PASMINCO EXPLORATION
DIAMOND DRILL HOLE LOG

Hole ID
BPD83

DRILLING

Location	TASMANIA
Project	BURNS PEAK
Prospect	HOLLWAY
Design By	M S Saxon
Logged By	D Gardner
Relogged	
Commenced	16/1/95
Completed	31/1/95
Drilled By	Contract Diamond Drilling
Drill Rig	Mindrill 55

OBJECTIVE

To test the Hollway Pyrite Zone. Intense silica-sericite-pyrite alteration is well known from the Hollway Rivulet, with a coincident, strong IP, weak UTEM, and weak Zn-Cu wacker anomalies.

RESULT

Approximately 200m of intense silica-sericite-pyrite altered andesite and felsic volcanics were intersected. Not base metal or Au mineralisation was located.

COLLAR SURVEY (AMG)

AMG mN	5382896.5	Bearing	130.0
AMG mE	377912.9	Dip	-45.0
mN		Hole Length	426.7
mE		DH Survey Type	Eastman Camera
RL	380.7		

DOWNHOLE SURVEY (AMG)

Depth	Bearing	Dip
0.0	-45.00	130.00
30.0	-44.50	130.00
66.0	-45.50	130.00
96.0	-45.50	129.00
144.0	-44.00	129.00
174.0	-44.00	130.00
204.0	-44.00	130.00
267.0	-43.50	131.00
297.0	-43.50	131.00
327.0	-43.00	131.50
372.0	-43.00	131.50
426.0	-41.00	132.50

SIGNIFICANT CORE LOSS

POOR GROUND CONDITION ZONES

HOLE SIZE

From	To	Size
0	2	HW
2	50	HQ
50	426.7	NQ

HOLE CONDITIONS AFTER COMPLETION

Collar	
Steel Casing	3m of HW casing remained in top of hole
PVC Casing	48mm PVC to EOH
Ground Water	
Wedge	
Drill Pad	Drilled from road edge. Sump refilled.

SIGNIFICANT INTERSECTIONS

From	To	Int	Cu	Pb	Zn	Ag	Au	Comments

74126

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Vertical Scale 1 : 200

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
0.00	4.20	INTERMEDIATE LAVA Pale, Grey, Fine grained, Porphyritic, Feldspar phyric, Weathered, bleached CONTACT: Indistinct,	Highly Bleached, Highly Oxidised, Moderately Sericitised.		0			
		INTERMEDIATE LAVA Yellow, Brown, Medium grained, Strongly weathered, to clay in places						
4.20	5.00	ANDESITE Grey, Green, Medium grained, Vesicles, Feldspar phyric, Hornblende phyric, Strongly vesicular with chloritised vesicles CONTACT: Indistinct, Abrupt change downhole	Intensely Oxidised.					
5.00	6.80		Moderately Bleached, Moderately Sericitised, Slightly Chloritised.					
6.80	7.40	INTERMEDIATE LAVA AND BRECCIA AND ALTERATION ZONE Pale, Grey, Fine grained, Feldspar phyric, Hornblende phyric, Silica altered, alteration destroys texture in places, brecciated or an epiclastic CONTACT: Indistinct,	Moderately Silicified, Slightly Sericitised.	DISSEMINATED, very minor pyrite associated with alteration.				
7.40	29.00		Slightly Sericitised, Slightly Chloritised.		10			
		ANDESITE Grey, Green, Medium grained, Porphyritic, Massive, Feldspar phyric, Hornblende phyric, Feldspar crystals rapidly fine downhole CONTACT: Indistinct,	Slightly Sericitised, Slightly Chloritised, Ser in vns, fx and replacing Fs and mafic xtal, Hem along a number of fx					
			Moderately Sericitised, Slightly Chloritised, Patches of moderate Ser and/or pk feldspar alteration		20			FRACTURE, A 45, Fx and ser vn at 45 and sub parallel to LCA

