

**PASMINCO EXPLORATION
SUMMARY DIAMOND DRILL CORE LOG**

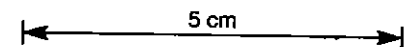
HOLE No. BPD 74

PROJECT: BURNS PEAK

Graphic Scale 1:1000

Page 2 of 13

From m	Interval m	Code	Description	Depth	Graphic	From m	Interval m	Code	Description	Depth	Graphic
0.0	3.5		• <u>FLUVIO-GLACIAL OVERBURDEN</u> •		O.A.S.P.				chloritic groundmass. Jigsaw fit predominates.		// //
3.5	109.9		• <u>RHYODACITIC LAVAS</u> • • At least three flow units of feldspar-phyric, generally massive, variably sericitic/chloritic/pyritic with flow breccia/brecciated flow tops. Minor flow banding, blotchy pseudo clastic alteration, and intermittent cleavage. Some hydrothermal brecciation and qtz-carbonate veins.		// // = + // *	200.4	56.3		• <u>RHYODACITIC LAVA & LAVA BRECCIA</u> • • flow banded, variably sericitic/chloritic, some "clasts" near margins.		// // = + // *
					// //	256.7	0.1		• <u>FAULT</u> • (45° to core)	300	// //
					=	256.8	1.7		• <u>MAFIC INTRUSIVE</u> • • chilled, intrusive lower contact.		// //
113.4	3.2		• <u>MAFIC INTRUSIVE</u> • • fine grained, massive, grey-green colour. Intrusive/chilled lower margin @ 50° to core. Pyrite below contact	100	// //	258.5	7.0		• <u>RHYODACITIC LAVA</u> •		// //
					F V-V I	265.5	-		• <u>IRREGULAR EROSIONAL CONTACT</u> •	352	// // EOH.
116.6	7.0		• ? <u>PUMICEOUS VOLCANICLASTIC</u> • • chloritised & sericitised pumiceous clasts & possible tubules preserved.		V V I	265.5	20.05		• <u>VOLCANICLASTIC ASHFALL</u> • • upward fining pumiceous ashfall. Has a gradational lower contact to laminated ash horizon		// //
123.6	14.8		• <u>MAFIC INTRUSIVE</u> • • as at 113.4. Has chilled upper & lower margins.		// //	285.55	3.05		• <u>LAMINATED ASH HORIZON</u> • • sharp lower erosional contact.		// //
138.4	44.7		• <u>RHYODACITIC LAVA & LAVA BRECCIA</u> • • possibly 2 distinct flows with brecciated tops. Pseudo clastic alteration; feldspar phyric; variably chloritised & sericitised, dense py.	200	// // =	288.6	11.9		• <u>VOLCANICLASTIC SANDSTONE</u> • • pumiceous sandstone with lava fragments.		// //
					// //	300.5	51.5		• <u>RHYODACITIC LAVA</u> •		// //
183.1	17.3		• <u>HYALOCLASTITE / AUTOBRECCIA ?</u> • • clasts of rhyodacitic lava, flow banded in a		// //	352.0	EOH		• <u>END OF HOLE</u> •		// //



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PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

