HOLE No. BPD 77

PASMINCO EXPLORATION
DIAMOND DRILL CORE RECORD

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LOCATION	TASMANIA
PROJECT	BURNS PEAK
PROSPECT	SUMMIT
DESIGNED BY	L.W. KIRSNER
LOGGED BY	L.W. KIRSNER
RELOGGED	—
COMMENCED	15 - 1 - 1993
COMPLETED	27 - 1 - 1993
DRILLED BY	LONGYEAR
DRILL RIG	LONGYEAR 44

OBJECTIVE

A further test of the alteration and mineralization intersected in BPD 76 (located 500m to SW). The zone of interest is hosted in rhyolitic volcaniclastics, shale and andesite.

RESULT

The hole intersected felsic derived mass flows, shale and minor quartz feldspar porphyries. Several high grade polymetalic massive sulfide clasts occur between 103 - 107m and 163 - 171m. The upper clast bearing horizon is underlain by pyrite - sericite stringer alteration

LOCATION/SURVEY DATA (AMG)

Grid	AMG		RL Collar m 530
Northing m	5384 900		Bearing Collar 280°
Easting m	379 000		Dip Collar -60°
DH Survey Type	EASTMAN CAMERA.		Length Hole m 472.30m

Depth m	Bearing	Dip	Depth m	Bearing	Dip
58.00	282	-60			
103.30	281	-59.75			
150.00	282	-58.75			
200.00	283	-58.00			
250.00	285.50	-57.25			
300.00	287.50	-56.50			
350.00	289.50	-55.50			
400.00	282.	-54.75			
450.00	294	-54.0			

SIGNIFICANT INTERSECTIONS

From m	To m	Interval m	Pb	Zn	Ag			Comments
103.30	103.45	0.15	36%	16.5%	300g/t			Massive sulfide clast.

SIGNIFICANT CORE LOSS

From m	To m	% Lost

POOR GROUND CONDITION ZONES

From m	To m	Condition

HOLE SIZE

Size	Depth m
0 - 50	HQ
50 - 472.3	NQ

HOLE CONDITIONS AFTER COMPLETION

Collar	
Steel Casing	
PVC Casing	0 - 472.30 m
Ground Water	
Wedge	
Drill Pad	NOT REHABILITATED

BPD77 (values in ppm)

FROM	TO	SAMPLE	Cu	Pb	Zn	Ag	Au	Fe%	Ba	As	Mn
100.00	102.00	34718	15	174	701	<1	<0.008		776		1186
102.00	104.00	34719	31	2660	2090	2.0	0.01		690		900
103.00	103.10	34840	2500	360000	165000	300.0	6.60	2.15	1	5	815
104.00	106.00	34720	6	174	320	<1	<0.008		879		1473
106.00	108.00	34721	13	956	1503	1.0	<0.008		855		1380
108.00	110.00	34722	4	273	902	<1	<0.008		987		1510
110.00	112.00	34723	27	4920	8000	4.0	0.01		385		1388
112.00	114.00	34724	47	7000	9800	7.0	0.02		514		673
114.00	116.00	34725	15	1750	1984	1.0	<0.008		426		754
116.00	118.00	34726	11	351	1015	<1	<0.008		669		1106
118.00	120.00	34727	22	99	109	<1	<0.008		553		1274
120.00	122.00	34728	4	609	240	<1	<0.008		460		2040
122.00	124.00	34729	10	2815	1052	1.0	<0.008		703		1836
124.00	126.00	34730	12	719	2065	<1	<0.008		555		1735
126.00	128.00	34731	5	457	1046	<1	<0.008		615		1455
160.00	162.00	34732	7	1087	1294	1.0	<0.008		495		1392
162.00	164.00	34733	3	486	671	<1	<0.008		1140		801
164.00	166.00	34734	7	883	2655	1.0	<0.008		833		1409
166.00	168.00	34735	6	383	610	<1	<0.008		641		1505
168.00	170.00	34736	169	3865	7700	4.0	0.10		592		1349
170.00	172.00	34737	59	1767	3630	2.0	<0.008		956		1156
172.00	174.00	34738	18	1916	2538	1.0	0.01		1345		1253
174.00	176.00	34739	73	585	2119	1.0	0.01		897		1486
250.50	250.60	34763	21	1113	4931						
261.40	261.50	34766	9	79	390						
277.70	277.80	34767	4	271	44						
472.00	472.10	34768	2	4	56						

BPD77 (values in %)