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
29.00	96.30	ANDESITE Green, Grey, Fine grained, Medium grained, Massive, Feldspar phyric, Hornblende phyric, Fine feldspar crystals and rare coarse hornblende crystals to 2mm, colour dk grn - gy becomes gradually lighter downhole, some flowbanding 40.4-40.8 CONTACT: Gradational,	Slightly Sericitised, Slightly Chloritised, Patches of moderate Ser and/or pk feldspar alteration		30			VEIN, A 45, Carbonate, Quartz, Sericite, Moderate to strong veining at 45 and sub parallel to LCA
					40			PRIMARY FABRIC, A 40, Flowbanding
			Slightly Sericitised, Slightly Chloritised, Slightly Carbonatised, Patches of moderate Ser and/or pk feldspar alteration, fine carbonate	DISSEMINATED, 2% pyrite in veinlets,	50			

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
			and/or pk feldspar alteration, fine carbonate in matrix					
			Slightly Sericitised, Slightly Chloritised, Slightly Carbonatised, Patches of strong pk feldspar alteration, fine carbonate in matrix		70			
			Slightly Sericitised, Slightly Chloritised, Slightly Carbonatised, Patches of moderate Ser and/or pk feldspar alteration, fine carbonate in matrix					VEIN, A 35, Carbonate, Quartz, Sericite. There is strong carbonate/quartz/sericite veining all down the hole
				trace chalcopyrite in veins,	80			VEIN, Carbonate, V strong
								FAULT Run Breccia

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
								FAULT, Pug, Breccia,
								VEIN, Carbonate, Increase in the frequency of carbonate veining down hole
				DISSEMINATED, trace pyrite in veins.	90			
96.30	97.00	ANDESITE AND BRECCIA Green, Grey, Fine grained, Medium grained, Brecciated, Hyaloclastitic, Feldspar phyric, Hornblende phyric, Crystal, CONTACT: Gradational,		DISSEMINATED, very minor pyrite on fractures, pyrite in mx between bx fragments.				
97.00	101.70	ANDESITE Green, Grey, Medium grained, Porphyritic, Massive, Feldspar phyric, Hornblende phyric, Crystal, Feldspar crystals to 1mm, hornblende crystals to 3mm CONTACT: Conformable abrupt, at 45 degrees to Possible inclusion of clast of lower unit at contact		DISSEMINATED, very minor pyrite in veins, also pyrite along some fractures.				PRIMARY FABRIC, A 50, Flowbanding
					100			
101.70	108.00	ANDESITE Green, Grey, Medium grained, Coarse grained, Porphyritic, Massive, Feldspar phyric, Hornblende phyric, Crystal, CONTACT: Conformable abrupt, at 40 degrees to	Slightly Sericitised, Slightly Chloritised, Slightly Carbonatised, Ser and/or clt alteration of phenocrysts and in ground mass, moderate in patches; patches of pk feldspar alteration, especially 108-114m, 126.4-128m, 152.6-161m; fine carbonate in matrix in most of the interval					VEIN, Carbonate, Quartz, 5cm wide, strong carbonate quartz veining throughout the hole
108.00	117.00	INTERMEDIATE LAVA Grey, Medium grained, Massive, Crystal, CONTACT: Gradational,		DISSEMINATED, 0.1% pyrite in veins.				
				DISSEMINATED, trace pyrite in veins, trace pyrite disseminated.	110			FAULT, A 60, Pug, 5cm wide

5 cm

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DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
117.00	126.60	INTERMEDIATE LAVA Grey, Medium grained, Coarse grained, Porphyritic, Massive, Feldspar phyric, Hornblende phyric, Crystal, CONTACT: Conformable abrupt,						
126.60	127.60	INTERMEDIATE LAVA AND BRECCIA Grey, Pink, Medium grained, Brecciated, Hyaloclastitic, Feldspar phyric, Hornblende phyric, Crystal, Interflow breccia or auto brecciated lava margin		trace chalcopyrite in veins.	120			PRIMARY FABRIC, A 45, Possible primary fabric indicated by phenocryst orientation
127.60	142.70	CONTACT: Conformable abrupt, INTERMEDIATE LAVA Dark, Grey, Fine grained, Medium grained, Massive, Crystal, CONTACT: Gradational,		DISSEMINATED, trace pyrite in veins.	130			
					140			