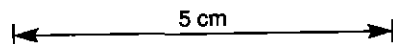
HOLE No. BPD 74

PROJECT: BURNS PEAK

Graphic Scale 1: 200

Page 3 of 13

CORE RECOVERY				DESCRIPTION										CODES			
From m	Interval m	%	RDD	From m	Interval m	(incl. LITHOLOGY, STRUCTURE & ALTERATION)	Depth	Graphic Lithology	Graphic Struct.	MINERALISATION	LITHO	STRUCT	ALTW	MW			
0.0	2.6	65		0.0	3.5	• FLUVIO-GLACIAL OVERBURDEN •											
4.0	7.2	120				- rounded to well rounded clasts < 5mm across	3.5										
10.0	3.0	100				interspersed with boulders of CVS ?dacitic lavas.											
13.0	2.9	97				comprise: massive chloritic (after glass) lavas;											
16.0	3.0	100				feldspar phyric lavas; pink/green/grey chlorite-											
19.0	3.0	100				albite altered lavas.	10		Jigsaw breccia Joints 0° to core w/ky clst 35°								
22.0	3.2	107															
25.0	2.9	97		3.5	32.0	• RHYODACITIC LAVA • (single flow unit)				13.3 - Pyrite < 0.1% disseminated & on joints							
28.0	3.0	100				• massive, fine-grained, "devitrified", feldspar-phyric											
31.0	3.0	100				(1-5% feldspar), grey to orange (weathered/iron											
34.0	3.0	100				stained). Jointing parallel to core. Some (~1%)											
37.0	2.7	100				secondary porosity (vughs/voids) due to weathering	20			19.0-20.0 - Pyrite on joints & veins.							
39.7	2.5	100				• Weak cleavage at 35° to core.											
42.2	3.5	103				- Colour varies from pale green to grey in patches.											
45.6	3.4	100				- Possible flow banding / chloritic wisps preserved.											
49.0	1.0	100				7.8-7.9 - chloritised "jigsaw" breccia at 30° to core.											
50.0	4.5	90				7.9-8.4 - quartz - chlorite veins - create "crazed" tek											
55.0	3.3	110				10.4-10.8 - chloritic flow banding ~ 30° to 60° to core	30		SZ/F @ 30° -SZ/F								
58.0	2.4	96				• Pale green & dark green chloritic "flecks" common.											
60.5	3.1	100				11.6 - Jointing at 45° to core											
63.6	3.5	103				13.3 - fine grained dissem. pyrite & pyrite on joints.	35.5										
67.0	3.0	100				14.4 - flow banding at 50° to core. Sericitised.				* THIN SECTION / PETROGRAPHY 35.7							
70.0	4.0	100				• Blotchy sericitic & pink "albitic" alteration				* 031784							
74.0	2.1	105				below 15.1m	40										
76.0	3.0	100				• "Pseudo clastic" alteration effect patchily developed.											
79.0	4.4	100				31.0-31.4 - Strong cleavage at 30° to core											
83.4	1.6	100				⇒ chloritised shear zone / fault.											
85.0	3.0	100				32.2-32.5 - cleaved, broken core, ? fault.	46										



041075

PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

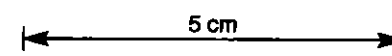
HOLE No. BPD 74

PROJECT: BURNS PEAK

Graphic Scale 1: 200

Page 4 of 13

CORE RECOVERY				DESCRIPTION							CODES			
From m	Interval m	%	ROD	From m	Interval m	(incl. LITHOLOGY, STRUCTURE & ALTERATION)	Depth	Graphic Lithology	Struct.	MINERALISATION	LITHO	STRUCT	ALTN	MIN
38.0	4.3	98		35.5	13.5	• RHYODACITIC LAVA • (single flow)		// //						
92.4	1.3	100				35.5-35.9 - Lava fragmental / flow top. clasts	49.0	//						
93.7	3.1	100				of fine-grained massive lava in fine to medium	50	//						
96.8	3.15	98				grained matrix. Quartz & feldspar fragments.		//						
100.0	2.55	94	*			35.9 - 49.0 - massive, medium to dark grey,		//		(50.0m - Change from HQ to NQ core)				
102.7	3.3	94				feldspar-phyric rhyodacitic lava. Some patchy		//						
106.2	4.0	105				pink alteration (eg: 43.2-44.5; 46.0-46.5).		//						
110.0	1.9	95				Variable intensity cleavage at 25°-30° to core.	60	//						
112.0	2.7	96						//						
114.8	4.2	98		49.0	25.5	• RHYODACITIC LAVA • (single flow)		//						
119.1	1.9	100				49.0-49.9 - brecciated flow top / lava breccia.		//						
121.0	2.8	100				49.9-74.5 - massive grey / pink feldspar phyric		//						
123.8	2.4	96				rhyodacitic lava. Patchily sericitised in zones		//						
126.3	3.5	100				of moderate foliation.	70	//	?SZ					
129.8	6.1	100				68.9-69.4 - sericitic foliated dark grey zone.		//						
135.9	4.7	100						//						
140.6	1.7	94		74.5	0.3	• HYDROTHERMAL BRECCIA •	74.5	//		Pyrite in hydrothermal(?) breccia.				
142.4	3.5	103				? Possibly hydrothermal or tectonic breccia. Disseminated		//		(SPLIT 74.0 → 76.0) in intervals				
145.8	5.1	98				blebs of pyrite up to 3mm across in dark		//						
151.0	6.0	100				grey matrix with cream coloured siliceous breccia	80	//						
157.0	3.1	103				clasts.		//						
160.0	6.0	100						//						
166.0	3.0	100		74.8	38.6	• RHYODACITIC LAVA •		//						
169.0	2.8	98				Pale grey to pink massive lava.		//						
171.85	6.1	100						//						
177.95	4.8	103		113.4	3.2	• MAFIC DYKE/SILL •	90	//						
182.6	2.3	105				mafic dyke. fine grained massive grey/		//						
184.8	4.0	100				green colour Faulted at 114.7-115.6		//						