			Al2O3	SiO2	TiO2	Fe2O3	MnO	CaO	K2O	MgO	P2O5	Na2O	SO3	LOI
250.50	250.60	34763	10.97	75.10	0.12	2.02	0.18	2.09	3.59	0.85	0.02	0.17	1.00	3.85
261.40	261.50	34766	15.24	70.60	0.25	2.49	0.13	1.34	3.67	0.92	0.03	2.56	0.13	3.01
277.70	277.80	34767	11.55	78.90	0.17	1.35	0.04	0.50	1.49	0.10	0.03	4.95	0.02	0.78
472.00	472.10	34768	12.80	74.10	0.31	2.85	0.12	0.89	3.78	1.75	0.04	0.55	0.02	3.31

BPD77 (values in ppm)

			Rb	Sr	V	Nb	Y	Zr
250.50	250.60	34763	137	56	<5	10	25	144
261.40	261.50	34766	159	184	<5	10	32	188
277.70	277.80	34767	42	193	<5	4	37	155
472.00	472.10	34768	194	75	10	13	32	240

BPD77 SPECIFIC GRAVITY

depth	value	formation code	lithology code
41.00	2.58	?	bx
80.10	2.64	?	Lr
118.30	2.65	?	Lr
162.10	2.65	?	Lr
197.20	2.69	?	qpmf
240.50	2.71	?	bx
253.40	2.75	?	sh
282.10	2.59	?	Lr
322.30	2.63	?	Lr
354.50	2.76	?	sh
400.10	2.66	CVC	pmf
439.30	2.68	CVC	pmf
472.00	2.70	CVC	pmf

PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

HOLE No. **BPD77**

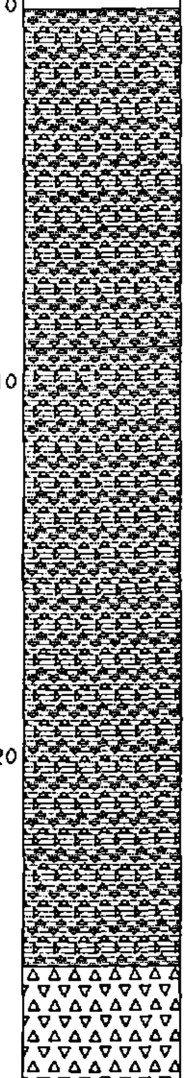
PROJECT: BURNS PEAK

Vertical Scale 1 : 200

5 cm

From	To	LITHOLOGY & ALTERATION	MINERALISATION	STRUCTURES	LITH	STR	ALT
0.00	9.00	FLUVIOGLACIAL DEPOSITS No core recovered 0.0 to 9.0 metres.			S fgl		
9.00	25.40	FLUVIOGLACIAL DEPOSITS Cream, Brown, Medium grained, Very coarse grained, Massive, Quartz phyric, Feldspar phyric.	DISSEMINATED, minor sphalerite disseminated, minor galena disseminated, very minor sphalerite on selvedges, Clots of fg sp/gn in the stronger silicified zones and on clast boundaries. Assoc'd with epidote veins..		S fgl		
25.40	42.20	BRECCIA CONTAINING CLASTS OF ACID LAVA Brown, Grey, Very coarse grained, Medium grained, Massive, Moderately Silicified, Slightly Epidotised, Clast-supported vcg flow-banded rhyolite breccia/mass-flow. Chloritic/feldspathic matrix.			V bx c La		sil ep

GRAPHIC — Depth 0, 10, 20



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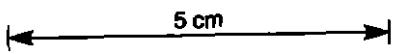
From	To	LITHOLOGY & ALTERATION	MINERALISATION
		vcg flow-banded rhyolite breccia/mass-flow. Chloritic/feldspathic matrix. 	very minor sphalerite on fractures. sphalerite in veins, galena in veins, sp/gn veinlet at 30deg to LCA..
42.20	43.40	BRECCIA CONTAINING CLASTS OF ACID LAVA Brown, Grey, Medium grained, Coarse grained, Massive, Feldspar phyric, As above but finer-grained - gravel (3-6mm clasts) and minor sand sized clasts.	
43.40	48.60	BRECCIA CONTAINING CLASTS OF ACID LAVA Grey, Coarse grained, Massive, Feldspar phyric, Quartz phyric, Slightly Sericitised, 10 to 70mm clasts form 30% vol, flow banded, q,f rhyolite lava with ser/f/q matrix, sand sized.	
48.60	58.80	BRECCIA CONTAINING CLASTS OF ACID LAVA Grey, Medium grained, Fine grained, Massive, Feldspar phyric, Quartz phyric, 2 to 40mm clasts - v.similar to above. Includes some msv siliceous clasts.	minor sphalerite on selvedges, minor sphalerite on fractures, Spots of sp on clast boundaries and in clasts.. minor sphalerite on selvedges, 2-4mm clots of sp on bedding planes.. DISSEMINATED, 0.5%

GRAPHIC: Depth | Lithology | Structures

STRUCTURES: FAULT, Brittle, Breccia, Broken rounded fragments.