5 cm

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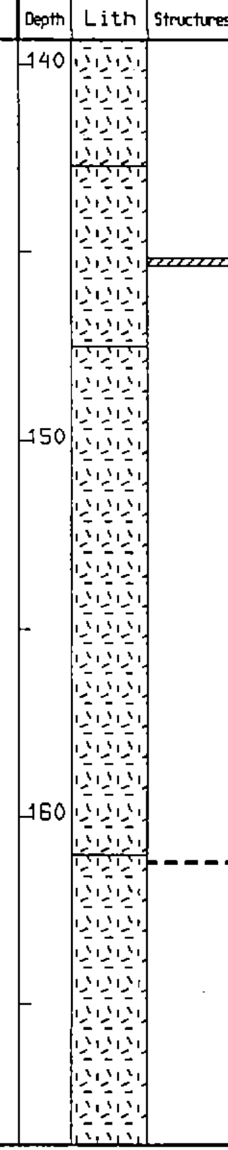
From	To	LITHOLOGY	ALTERATION	MINERALISATION	STRUCTURES
142.70	147.50	INTERMEDIATE LAVA Dark, Grey, Fine grained, Aphyric, Massive, Felsic lava CONTACT: Gradational,			VEIN, Carbonate, 10cm zone of intense carbonate veining, note quartz/carbonate veining is strong right through the hole
147.50	161.00	INTERMEDIATE LAVA Dark, Grey, Fine grained, Medium grained, Massive, Feldspar phyric, Dark grey green with a number of pink patches CONTACT: Indistinct,			
161.00	169.80	INTERMEDIATE LAVA AND BRECCIA Grey, Pink, Brecciated, Feldspar phyric, Altered felsic lava, veining after fracturing and brecciation CONTACT: Gradational,	Highly Silicified, Moderately Sericitised, Patches of strong pk Feldspar alteration Slightly Sericitised, Slightly Chloritised, Slightly Carbonatised, Patches of moderate pk Feldspar alteration especially 163.5-169.8m; some slightly silicified patches?		FAULT, A 70, 5cm

GRAPHIC



5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
			patches?					
		INTERMEDIATE LAVA Grey, Medium grained, Coarse grained, Porphyritic, Feldspar phyric, Hornblende phyric, Crystal, Altered lava, some chlorite altered hornbende phenocrysts to 3mm CONTACT: Faulted,			170			FAULT, Pug, Shear, 5cm
169.80	170.30							
170.30	176.10			DISSEMINATED, minor pyrite in veins, trace sphalerite in veinlets, DISSEMINATED, minor pyrite in veins, trace sphalerite in veinlets, trace galena in veinlets,				
		INTERMEDIATE LAVA Grey, Green, Fine grained, Massive, Flow banded, Altered lava, flowbanding lower in interval at 40 to LCA CONTACT: Conformable abrupt, at 35 degrees to						
		INTERMEDIATE LAVA AND BRECCIA Grey, Green, Medium grained, Brecciated, Hyaloclastitic, Feldspar phyric, Hornblende phyric, Crystal, Interflow breccia and/or hyaloclastite margin of lava, minimal reworking of fragments, many have a jigsaw fit CONTACT: Conformable abrupt, at 50 degrees to						
176.10	177.05		Slightly Quartz-sericite-pyrite, Slightly Chloritised, Slightly Carbonatised, Increase in degree of alteration	DISSEMINATED, minor pyrite in veins, pyrite also in mx between breccia fragments.				
177.05	207.90			DISSEMINATED, minor pyrite in veins, very minor pyrite disseminated, pyrite locally to 2% in veins and breccia zones.	180			
		INTERMEDIATE LAVA WITH MINOR BRECCIA Grey, Green, Medium grained, Massive, Hyaloclastitic, Feldspar phyric, Hornblende phyric, Crystal, Altered felsic lava porphyritic in places, with auto?breccia intervals (<20cm) at 177.6m, 178.2m, 182.6m; possible flowbanding at 20 to LCA at 187m, a green mineral possibly fuchsite around 177m CONTACT: Indistinct, Intrusive? obscured by alteration			190			PRIMARY FABRIC, A 30, Floubanding?