041076

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DIAMOND DRILL CORE LOG

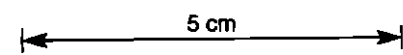
HOLE No. BPD 74

PROJECT: BURNS PEAK

Graphic Scale 1: 200

Page 5 of 13

CORE RECOVERY				DESCRIPTION							CODES			
From m	Interval m	%	RQD	From m	Interval m	(incl. LITHOLOGY, STRUCTURE & ALTERATION)	Depth	Graphic Lithology	Graphic Struct.	MINERALISATION	LITHO	STRUCT	ALTN	MIN
138.8	4.7	104		116.6	-	INTRUSIVE CONTACT.								
143.3	4.6	104				- Chilled margin in mafic intrusive, at 50° to core.								
147.7	1.4	61				Pyrite developed in country rock outside dyke/sill and on the contact. Medium to coarse pyrite (~3mm blebs) extend to ~20mm into country rock ⇒ Pyrite	100							
149.0	3.0	100				"juiced" out of felsic rocks locally.								
202.0	3.4	100												
205.4	4.0	110												
209.0	2.1	105												
211.0	3.0	100		116.6	7.0	PUMICEOUS VOLCANICLASTIC. (?)								
214.0	6.0	100				Chloritised & sericitised clasts with possible "tubules" preserved. Pink/cream colour, crossed by pale epidote/chlorite alteration. wisps and banding in ground mass between clasts.	110							
220.0	3.1	103												
223.0	3.0	100												
226.0	3.2	100												
229.2	2.2	100												
231.4	6.2	103		123.6	14.8	MAFIC DYKE / SILL.	113.4			(121m-124m - split in intervals)				
237.4	1.2	100				123.6 - Intrusive contact (as at 116.6), with pyrite associated.	116.6							
238.6	2.3	96				Dark grey, fine grained, massive, some quartz veins, monotonous unit.	120							
241.0	3.0	100				138.4 - Intrusive contact, with pyrite below it in country rock.	123.6							
244.0	5.9	98												
250.0	6.0	100												
256.0	2.7	113												
258.4	4.1	98												
262.6	4.7	107		138.4	20.3	RYHODACITIC LAVA / LAVA BRECCIA.								
267.0	4.0	100				grey-green and pink blotchy alteration giving "pseudo-clastic" appearance. Some zones feldspar phytic with crystals crossing "clast" boundaries.	130							
271.0	6.1	102				Some possible "true" clasts - fine grained, grey, feldspar-absent. Very fine grained disseminated quartz (<0.1%) Pale white (ser?) common.								
277.0	6.1	102												
283.0	2.9	104												
285.8	6.1	98												
292.0	4.9	102												



041077

PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

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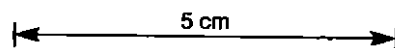
PROJECT: BURNS PEAK