CODES

From	To	LITH	STR	ALT
42.20	43.40	V bx c La	flt	
43.40	48.60	V bx c La		ser
48.60	58.80	V bx c La		

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From	To	LITHOLOGY & ALTERATION	LITH	STR	ALT
58.80	77.10	BRECCIA CONTAINING CLASTS OF ACID LAVA Grey, Green, Coarse grained, Massive, Feldspar phyric, Quartz phyric, Moderately Silicified, Slightly Sericitised, 61.6 to 63.9 and 65.6 to 68.5 strong silicification. Clasts 10-50mm.	V bx c La	vein vein	sil ser
		BRECCIA CONTAINING INCLUSIONS OF ACID LAVA WITH MINOR MYLONITE Dark, Grey, Coarse grained, Brecciated, Highly Chloritised, Tectonic breccia zone - fault?			
77.10	78.20	RHYOLITE CONTAINING CLASTS OF BRECCIA Grey, Green, Coarse grained, Brecciated, Flow banded, Moderately Chloritised, Slightly Silicified, Rhyolite lava/hyaloclastic breccia, clasts msv to fb, variably bleached/silic. Possible Vpm frags.	V bx	vein 80	chl
78.20	85.60	RHYOLITE Grey, Medium grained, Flow banded, Feldspar phyric, Sericitised, Classic fb fsp x'll rich lava with a ser matrix. RHYOLITE CONTAINING CLASTS OF BRECCIA Grey, Medium grained, Brecciated, Flow banded, Feldspar phyric, Lava breccia/hyaloclastite. fb clasts 2-20mm, x'lls 1-2mm. Possible pumice clasts. SANDSTONE AND RHYOLITE Grey, Coarse grained, Bedded, Brecciated, Flow base peperite -	L Lr c bx	vein 50	chl sil

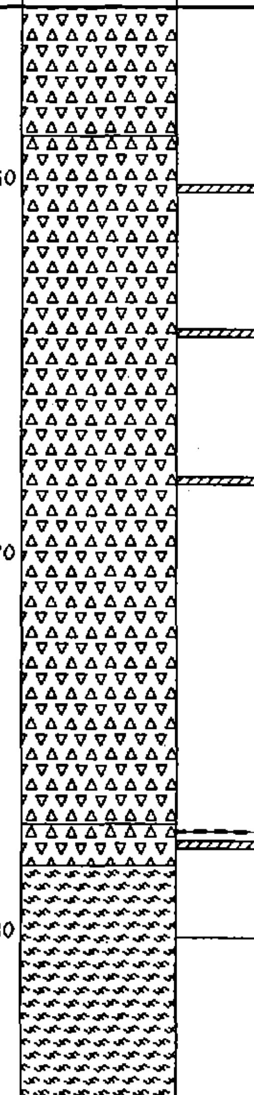
5 cm

MINERALISATION

- DISSEMINATED, 0.5% sphalerite disseminated, trace galena disseminated, On bedding planes..
- DISSEMINATED, 1% pyrite on selvedges, Dissem and between clasts..
- DISSEMINATED, pyrite disseminated, 1% pyrite on selvedges, Pyrite dissem and between clasts..
- DISSEMINATED, galena minor sphalerite disseminated. Zone of sulphide clasts in mass flow..
- MASSIVE, 40% galena massive, 20% sphalerite massive, 20% pyrite massive, minor disseminated, 13cm long, rounded/ovoid clast of high grade, massive galena & sphalerite mineralis'n, with diffuse boundaries (? post-deposition remobilisation), in a mass flow unit..
- MASSIVE, 40% sphalerite massive, 10% galena massive, 4cm long x 1cm wide oblong clast of high grade, pb/zn massive mineralis'n with a siliceous matrix..
- MASSIVE, 20% sphalerite massive, 10% galena massive, 3cm clast of massive base metal sulphide, in Vmf..
- STRINGER, 5% pyrite as

GRAPHIC (Depth / Lithology / Structures)

