	1	74W	S1
356.4	34	76W	So
356.6	59	70W	So
357.1	39	60NW	1mm cb
357.3	320	35E	1mm cb
357.3	352	34W	1mm cb
357.4	137	55W	1mm cb
357.5	155	79W	1mm cb
357.7	150	85W	1mm cb
357.8	315	15E	2mm qtz-cb-sph-ga
357.6	37	74W	So?
357.95	145	72W	S1
357.9	170	76W	2mm Cb
357.9	340	22E	qtz-cb-sph-ga

135
85
40
250
240
OLC

235
271
304
329
309

645136

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS7	Project	O'Loughlins
Hole_Type		Tenement_No.	EL6/98
Year	99	Prospect	Beatrice
Geologist	KCD	Date	7/1/99

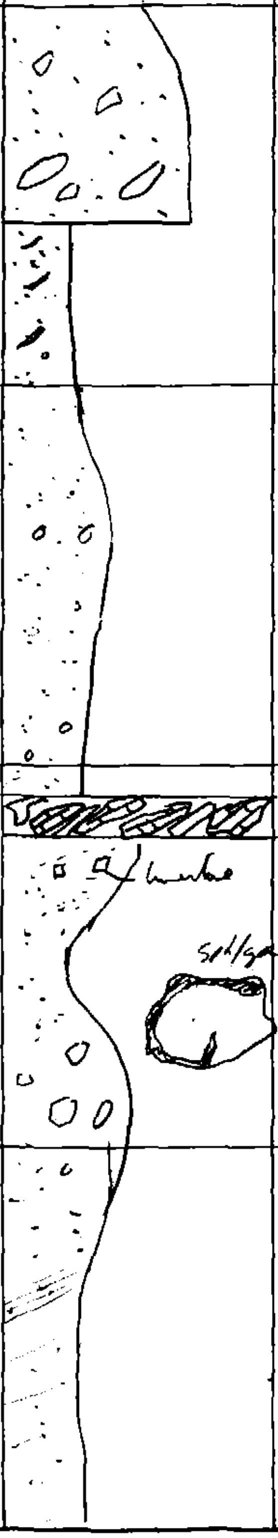
Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log 2 4		
		437	360 - 368.2m, galena fractures, veinlets + disseminations associated with chlorite alt'n.	↑	galena on fractures, in veinlets + disseminated		So/068	
		438		moderate chlorite				
365		439	galena on fractures,	altered			So/045	
		441						
		442		~~~				
		443	369.2 - 382.9m					
370			Volcanic conglomerate. lithic clasts (rhyolite, vol + limestone) and fiamme typically 5-7mm but to 30mm in a fine crystal - sericite? matrix.			rhyolite; limestone; fiamme; chlorite		
		444						
		445						
375		446	From ~374 - 377m black zones of chlorite with associated galena + Sph?	——	ga on			
		447		ch	fracture			
		448		——				
		449				rhyolite		
		450						
380								

645137

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Q'Town
Hole_Type		Tenement_No.	EL 6/95
Year	1999	Prospect	Beatrice
Geologist	KPD	Date	7/1/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log	[illegible]	[illegible]
		451						
		452	382.9 - 390.4m lithic-frame-crystal sandstone				50/48°	
385		453					60° Carb	
		454					50/43°	
390		455						
		456	-390.4 - 390.9m Cream-grey limestone breccia 390.9 - 407.4m lithic frame crystal sandstone					
		457	393.6m carbonate nodules to 50mm with rims of galena and sphalerite.		brn rim's carbonate nodules		42°	
395		458						
		459					50/040 50/54	
400		461					50/055	



645138

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Otter
Hole_Type		Tenement No.	EL 6/98
Year	1999	Prospect	Beatrice
Geologist	KDD	Date	7/4/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log		
		462		401.1			30/60	
		463	Strong zonal chlorite alteration from 402.8 – 405.1m with chlorite spotting either side, thin altered bar associated disseminated galena and sphalerite, large blob of sphalerite at 404m.	Chl spotting				
		464			diss ga + min sph, main sph in carbonate veinlets.			
		465		Chl patchy.		spl		
405		466						
		467						
		468		Chlorite spotting 407.7m				
		469	407.4 – 428.4m Series of limestone rich and pumiceous (?altered) mass flow units.					
410								
		470						
		471						
415								
		472						
		473				limestone rhyolite		
		474						
420								