Graphic Scale 1: 200

Page 6 of 13

CORE RECOVERY				DESCRIPTION										CODES			
From m	Interval m	%	RCD	From m	Interval m	(incl. LITHOLOGY, STRUCTURE & ALTERATION)	Depth	Graphic Lithology	Struct.	MINERALISATION	LITHO	STRUCT	ALTN	MIN			
296.8	6.2	103				below 142.1 - less pseudo clastic texture, massive,	138.4		I								
302.8	1.2	100				occasional flow banding, rhyodacitic lava. Some	140										
304.0	6.0	100				disseminated pyrite; epidote (?) / chlorite altered devit-											
310.0	6.0	100				rified glass in patches.											
316.0	6.0	100															
322.0	5.9	98		158.7	24.4	<u>RHYODACITIC LAVA</u> (single flow?)											
328.0	6.1	102				158.7 - 159.1 - flow breccia / lava breccia. Top of lava	150										
334.0	6.0	100				flow. Much pyrite & minor other sulphide, up to											
340.0	3.0	100				1% locally. Fine grained disseminated generally.											
343.0	6.0	100				159.1 - 183.1 - variably sericitic & chloritic											
349.0	3.0	100				rhyodacitic lava with minor ? primary											
352.0	EOH					breccia zones. Feldspar phytic (varies).	158.7										
						Green-grey colour, fine grained groundmass, some	160										
						flow banding, occasional ? pumice clasts.											
						Some alteration enhanced "pseudo clastic"											
						zones, generally massive. Includes											
						"cherty" / silicified ash zones (minor).											
						(175 - 180m - traces of Pb/Zn/Ag sulphides?)											
				183.1	17.3	<u>HYALOCLASTITE / AUTO BRECCIA (?)</u>	170										
						margin of dacitic lava flow? Clasts of											
						pink to green silica/albite/sericite altered, flow											
						banded lava with a chloritic ground mass											
						between. Jigsaw fit predominates. Some ? pumice											
						Variable intensity of alteration. Some randomly	180										
						oriented flow-banded clasts sericitic ground											
						mass between.	183.1										

* 157.3 PETROLOGY / THIN SECTION



* PETROLOGY / THIN SECTION
175.5 - 178.7
* 031790

* 175 - 180 - traces of disseminated galena?

041078

PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

HOLE No. BPD 74

PROJECT: BURNS PEAK

Graphic Scale 1: 200

Page 7 of 13

CORE RECOVERY				DESCRIPTION							CODES				
From m	Interval m	%	RQD	From m	Interval m	(incl. LITHOLOGY, STRUCTURE & ALTERATION)	Depth	Graphic Lithology	Struct.	MINERALISATION	LITHO	STRUCT	ALTM	MIN	
				200.4	14.6	<ul style="list-style-type: none"> • RHYODACITIC LAVA & LAVA BRECCIA. • Green-grey, massive, feldspar phytic, flow banded, sericitic/chloritic, "pseudo clastic". • Some "silicified ash" clasts intercalated in flow margins (eg: 209.5-215.0) as contorted flow banding or bedded zone with sericite/chlorite altered ? glass between them. 	190								
				215.0	41.7	<ul style="list-style-type: none"> • Pseudoclastic, altered rhyodacitic lava; feldspar phenocrysts, albite/sericite pink/green alteration. Patchy silicification. Quartz veins at 225m. 	200 200.4								
				256.7	0.1	<ul style="list-style-type: none"> • FAULT. • Clayey pug zone ± small gravel clasts at 45° to core; 10cm wide. Late feature. 	210								
				256.8	1.7	<ul style="list-style-type: none"> • MAFIC DYKE / SILL. • Intrusive ^{lower} contacts (45°) contains randomly oriented carbonate veinlets. 	250								
				258.5	7.0	<ul style="list-style-type: none"> • RHYODACITIC LAVA. • Pink albitic, feldspar phytic, devitrified glassy, flow-banded - much "detexturing" has left only hints of flow banding. • Carbonate veins and blebs irregularly throughout. 	220								
				265.5	-	<ul style="list-style-type: none"> • IRREGULAR (CONFORMABLE) CONTACT. 	230								

5 cm

qtz vns.