Depth: 60, 70, 80



STRUCTURES

- VEIN, Quartz. Veinlets throughout interval.
- VEIN, A 10.
- VEIN, A 15. Epidote veinlets commonly associated with sp/gn blebs.
- VEIN, A 25, Breccia, Quartz. Breccia/veined fault zone/hydrothermal channel.
- PRIMARY FABRIC, A 50. Bedding or cleavage near fault.
- FAULT, A 20, Brittle, Breccia. Lineation at 90degLCA in fault plane.
- PRIMARY FABRIC, A 25

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5 cm

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DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
		SANDSTONE AND RHYOLITE Grey, Coarse grained, Bedded, Brecciated, Flow base peperite - bedded fg seds with 20mm clasts of fb Lr in it.	sulphide, in Vmf..				fault plane.			
85.60	86.50	RHYOLITE CONTAINING CLASTS OF BRECCIA Grey, Medium grained, Coarse grained, Brecciated, Flow banded, Flow banded rhy clasts, some jigsaw textures, some coarser rounded frags.	STRINGER. 5% pyrite as stringers, minor galena in veinlets, very minor sphalerite in veinlets, Silicified zone with py replacement-style stringer/veining and minor base metal selvages. Later stage brittle veinlets with carbonate+sp+gn..				PRIMARY FABRIC, A 25. Flow banding in rhy lava clasts in hyaloclastite.	L Lr	so	ser
86.50	89.80	SANDSTONE Cream, Grey, Fine grained, Bedded, Quartz phyric, Feldspar phyric, Bedded ashy fg lithic sandstone.					PRIMARY FABRIC, A 60. Flow banded rhyolite.	L Lr c bx	vein	
89.80	90.30			90					so	
90.30	92.10	RHYOLITE CONTAINING CLASTS OF BRECCIA Cream, Grey, Coarse grained, Brecciated.	galena in veinlets, sphalerite in veinlets, Zone of BM veinlets..				VEIN, A 30, Sphalerite, Galena. PRIMARY FABRIC, A 55. Flow banding.	L Lr c bx	ss so	
92.10	92.40									
92.40	94.00	RHYOLITE AND SANDSTONE Grey, Pink, Coarse grained, Fine grained, Brecciated, Massive, Feldspar phyric, Slightly Sericitised, Rhyolite lava peperite	galena in veinlets, very minor sphalerite in veinlets, Base metal-bearing veinlets..				BEDDING, A 40, Younging uphole.	L Lr c bx	so	
94.00	98.50	QUARTZ PHYRIC MASS FLOW CONTAINING CLASTS OF RHYOLITE AND SANDSTONE CONTAINING CLASTS OF Grey, Green, Coarse grained, Fine grained, Massive, Brecciated, Feldspar phyric, Slightly Sericitised, Mass flow with angular to rounded clasts of rhy lava and fsp x'lls. Clasts 1mm to 50mm incl a grey fg sst matrix. Pyrite between clasts at 99.2m.	galena in veinlets, very minor sphalerite in veinlets, Base metal-bearing veinlets.. galena in veinlets, very minor sphalerite in veinlets, Base metal-bearing veinlets..				PRIMARY FABRIC, A 30. Flow banding. FAULT, A 0, Brittle. Slickensides at 90degLCA on fault plane.	V Lr & sst	flt	ser
98.50	103.20	QUARTZ PHYRIC MASS FLOW CONTAINING CLASTS OF RHYOLITE CONTAINING CLASTS OF Grey, Coarse grained, Massive, Brecciated, Feldspar phyric, Moderately Sericitised, Single flow? possibly uphole fining. Contains angular rhy clasts, fsp x'lls and msv sulphide clasts.	galena in veinlets, very minor sphalerite in veinlets, Base metal-bearing veinlets..	100			FAULT, A 20, Brittle. Slickensides as above.	V qpmf c Lr & sst c f	flt	ser
103.20	103.85	BRECCIA CONTAINING CLASTS OF SANDSTONE GRADING TO QUARTZ PHYRIC MASS FLOW CONTAINING CLASTS OF RHYOLITE Grey, Green, Medium grained, Coarse grained, Massive, Brecciated, Moderately Chloritised, Slightly Sericitised, Re-deposited hyaloclastite/peperite in a sandy matrix at top of unit, lithic breccia/mass flow containing rhy clasts (rounded) near base. Some chloritised angular clasts.					FIRST CLEAVAGE, A 45, Weak. Lineation now down dip.	V qpmf		ser
103.85	105.60		trace galena in veins.				VEIN, A 60, Galena. Carbonate veinlet adjacent to msv sulphide clast.	S bx c sst	sl	chl ser
105.60	106.50						JOINT, A 20. Lineation at 90deg to LCA.	L Lr		chl
106.50	107.00								vein	
107.00	109.50	RHYOLITE CONTAINING CLASTS OF BRECCIA Grey, Green, Coarse grained, Massive, Brecciated, Slightly Chloritised, Peperite with juvenile clasts of redeposited Lr, and hyaloclastic plastically deformed Lr frags.					PRIMARY FABRIC, A 50.	V Lr - sst	jnt so	
109.50	114.30	QUARTZ PHYRIC MASS FLOW CONTAINING CLASTS OF RHYOLITE Grey, Green, Coarse grained, Fine grained, Massive, Brecciated, Moderately Chloritised, Sedimentary breccia/massflow deposited with rounded clasts of Lr, and a massive sulphide clasts (sp/gn) at 106.8, cut off by a carb.		110			VEIN, A 40, Galena, Sphalerite. Veinlets in silicified zone.	L Lr	flt	sil