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
207.90	209.20	INTERMEDIATE INTRUSIVE GRADING WITH BASIC INTRUSIVE Green, Grey, Fine grained, Massive, Dyke? less altered than surrounding rocks CONTACT: Indistinct, Intrusive? obscured by alteration	Slightly Sericitised, Slightly Chloritised, Slightly Carbonatised, Less altered dyke?	DISSEMINATED, trace pyrite disseminated.	200			
209.20	213.80	ALTERATION ZONE Pale, Grey, Strongly altered lava CONTACT: Indistinct, Obscured by alteration, probably conformable	Highly Quartz-sericite-pyrite, Highly Detextured,	DISSEMINATED, minor pyrite disseminated, abundant in veins, pyrite locally to 1%.	210			
213.80	215.30	RHYOLITE Pink, Grey, Fine grained, Massive, Rare phenocrysts CONTACT: Conformable abrupt, at 35 degrees to Some brecciation of lower unit and inclusions of rhyolite in top of lower unit, flow top	Moderately Silicified, M pk Feldspar alteration	DISSEMINATED, very minor pyrite disseminated.				
215.30	218.60	INTERMEDIATE LAVA AND BRECCIA Green, Grey, Medium grained, Brecciated, Hyaloclastitic, Feldspar phyric, Hornblende phyric, Possible inclusion of lower unit at 218.0, altered at base CONTACT: Indistinct, Obscured by alteration	Slightly Silicified, Slightly Sericitised, Slightly Carbonatised, And chlorite alteration	DISSEMINATED, 0.5% pyrite disseminated.				VEIN, A 45, Carbonate, 10cm carbonate vein, note carbonate/quartz +/- pyrite is common downhole
218.60	222.00	RHYOLITE Pink, Grey, Fine grained, Massive, CONTACT: Conformable abrupt, at 45 degrees to	Slightly Silicified, M pk Feldspar alteration	DISSEMINATED, trace pyrite disseminated.	220			
222.00	223.00	INTERMEDIATE LAVA AND BRECCIA AND CONGLOMERATE Green, Grey, Some clasts of rhyolite? s/rnd from lower unit? CONTACT: Conformable abrupt, at 45 degrees to Contact partly faulted	Moderately Quartz-sericite-pyrite,	DISSEMINATED, 0.5% pyrite disseminated. py in vn and between bx fragments.				FAULT, A 45,
223.00	224.70	CONGLOMERATE CONTAINING CLASTS OF RHYOLITE AND INTERMEDIATE LAVA Green, Pink, Very coarse grained,						

5 cm

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223.00	224.70	CONGLOMERATE CONTAINING CLASTS OF RHYOLITE AND INTERMEDIATE LAVA Green, Pink, Very coarse grained, Reworked, Clast supported, Polymict, Clasts s/ang to s/rnd up to 5cm CONTACT: Indistinct, Obscured by alteration						
224.70	229.10	ALTERATION ZONE Grey, Green, Inclusions of clasts of rhyolite toward base of interval CONTACT: Indistinct, Obscured by alteration	Highly Quartz-sericite-pyrite, Moderately Detextured. Moderately Quartz-sericite-pyrite.	DISSEMINATED, very minor pyrite disseminated.				
229.10	239.00	ANDESITE Green, Grey, Medium grained, Massive, Feldspar phyric, Hornblende phyric, Distinct zoning of alteration/bleaching around fractures (234-239), becomes coarser towards base of interval CONTACT: Indistinct, Possible contact, mnr brecciation			230			
239.00	253.20	INTERMEDIATE LAVA Green, Grey, Medium grained, Flow banded, Mnr brecciation in places (241.3,246.6),wk flow foln 45 to LCA around 240m, developement of a perlitic?? texture around 242m CONTACT: Gradational,	Moderately Quartz-sericite-pyrite, Slightly Detextured, Slightly Bleached, Patches of strong alteration, mnr pk Feldspar alteration	DISSEMINATED, pyrite associated with	240 250			A 90, Shear, Minor PRIMARY FABRIC, A 45, Flow foliation