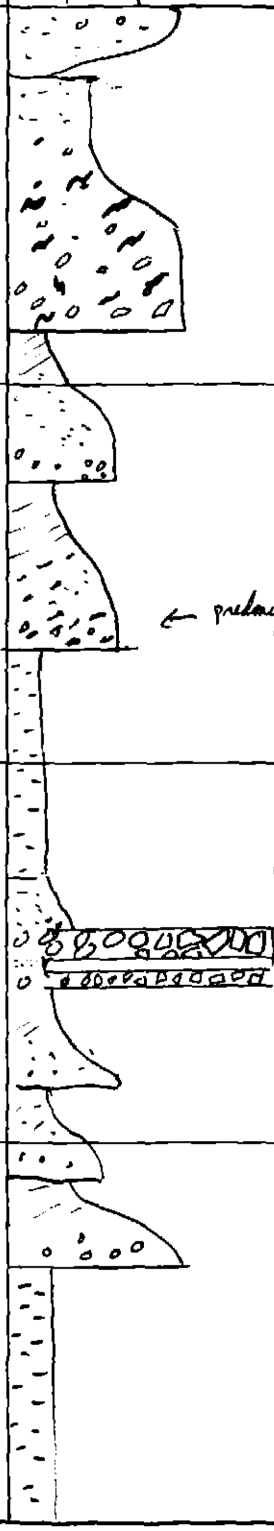
645139

22/28

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	O'Hal...
Hole_Type		Tenement_No.	EL 6/98
Year	1999	Prospect	Beatrice
Geologist	KJD	Date	29/1/99

Depth	Lithology Code	Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log (2 4)	preferred std field	preferred std field
		475		weak sericite alteration of pumice fragments				
		476						
425		477		↓				So 66°
		478				← predominantly fiamme.		So 70°
		479	428.4 – 431.6m grey green fine grained ashy volcanic, minor dark green blebs = chlorite spots?		SPL ?% / cal.			qtz/cal 040
430		481	431.6 – 436.7m crystal, limestone rich, pumiceous mass flows, 432.3 – 132.75m limestone breccia,					
		482						
435		483						
		484	436.7 – 449.2m blue/grey – cream fine grained ashy volcanics,	weak chlorite				
440		485						



645140

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	QLD
Hole_Type		Tenement_No.	EL 6/88
Year	1999	Prospect	BEAMISH
Geologist	KPD	Date	29/1/99

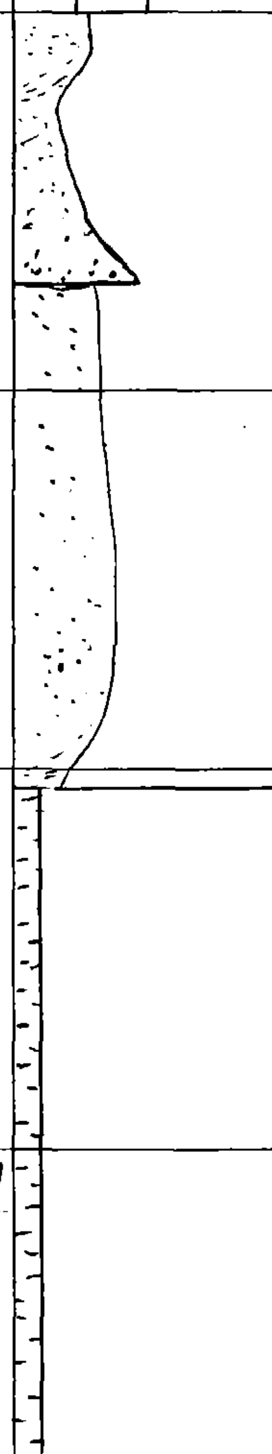
Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log	preferred str field	preferred str field
		486	limestone, pumiceous crystal mass flow unit from 441.3 - 442.8m.			limestone		
		487	minor K-Spar (Albite?) alteration from 444m.					
445		488		↑				
		489		weak feldspar alteration ↓			So?	
		490	449.2 - 454.3	K7			qtz vn	
450		491	moderate to strongly K-feldspar altered with a central core of chlorite alteration: K-feldspar/chlorite alteration gives a pseudobreccia texture, host type is fine grained graded, lithic volcanic sst.	K-feldspar alt'n. ↓	hem spotting	K. feld chlorite		
		492						
455			454.3 - 460.2	weak				
		493	Pink - green grey fine grained ashy volcanic	feldspar alt.			numerous qtz/cb/ch veinlets subparallel to VCA	
		494		↓				
		495						
460								