PASMINCO EXPLORATION

DIAMOND DRILL CORE LOG

HOLE No. **BPD77**

PROJECT: BURNS PEAK

Vertical Scale 1 : 200

DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
		breccia/massflow deposited with rounded clasts of Lr, and a massive sulphide clasts (sp/gn) at 106.8, cut off by a carb. vein @60deg to LCA.					Veinlets in silicified zone.			
		RHYOLITE GRADING WITH SANDSTONE Grey, Green, Coarse grained, Fine grained, Brecciated, Massive, Peperite/hyaloclastite with some jigsaw fit textures. Lithic clasts near base.					FAULT, Brittle, Sericite. Minor sericitic fault.			
114.30	117.40	RHYOLITE Grey, Fine grained, Brecciated, Massive, Feldspar phyric, Highly Silicified, Strongly silicified Lr which has been brecciated hydrothermally. Contains pyritic stringer veins with minor base metal selvages. Carbonate veinlets with sp/gn also present.	DISSEMINATED, minor sphalerite disseminated. In matrix.. STRINGER, minor sphalerite in veinlets, minor galena in veinlets, minor sphalerite as stringers, minor galena as stringers, In cleavage and on veins..					V Lr - sst	vein	sil
117.40	121.80	RHYOLITE GRADING WITH SANDSTONE Khaki, Pink, Coarse grained, Fine grained, Massive, Brecciated, Slightly Silicified, Flow banded Lrhy clasts in sst matrix.		120				L Lr		
121.80	129.30	RHYOLITE Pink, Massive, Flow brecciated.	STRINGER, minor sphalerite in veinlets, minor galena in veinlets, minor sphalerite as stringers, minor galena as stringers, In cleavage and on veins.. STRINGER, minor sphalerite in veinlets, minor galena in veinlets, minor sphalerite as stringers, minor galena as stringers, In cleavage and on veins..					L Lr		ser chl
		RHYOLITE Pink, Khaki, Medium grained, Coarse grained, Massive, Flow brecciated, Feldspar phyric, Moderately Sericitised, Moderately Chloritised, Some crackle bx and pseudo bx zones.								
129.30	140.50	QUARTZ PHYRIC MASS FLOW WITH MINOR RHYOLITE GRADING TO BRECCIA CONTAINING CLASTS OF RHYOLITE Grey, Green, Medium grained, Coarse grained, Upwards fining sequence, Brecciated, Feldspar phyric, Quartz phyric, Sand matrix at top of interval grades down to a clast supported mass flow/volcanomict breccia.		130				V qpmf m Lr > bx c Lr		
		5 cm		140						

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From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
140.50	146.40	RHYOLITE INTERBEDDED WITH RHYOLITE BRECCIA Grey, Cream, Coarse grained, Massive, Brecciated, Feldspar phyric.		140				L Lr b Lr bx		
146.40	149.20	RHYOLITE GRADING WITH SANDSTONE Grey, Cream, Coarse grained, Massive, Brecciated, Moderately Chloritised, Flow margin peperite with pseudo clastic chl alteration overprint.					FIRST CLEAVAGE, A 20, Shear, Strong. Lineation parallel to LCA.	V Lr - sst	sl	chl
149.20	157.80	RHYOLITE Khaki, Pink, Medium grained, Massive, Flow banded, Feldspar phyric, Slightly Chloritised. 5 cm		150			VEIN, Quartz. Zone of more frequent veining.	L Lr	vein	chl
157.80	161.50	RHYOLITE GRADING WITH SANDSTONE Grey, Cream, Coarse grained, Massive, Brecciated, Feldspar phyric.					FIRST CLEAVAGE. Intensification of cleavage.	V Lr - sst	sl	
161.50	165.20	RHYOLITE Grey, Cream, Medium grained, Cleaved, Flow brecciated, Feldspar phyric, Highly Chloritised, Highly Sericitised, Hyalocl. with alt'n pseudo breccia appearance. Includes narrow zone of peperite at 164.3m which contains dissem sphal. Altn strongest in cleavage.		160				L Lr		chl ser
165.20	169.80	QUARTZ PHYRIC MASS FLOW CONTAINING CLASTS OF RHYOLITE WITH MINOR SANDSTONE Grey, Cream, Massive, Feldspar phyric, Moderately Sericitised, Sand matrix and a few massive base metal sulphide blebs (?clasts?).	DISSEMINATED, minor sphalerite massive, minor galena massive, Sulphide					V qpmf c Lr m sst		ser
		PUMICEOUS MASS FLOW Grey, Green, Fine grained, Massive, Pumiceous, Wisps, Feldspar								