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
			Intensely Sericitised, Patch of ser alteration/vn	DISSEMINATED, pyrite associated with alteration, 0.5% in veins,				
253.20	255.60	INTERMEDIATE LAVA Green, Pink, Fine grained, Medium grained, Feldspar phyric, Hornblende phyric, CONTACT: Conformable abrupt, at 45 degrees to	Highly Quartz-sericite-pyrite, Moderately Detextured, Moderately Bleached, Moderate pk Feldspar alteration					VEIN, Sericite, Quartz, Note strong quartz/carbonate/sericite/ +/- pyrite veining downhole
255.60	267.20	RHYOLITE Pink, Grey, Fine grained, Medium grained, Massive, Aphyric, Bleached or pink around fractures, becomes very bleached towards base of interval CONTACT: Gradational, Contact obscured by alteration		DISSEMINATED, minor pyrite disseminated, py locally abundant in vns.	260			
		ALTERATION ZONE AND ACID LAVA Cream, Grey, Brecciated, Matrix supported, Sericite vn/alteration brecciating lava CONTACT: Indistinct, Intrusive contact?	Intensely Sericitised, Patch of ser alteration/vn	DISSEMINATED, pyrite associated with alteration, 2% in veins,				
267.20	267.60							
267.60	270.90	INTERMEDIATE INTRUSIVE GRADING WITH BASIC INTRUSIVE Dark, Green, Fine grained, Massive, Dyke? or andesite lava, less altered than surrounding rock CONTACT: Conformable abrupt, at 40 degrees to Intrusive?, obscured by alteration	Moderately Sericitised, Slightly Chloritised, Slightly Carbonatised.	DISSEMINATED, trace pyrite disseminated,	270			
		INTERMEDIATE LAVA AND ALTERATION ZONE Grey, Altered lava CONTACT: Indistinct, Obscured by alteration, lower intrusive? is brecciated? at contact	Highly Quartz-sericite-pyrite, Moderately Detextured,	DISSEMINATED, pyrite associated with alteration, 1% in veins,				
270.90	272.10							
272.10	273.60	INTERMEDIATE INTRUSIVE GRADING WITH BASIC INTRUSIVE Dark, Green, Medium grained, Porphyritic, Vitric, Wisps, Feldspar phyric, Dyke?, or andesite lava, chloritised wisps of glass?, some phenocrysts. CONTACT: Conformable abrupt, at 35 degrees to Intrusive? possible chilled margin	Slightly Sericitised, Slightly Chloritised, Slightly Carbonatised, Less altered dyke?	DISSEMINATED, trace pyrite disseminated,				
273.60	280.20		Highly Quartz-sericite-pyrite, Moderately Detextured,	DISSEMINATED, very minor pyrite disseminated,				
		ALTERATION ZONE GRADING WITH INTERMEDIATE LAVA GRADING WITH ACID LAVA Grey, Altered felsic lava CONTACT: Gradational, Probably an alteration zoning						
					280			
280.20	285.50	INTERMEDIATE LAVA Grey, Green, Medium grained, Altered		DISSEMINATED, pyrite associated with				

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
280.20	286.60	INTERMEDIATE LAVA Grey, Green, Medium grained, Altered felsic lava CONTACT: Gradational, Probably an alteration zoning	Moderately Silicified, Slightly Sericitised, Slightly Carbonatised,	DISSEMINATED. pyrite associated with alteration, abundant in veins, py locally to 5% in vn.	280			
286.60	307.50	ALTERATION ZONE GRADING WITH ACID LAVA Grey, Very altered lava CONTACT: Gradational, Obscured by alteration	Highly Quartz-sericite-pyrite. Moderately Detextured,	DISSEMINATED, very minor pyrite disseminated.	290			
				DISSEMINATED. pyrite disseminated, minor in veins, py common (except in basic dykes) and locally to 2%.	300			
307.50	313.50	INTERMEDIATE LAVA Grey, Green, Medium grained, Altered intermediate lava	Moderately Sericitised, Slightly Silicified					