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PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

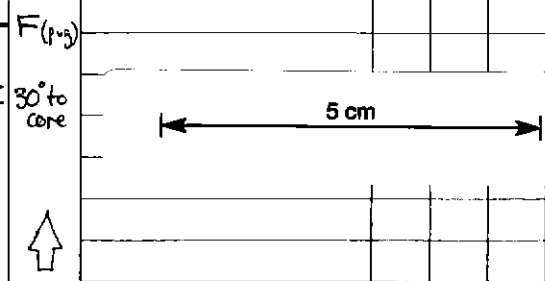
HOLE No. BPD 74

PROJECT: BURNS PEAK

Graphic Scale 1: 200

Page 8 of 13

CORE RECOVERY				DESCRIPTION							CODES			
From m	Interval m	%	RQD	From m	Interval m	(incl. LITHOLOGY, STRUCTURE & ALTERATION)	Depth	Graphic Lithology	Struct.	MINERALISATION	LITHO	STRUCT	ALTW	MIN
				265.5	20.05	<ul style="list-style-type: none"> • <u>VOLCANICLASTIC ASHFALL</u>. • Upward-fining volcanoclastic/pumiceous ashfall. Grey, variably chloritic, with pumiceous clasts and hydrothermal brecciation, particularly at top of interval. 	230							
				285.55	-	<ul style="list-style-type: none"> • Gradational <u>contact</u> from coarse pumiceous volcanoclastic (base of above unit) to laminated fine grained ash horizon. 	240							
				285.55	3.05	<ul style="list-style-type: none"> • <u>LAMINATED ASH HORIZON</u>. • fine to medium grained, laminated ash fall volcanoclastic with minor pumice clasts. 	250							
				288.6	-	<ul style="list-style-type: none"> • Sharp <u>contact</u> incorporating a dark grey, fine grained ? shale block on a generally irregular, disrupted ? unconformity. 	256.7							
				288.6	11.9	<ul style="list-style-type: none"> • <u>VOLCANICLASTIC SANDSTONE</u>. • medium grained, pumiceous, brecciated volcanoclastic sandstone ± lava fragments. Grey-green colour with NiAl₂ chlorite-sericite alteration. Some hydrothermal brecciation. 	258.5 260		I					
				300.5	0.3	<ul style="list-style-type: none"> • <u>BRECCIA ZONE</u>. • Strongly brecciated, carbonate-filled tectonically disturbed zone. Includes angular fragments of country rock zone at 30° to core 	265.5 270							



041080

PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

HOLE No. BPD 74

PROJECT: BURNS PEAK

Graphic Scale 1: 200

Page 9 of 13

CORE RECOVERY				DESCRIPTION							CODES				
From m	Interval m	%	RQD	From m	Interval m	(incl. LITHOLOGY, STRUCTURE & ALTERATION)	Depth	Graphic Lithology	Struct.	MINERALISATION	LITHO	STRUCT	ALTH	MIN	
				300.8	51.2	<p><u>RHYODACITIC LAVA.</u></p> <p>feldspar - phytic, rhyodacitic lava with few carbonate veinlets and some "pseudo-clastic" altered zones. Possible lava breccias disguised by pervasive alteration. Similarities to volcaniclastics (composition alteration) higher in hole, but lavas differ by being feldspar present versus the volcaniclastics with pumice present, and the lavas have less chlorite & sericite.</p>	280 285.55 288.6 290								
				352.0	EOH	— EOH —	300.5 300 300.8		?						