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From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
		PUMICEOUS MASS FLOW Grey, Green, Fine grained, Massive, Pumiceous, Wisps, Feldspar phyric, Moderately Chloritised, Moderately Detextured.	sphalerite massive, minor galena massive. Sulphide clasts 5 to 10 mm size. Possibly selective replacement?.							
169.80	170.30	QUARTZ PHYRIC MASS FLOW CONTAINING CLASTS OF RHYOLITE WITH MINOR SANDSTONE Grey, Medium grained, Brecciated, Polymict mass flow with sst matrix and minor sulphide clasts. Generally angular clasts dominate.		170						
170.30	170.90									
170.90	174.70	PUMICEOUS MASS FLOW Grey, Fine grained, Massive, Pumiceous, Feldspar phyric, Slightly Chloritised, Moderately Detextured, Chloritic patches and pseudoclastic texture.						V pmf		chl dtx
174.80	189.80	SCHIST AND MYLONITE Cream, Medium grained, Cleaved, Moderately Sericitised, Shear zone.					FAULT, A 40, Shear.	V bx > Lr	flt	ser
		BRECCIA GRADING TO RHYOLITE Grey, Medium grained, Brecciated, Massive, Moderately Sericitised, Moderately Chloritised, Hydrothermally brecciated rhyolite lava down to 176.2 then massive to hyaloclastic rhyolite lava. Some dark chloritic zones.		180			FAULT, A 30, Brittle, Rug.		flt	
183.00	193.30	RHYOLITE AND BRECCIA Green, Yellow, Medium grained, Brecciated, Slightly Chloritised, Slightly Sericitised, Variable clvg at 30 deg to LCA. 5 cm	DISSEMINATED. minor sphalerite on fractures.	190			FIRST CLEAVAGE, A 30, Strong. FIRST CLEAVAGE, A 0, Strong, Shear.	V Lr & bx	sl sl	
193.30	216.30	QUARTZ PHYRIC MASS FLOW CONTAINING CLASTS OF RHYOLITE AND BRECCIA Green, Yellow, Medium grained, Coarse grained, Feldspar phyric, Slightly Chloritised, Slightly Sericitised, Peperite with fb Lr clasts and msv siliceous clasts, feldspar rich						V qpmf c Lr & bx		

PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG
HOLE No. BPD77

PROJECT: BURNS PERK
Vertical Scale 1 : 200

DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
		phyric, slightly chloritised, slightly sericitised, Peperite with fb Lr clasts and msv siliceous clasts, feldspar rich matrix and some carbonate in breccia zones.		200			FAULT, A 20, Shear, Brittle. Shear and fault with LI at 90degLCA.		flt	
		5 cm		210						
216.30	219.30	BRECCIA GRADING WITH SHALE AND SANDSTONE Grey, Black, Fine grained, Medium grained, Cleaved, Brecciated, Feldspar phyric, Slightly Chloritised, Shale and sandy tuff in a cleaved fault zone.					FAULT, A 10, Fracture. Brittle. In dark chloritic/?shaley matrix zone.	S bx - sh & sst	flt	
219.30	223.40	RHYOLITE AND QUARTZ PHYRIC MASS FLOW Green, Yellow, Coarse grained, Medium grained, Massive, Brecciated, Feldspar phyric, Quartz phyric, Slightly Chloritised.		220				V Lr & qpmf		
223.40	226.90	SANDSTONE Grey, Fine grained, Medium grained, Massive, Cleaved, Feldspar						V sst		

PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

HOLE No. **BPD77**

PROJECT: BURNS PEAK

Vertical Scale 1 : 200

DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
223.40	226.90	SANDSTONE Grey, Fine grained, Medium grained, Massive, Cleaved, Feldspar phyric, Wisps, Slightly Chloritised, Chloritic wisps in a tuffaceous sandstone.						V sst		
226.90	230.30	BRECCIA AND SANDSTONE CONTAINING LAMINAE OF SHALE CONTAINING CLASTS OF SILTSTONE Grey, Green, Coarse grained, Fine grained, Cleaved, Brecciated, Slightly Chloritised, Slightly Sericitised, Shale zone at top of sheared interval, mst clasts near base. Many qtz/carb veins.					FAULT, A 20, Reverse movement, Brittle.	V bx f sst l sh c slt	flt	
230.30	251.40	BRECCIA CONTAINING CLASTS OF RHYOLITE INTERBEDDED WITH SANDSTONE AND CONGLOMERATE Green, Grey, Coarse grained, Fine grained, Massive, Feldspar phyric, Quartz phyric, Slightly Chloritised, Slightly Sericitised, Interbedded tuffaceous sandstones and conglom. with coarser acid volcaniclastics. Lowest metre has stronger ser/chl alteration. 5 cm		230 240 250			VEIN, A 40, Reverse movement. Lineation at 40deg to LCR in plane of veins.	V bx c Lr b sst & cong	vein	
251.40	253.00	TURBIDITE CONTAINING CLASTS OF RHYOLITE INTERBEDDED WITH SHALE Grey, Coarse grained, Fine grained, Massive, Reworked upper					BEDDING, Younging uphole.			

PASMINCO EXPLORATION

DIAMOND DRILL CORE LOG

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Vertical Scale 1 : 200

DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
251.40	253.00	Grey, Coarse grained, Fine grained, Massive, Reworked upper contact of the narrow shale unit - includes clasts of the over lying sequence.					BEDDING, A 70.	S t c Lr		
253.00	258.90	SHALE Black, Fine grained, Laminated, Slightly Carbonatised, Laminated pyritic shale with qtz/carb veins. Sharp lower sedimentary contact.	DISSEMINATED, 5% pyrite as stringers, on selvedges, on fractures, disseminated, Pyrite on bedding planes and as clots in fractures and cleavage..				BEDDING, A 70. BEDDING, A 70. FIRST CLEAVAGE, A 35. BEDDING, A 70. Indicates anticline to the west.	S sh	ss ss ss ss ss s$	
~~258.90~~	~~259.40~~	BRECCIA Grey, Coarse grained, Fine grained, Brecciated, Massive, Reworked zone at the top of the underlying porphyritic rhyolite, with a shale matrix.					BEDDING, A 70. FIRST CLEAVAGE, A 30.			
259.40	329.20	RHYOLITE GRADING WITH BRECCIA Grey, Buff, Coarse grained, Massive, Quartz phyric, Feldspar phyric, Slightly Silicified, Coarse porphyritic rhyolitic lava and minor lava breccia/hyaloclastite. Some qtz/carb veinlets and chlorite veins.Coarse feldspars have grown in-situ, having nucleated on finer grained pre-existing crystals. Feldspars are epidote altered in the lowest 10 metres. Tectonic brecciation below 325.5m.		260 270 280			BEDDING, A 30. Defines asymmetric folds - syncline east, anticline west.	L Lr - bx		