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
307.50	313.50	INTERMEDIATE LAVA Grey, Green, Medium grained, Altered intermediate lava CONTACT: Conformable abrupt, ?very abrupt contact, lithologic?	Moderately Sericitised, Slightly Silicified, Slightly Carbonatised.		310			
313.50	319.50	ALTERATION ZONE GRADING WITH ACID LAVA Grey, White, Very altered lava CONTACT: Conformable abrupt, ? abruptcontact, probably lithologic?	Highly Quartz-sericite-pyrite, Moderately Detextured.					FAULT, Pug.
319.50	323.00	INTERMEDIATE LAVA Green, Grey, Medium grained, Flow banded, Feldspar phyric, Variable alteration makes rocks look v different within interval, some flow textures at 40 to LCA CONTACT: Indistinct, Obscured by alteration	Moderately Quartz-sericite-pyrite, Moderately Sericitised, Slightly Carbonatised, Moderately Quartz-sericite-pyrite,		320			FAULT, Pug.
323.00	326.80	ACID LAVA Grey, Fine grained,	Highly Quartz-sericite-pyrite, Pk Feldspar alteration					
326.80	328.50	INTERMEDIATE LAVA Grey, Green, Medium grained, Altered lava CONTACT: Indistinct, Contact obscured, mnr brecciation	Moderately Quartz-sericite-pyrite, Slightly Carbonatised.					FAULT, A 40, FAULT, A 40,
328.50	343.30	ALTERATION ZONE GRADING WITH ACID LAVA GRADING WITH INTERMEDIATE LAVA Pale, Grey, V altered lava, some less altered patches (eg 336, 342m) with relict flowbanding 40 to LCA defined by chlorite/pyrite clots (amygdales?), brecciation at 332.3 and 333.5m CONTACT: Faulted, at 80 degrees to	Highly Quartz-sericite-pyrite, Moderately Detextured, Moderately Bleached.	DISSEMINATED, pyrite disseminated, associated with alteration, 1% in veins, strong pyrite developement especially in veins and breccia zones.	330			

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
			Moderately Quartz-sericite-pyrite, Slightly Carbonatised.		340			
			Highly Quartz-sericite-pyrite, Moderately Detextured, Moderately Bleached.					
343.30	345.70	INTERMEDIATE INTRUSIVE GRADING WITH BASIC INTRUSIVE Dark, Green, Fine grained, Medium grained, Dyke or lava?, much less altered than surrounding rocks CONTACT: Conformable abrupt, at 20 degrees to Intrusive contact? bleaching at bottom of dyke		VEIN, very minor pyrite				FAULT.
			Moderately Sericitised, Slightly Chloritised, Slightly Carbonatised, Some silicification?					
345.70	354.30	ALTERATION ZONE GRADING WITH ACID LAVA GRADING WITH INTERMEDIATE LAVA Pale, Grey, V altered lava CONTACT: Conformable abrupt, at 45 degrees to Intrusive contact? bleaching of dyke	Highly Quartz-sericite-pyrite, Moderately Detextured,	DISSEMINATED, pyrite associated with alteration, minor in veins, py common with local strong developement in veins and with strong silicification.	350			
354.30	357.60	INTERMEDIATE INTRUSIVE GRADING WITH BASIC INTRUSIVE Dark, Green, Fine grained, Medium grained, Flow banded, Feldspar phyric, Dyke or lava?,much less altered than surrounding rocks, flowbanding at 30 to LCA CONTACT: Conformable abrupt, at 30 degrees to Intrusive contact? bleaching of dyke?	Moderately Sericitised, Slightly Carbonatised, Slightly Chloritised.					
357.60	359.60	ALTERATION ZONE GRADING WITH ACID LAVA Pale, Grey, V altered lava CONTACT: Conformable abrupt, at 45 degrees to Intrusive contact?	Highly Quartz-sericite-pyrite.					
359.60	363.40	INTERMEDIATE INTRUSIVE GRADING WITH BASIC INTRUSIVE Dark, Green, Fine grained, Medium grained, Dyke or lava? less altered than surroundings CONTACT: Gradational,	Moderately Sericitised, Slightly Carbonatised, Slightly Chloritised.	DISSEMINATED, pyrite associated with alteration, 0.2% in veins, py common with local strong developement in veins and with strong silicification.	360			
363.40	367.50	BRECCIA AND BASIC INTRUSIVE GRADING WITH INTERMEDIATE LAVA Grey, Green, Fine grained, Very coarse grained, Brecciated, Small patches of int-basic volcanic (blocks	Moderately Quartz-sericite-pyrite, Patches of strong					