041081

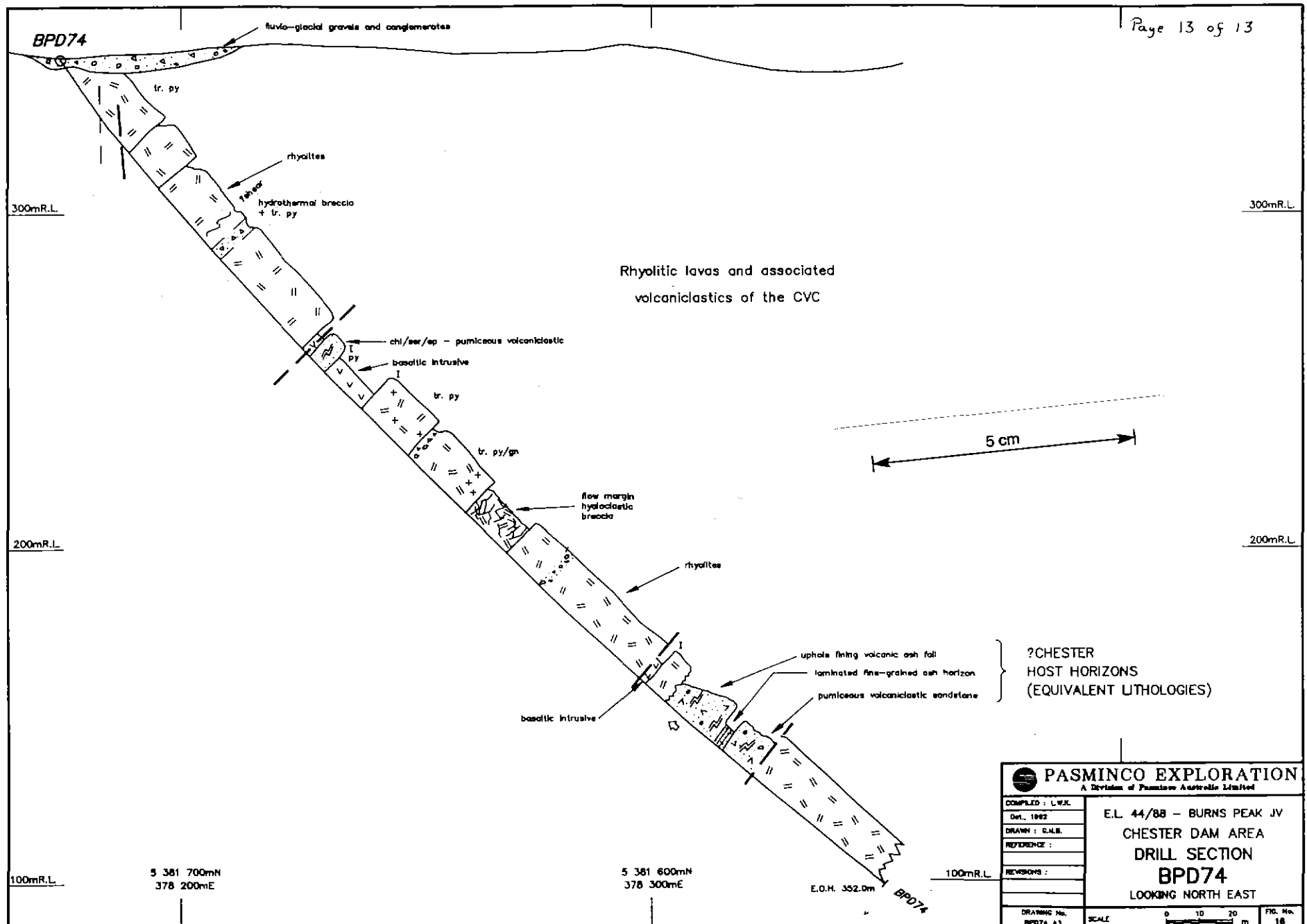
HOLE No. BPD 74

PROJECT: Burns Peak

PASMINCO EXPLORATION
DIAMOND DRILL HOLE SUPPLEMENTARY DATA

depth	mag. sus (SI x .001)	depth	s.g.	sample type	114.8	0.32	114.7	2.60	NQ whole					
					119.1	0.03			NQ whole					
0.1	0.05			HQ whole	121.0	0.08	121.0	2.73	NQ whole					
4.0	0.20			HQ whole	123.8	0.33			NQ whole					
10.4	0.14			HQ whole	126.3	0.22			NQ whole					
13.0	0.15			HQ whole	129.8	22.60	130.0	2.80	NQ whole					
16.0	0.03			HQ whole	135.9	26.60			NQ whole					
19.6	0.07	20.0	2.69	HQ whole	140.6	0.11			NQ whole					
22.0	0.10			HQ whole	142.4	0.06			NQ whole	262.6	0.04			NQ whole
25.0	0.09			HQ whole	145.8	0.07	150.0	2.72	NQ whole	267.0	0.05	269.2	2.74	NQ whole
28.0	0.12			HQ whole	151.0	0.08			NQ whole	271.0	0.13			NQ whole
31.0	0.17			HQ whole	157.0	0.05			NQ whole	277.0	0.21			NQ whole
34.0	0.13			HQ whole	160.0	0.10			NQ whole	283.0	0.24			NQ whole
37.0	0.32			HQ whole	166.0	0.05			NQ whole	285.8	0.16			NQ whole
39.7	3.07	41.0	2.68	HQ whole	169.0	0.04			NQ whole	292.0	0.18			NQ whole
42.2	1.23			HQ whole	171.8	0.01	175.0	2.72	NQ whole	296.8	0.10	300.0	2.74	NQ whole
45.6	0.69			HQ whole	177.9	0.04			NQ whole	302.8	0.14			NQ whole
49.0	0.19			HQ whole	182.6	0.08			NQ whole	304.0	0.11			NQ whole
50.0	0.09	50.0	2.71	NQ whole	184.8	0.05			NQ whole	310.0	0.15			NQ whole
55.0	0.18			NQ whole	188.8	0.03	190.5	2.78	NQ whole	316.0	0.26			NQ whole