5 cm

PASMINCO EXPLORATION

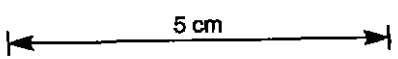
DIAMOND DRILL CORE LOG

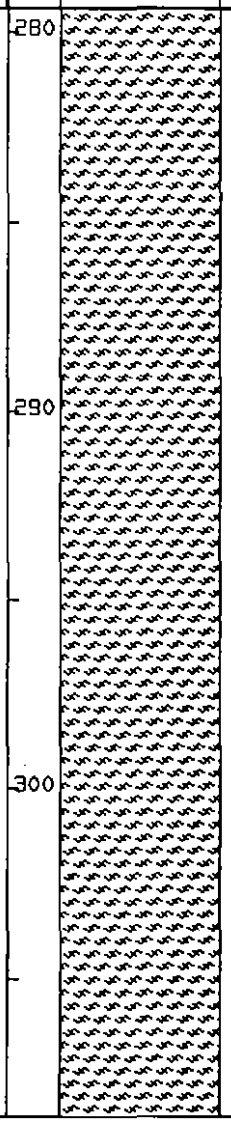
HOLE No. BPD77

PROJECT: BURNS PERK

Vertical Scale 1 : 200

DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT





PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG
Vertical Scale 1 : 200

HOLE No. **BPD77**

PROJECT: BURNS PEAK

DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
		5 cm		310						
				320			FAULT, A 20. Breccia. Reverse movement, Brittle. Major fault zone at the top of the shale - wide cataclastic zone similar in style and amount of deformation to the Rosebery Fault.			
329.20	331.00	SHALE GRADING WITH BRECCIA Black, Grey, Coarse grained, Fine grained, Brecciated, Cleaved, Highly Detextured, Tectonic breccia zone at the top of the shale unit - within the fault zone.		330			BEDDING, A 35.	S sh - bx		
331.00	358.30	SHALE WITH MINOR BRECCIA Black, Fine grained, Laminated, Cleaved, Slightly Carbonatised, Contains a network of fine carbonate veinlets, fine pyrite on bedding planes and extended into the cleavage. Some clots of coarser pyrite. Intermixed and interbedded with underlying unit in lower 5 metres of shale unit.					BEDDING, A 15. FAULT, A 45. Brittle. Breccia. Minor brittle fault zone with discrete pug zones, but dominated by coarser breccia with shale matrix.	S sh m bx	flt ss	

PASMINCO EXPLORATION
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From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
							breccia with shale matrix.			
							BEDDING, D 55. W dip (Core orientation marks at: 262.3, 265.3, 337.3, 340.3, 538.3 - some are unreliable due to poor match over 3m or low angle break)		ss flt	
				340					ss	
							BEDDING, D 83. E dip (shales only approximately orientated due to poor match of marks at 337.3 and 340.3)		ss ss ss	
		5 cm							ss	
							BEDDING, D 84. W dip		ss ss	
							BEDDING, D 76. W dip		ss	
							BEDDING, D 80. W dip			
							BEDDING, D 86. W dip			
				350			BEDDING, D 49. S dip			
358.30	360.80	SANDSTONE CONTAINING CLASTS OF SILTSTONE AND RHYOLITE Grey, Green, Coarse grained, Medium grained, Massive, Brecciated, Slightly Chloritised, Moderately Sericitised, Fine grained volcaniclastic with clasts of the overlying and underlying lithologies.		360				V sst c slt & Lr		
360.80	472.30	PUMICEOUS MASS FLOW CONTAINING CLASTS OF RHYOLITE BRECCIA Grey, Pink, Fine grained, Medium grained, Massive, Cleaved, Pumiceous, Feldspar phyric, Moderately Detextured, Slightly Sericitised, Slightly polymict at the top of the unit, grading down to a more massive consistently pumiceous unit. Increasing rhyolite lava clast content from 470m down hole.						V pmf c Lr bx		

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From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
		sericitised, slightly polymict at the top of the unit, grading down to a more massive consistently pumiceous unit. Increasing rhyolite lava clast content from 420m down-hole.		370						
		5 cm		380						
				390						

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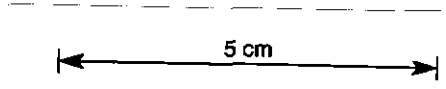
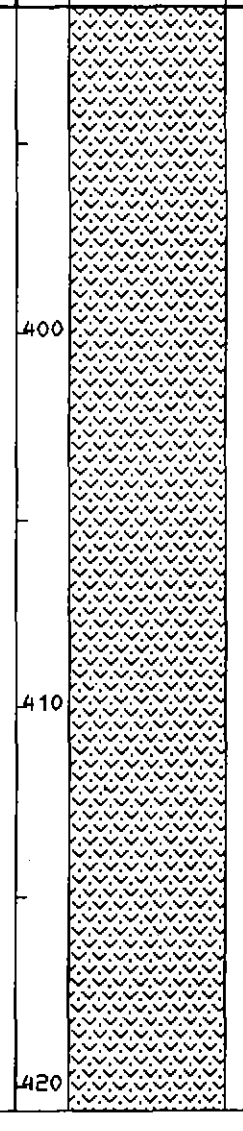
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT





PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

HOLE No. **BPD77**

PROJECT: BURNS PEAK

Vertical Scale 1 : 200

DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
		5 cm		420						
				430						
				440			FAULT, A 60, Pug. Breccia, Brittle. Minor fault.		flt	

PASMINCO EXPLORATION

DIAMOND DRILL CORE LOG

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DESCRIPTION				GRAPHIC				CODES		
From	To	LITHOLOGY & ALTERATION	MINERALISATION	Depth	Lithology	Structures	STRUCTURES	LITH	STR	ALT
		5 cm		450						
				460			FAULT, A 65, Brittle, Breccia, Pug. Minor fault with symmetrical bleaching around it for 10 metres each way along the core.		flt	
				470						