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
363.40	367.50	LAVA Grey, Green, Fine grained, Very coarse grained, Brecciated, Small patches of int-basic volcanic (blocks of lava?, small dykes?) and polymict breccia of silicified lava fragments and more basic volcanics CONTACT: Gradational,	Moderately Quartz-sericite-pyrite. Patches of strong alteration, and some less altered sections with carbonate, chlorite					
367.50	368.70	ALTERATION ZONE GRADING WITH ACID LAVA Pale, Grey, V altered lava CONTACT: Gradational,	Highly Quartz-sericite-pyrite.					
368.70	369.90	BRECCIA WITH MINOR BASIC INTRUSIVE Grey, Green, Medium grained, Very coarse grained, Brecciated, Matrix supported, Polymict, Breccia with fragments of int and sil lava, 20cm of basic dyke with calcite filled amygdales? CONTACT: Gradational,	Moderately Quartz-sericite-pyrite. Patches of strong alteration, dyke is much les altered	DISSEMINATED, pyrite associated with alteration, 2% in veins, strong pyrite developement.				
369.90	384.30	ALTERATION ZONE GRADING WITH ACID LAVA Pale, Grey, Hyaloclastitic, Peperitic, Altered lava, autobrecciated? with a possible pepperitic texture, silicified lava is broken by streaky sericite rich patches that may have been sediment. 374.5-374.9m large block ofless altered rock CONTACT: Conformable abrupt, at 55 degrees to Intrusive contact?	Highly Quartz-sericite-pyrite. Except for less altered dykes		370			
384.30	384.90	BASIC INTRUSIVE GRADING WITH INTERMEDIATE INTRUSIVE Dark, Green, Fine grained, Medium grained, Feldspar phyric, Dyke or lava? CONTACT: Conformable abrupt, at 45 degrees to Intrusive contact	Moderately Sericitised, Slightly Carbonatised, Slightly Chloritised.		380			
384.90	388.60	BRECCIA WITH MINOR BASIC INTRUSIVE Grey, Green, Medium grained, Very coarse grained, Brecciated, Polymict, Breccia with blocks/patches of altered lava and less altered basic volcanics (dykes?), strongly faulted CONTACT: Faulted, at 60 degrees to	Moderately Quartz-sericite-pyrite. Highly Quartz-sericite-pyrite.				FAULT, A 60. FAULT, A 50.	
388.60	391.90	BASIC INTRUSIVE GRADING WITH INTERMEDIATE INTRUSIVE Dark, Green, Fine grained, Medium grained, Feldspar phyric, Dyke or lava? mostly mg with a section of fg rock (dyke within a dyke?) 390.8-391.8m CONTACT: Conformable abrupt, at 60 degrees to	Moderately Sericitised, Slightly Carbonatised, Slightly Chloritised.	DISSEMINATED, very minor pyrite	390		FAULT, A 60.	
391.90	396.50	Microfaulting on contact, bleaching of basic rock at	Intensely	DISSEMINATED, pyrite associated with				