645141

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Dlton
Hole_Type		Tenement_No.	EL6/98
Year	1999	Prospect	BEATRICE
Geologist	KPD	Date	29/1/99

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log (2 4)	preferred std field	preferred std field
		496	460.2 - 470.2m. Similar unit to 449.2 - 454.3m. moderately K feldspar altered lithic pumiceous volcanic sst. Pumiceous fragments have been altered to dark green chlorite.	K-feldspar minor sericite? chlorite. ↓	qtz fold chl 20cm.			
		497						
465								
		498						
		499						
		166001 r						
470	470.2		470.2 - 479.1m. dark brown - green fine ashy volcanic.					
		002						
		003	474.4 - 479.7 qtz vein - sericite.					
475		004	py, cpy,	Si	qtz, py, cpy			
		005					020 / cll	
		006	479.1 - 484.9m.	Chlorite + patchy K-feldspar				
480								



645142

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Q1
Hole_Type		Tenement No.	EL 4698
Year	1999	Prospect	Beatrice
Geologist	KPD	Date	

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log	Sheet	preferred ...
		007	Green & pink lithic sandstone. Pink (feldspar altered?) lithic clasts to 5mm in a blue-green chlorite matrix. Cut by a series of chlorite-carbonate veins,	↑	cpy within chlorite-carbonate veins with cb.	2 4		
		482.5m						
		008		Chlorite	ga/py/sp/cb/chl			cb/gal/chl. cb/gl/chl,
485		484.9m						
		009	484.9 - 511.7m. blue - blue green fine grained ashy volcanic, variable + patchy K-feldspar alt^n,	↓				
		010		Weak K-feldspar				chl/gl/cb.
490		011						
		012		K-feldspar Patches/ blebs				
		013						
495		014		↓				050° cb/gl/chl
		015	* 497.2m 5cm zone of blebs of calcite containing acicular magnetite & surrounded by K-feldspar alteration.					
500								

645143

26/

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	QTE [?]
Hole_Type		Tenement_No.	EL 6/98 [?]
Year	1999	Prospect	Beatrice
Geologist	KPD	Date	

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Graphic Log (1 2 4)	preferred std field	preferred std field
		016						
		017						
505		018	* minor galena in veinlets				055 * qtz/chl/carb,	
		019						
		021	* cpy/gn in qtz/chl/carb veinlets,					
510		022						
		023	511.1 – 526.8m Feldspar crystal, lithic, Pumiceous slt → sst. This appears to be a single graded unit. Chlorite wisps which increase in size					
515		024	with overall grain size are interpreted to [illegible]	weak				
		025	Chlorite altered flattened Pumice	Chlorite alt^n				
		026						
520		027						

645144

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS 7	Project	Q'lle
Hole_Type		Tenement_No.	EL6/98
Year	1999	Prospect	Beatrice
Geologist	ICPD	Date	

Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log
520						
		028		Weak chlorite alt^n,		
		029				
525				↓		
		030		Patchy K-fld.		
		031	526.8 m - 550.0m (EOH). Blue-green ashy -> siltstone volcanic, plagioclase crystals and black-green wispy chlorite after frame. * galena and sphalerite associated with qtz-chl-carb veinlets		minor sph/ga in veinlets	qtz/chl/fld
530						
		032	* disseminated/Veinlet Cpy associated with 20cm chlorite altered zone.		K-Spar chl	
		033				
		034				
535						
		035				
		036				
540		037				

645145

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	MS7	Project	D'Town
Hole_Type		Tenement_No.	EL 6/98
Year	1999	Prospect	Ironforce
Geologist	KDP	Date	

Depth	Lithology Code	Lithology Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Graphic Log 1 4	produced unit thick	produced unit thick
		037						
		038						
545		039						
		041					11/413/6.	
550		042						
			550.0m (EOH)					

645146