58.0	0.19			NQ whole	193.3	0.04	195.5	2.66	NQ whole	322.0	0.16	325.6	2.75	NQ whole
60.5	0.27			NQ whole	197.7	0.03			NQ whole	328.0	0.17			NQ whole
63.6	0.32			NQ whole	199.0	0.04			NQ whole	334.0	0.12			NQ whole
67.0	0.27			NQ whole	202.0	0.03			NQ whole	340.0	0.21			NQ whole
70.0	0.30			NQ whole	205.4	0.05			NQ whole	343.0	0.22			NQ whole
74.0	0.18	75.0	2.72	NQ whole	209.0	0.07			NQ whole	349.0	0.28	351.9	2.66	NQ whole
76.0	0.13			NQ whole	211.0	0.07			NQ whole	352.0	0.27			NQ whole
79.0	0.19			NQ whole	214.0	0.03			NQ whole	EOH				
83.4	0.03			NQ whole	220.0	0.04	220.2	2.73	NQ whole					
85.0	0.15			NQ whole	223.0	0.05			NQ whole					
88.0	0.10			NQ whole	226.0	0.07			NQ whole					
92.4	0.15			NQ whole	229.2	0.05			NQ whole					
93.7	0.22			NQ whole	231.4	0.10			NQ whole					
96.8	0.13			NQ whole	237.4	0.04			NQ whole					
100.0	0.18			NQ whole	238.6	0.07			NQ whole					
102.7	0.23	100.0	2.68	NQ whole	244.0	0.04			NQ whole					
106.2	0.17			NQ whole	250.0	0.05	250.0	2.72	NQ whole					
110.0	0.19			NQ whole	256.0	0.04			NQ whole					
112.0	0.13			NQ whole	258.4	0.12			NQ whole					

041084



?CHESTER
HOST HORIZONS
(EQUIVALENT LITHOLOGIES)

PASMINCO EXPLORATION <small>A Division of Pasminco Australia Limited</small>	
COMPILED : L.W.K. Date: 1992	E.L. 44/88 - BURNS PEAK JV
DRAWN : G.A.B.	CHESTER DAM AREA
REFERENCE :	DRILL SECTION
REVISIONS :	BPD74
	LOOKING NORTH EAST
DRAWING No. BPD74_A3	SCALE 0 10 20 m
	FIG. No. 18

041085