5 cm

PASMINCO EXPLORATION

DIAMOND DRILL CORE LOG

HOLE No. BPD83

PROJECT: BURNS PEAK

Vertical Scale 1 : 200

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
391.90	396.50	CONTACT: Conformable abrupt, at 60 degrees to Microfaulting on contact, bleaching of basic rock at contact	Intensely Quartz-sericite-pyrite,	DISSEMINATED, pyrite associated with alteration, 2% in veins, 5%				Shear.
		ALTERATION ZONE GRADING WITH ACID LAVA Pale, Grey, V altered volcanic CONTACT: Gradational,						
396.50	402.60	BRECCIA AND ALTERATION ZONE GRADING WITH ACID LAVA Grey, Medium grained, Very coarse grained, Brecciated, Polymict, Blocks of rhyolite? (pk) and less altered intermediate lava in altered volcanic CONTACT: Gradational,	Moderately Quartz-sericite-pyrite, Highly Quartz-sericite-pyrite,	DISSEMINATED, pyrite associated with alteration, 1% in veins, strong pyrite developement locally to 5% in vn and bx?, v mnr py in basic dykes.	400			
402.60	406.00	ALTERATION ZONE GRADING WITH ACID LAVA Pale, Grey, V altered volcanic, still some indications of a brcciated texture in places CONTACT: Gradational,	Highly Quartz-sericite-pyrite,					
406.00	410.00	ACID LAVA GRADING WITH ALTERATION ZONE Grey, Medium grained, Coarse grained, Brecciated, Altered lava some indications of brecciarion, and some streaky strongly sericitic patches (relict pepperitic? texture) CONTACT: Gradational,	Moderately Quartz-sericite-pyrite, Highly Quartz-sericite-pyrite,					
410.00	415.20	ACID LAVA Grey, Pink, Medium grained, Brecciated, Altered lava, rhyolitic? (pk), lots of healed fractures CONTACT: Indistinct,	Moderately Quartz-sericite-pyrite, Some pk Feldspar alteration		410			
		INTERMEDIATE LAVA ACID LAVA Grey, Coarse grained, Clots of chlorite and pyrite (amygdales?) define a flow fabric at 30 to LCA CONTACT: Conformable abrupt, at 20 degrees to Intrusive contact						
415.20	416.80	BASIC INTRUSIVE GRADING WITH INTERMEDIATE INTRUSIVE Green, Fine grained, Flow banded, Feldspar phyric, Flow texture at 20 to LCA, bleacing at chilled margins, inclusions of upper unit at contact CONTACT: Conformable abrupt, at 20 degrees to Intrusive contact	Moderately Sericitised, Moderately Bleached, Slightly Carbonatised,					
416.80	417.60							
417.60	419.90		Highly Quartz-sericite-pyrite,					
419.90	426.60	ALTERATION ZONE GRADING WITH ACID LAVA GRADING WITH BRECCIA Grey, Some textures imply brecciated fragments of	Moderately		420			

5 cm

PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

HOLE No. BPD83

PROJECT: BURNS PEAK

Vertical Scale 1 : 200

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
419.90	426.60	ALTERATION ZONE GRADING WITH ACID LAVA GRADING WITH BRECCIA Grey, Some textures imply brecciated fragments of less altered lava, or possibly pepperitic texture, but these may well be alteration feature CONTACT: Indistinct,	Moderately Quartz-sericite-pyrite, Slightly Chloritised.		420			
		INTERMEDIATE LAVA GRADING WITH ACID LAVA WITH MINOR BASIC INTRUSIVE Grey, Coarse grained, Flow banded, Clots to 1cm of containing pyrite and chlorite (amygdales?) define a flow fabric at 40 to LCA, at 422m is a 30cm bleached fg basic dyke with sharp contacts at 40 to LCA	Moderately Sericitised, Moderately Bleached.					
			Moderately Quartz-sericite-pyrite, Slightly Chloritised.		430			
					440			

5 cm