

PASMINGO EXPLORATION DIAMOND DRILL HOLE LOG

Hole ID
CP7

DRILLING			OBJECTIVE				COLLAR SURVEY (AMG)										
Location	EL 44/88 BURNS PEAK		CP7 was extended to test the lower part of the Brown's Tunnel Host Sequence and the Pinnacles Shear zone beneath mineralization in Thomas's Tunnel.				AMG mN	5384406.5	Bearing	-45.0							
Project	BURNS PERK						AMG mE	377349.5	Dip	102.0							
Prospect	THOMAS'S TUNNEL						mN		Hole Length	301.6							
Design By	R.Paltock						mE		DH Survey Type	Eastman Camera							
Logged By	R.Paltock						RL	402.9									
Relogged							RESULT										
Commenced	15/11/1994						The hole intersected sericitized mass flows and silicified and pyritic siltstone. Subeconomic zinc mineralization was intersected with minor copper and lead. The host / footwall contact was in the predicted position.				DOWNHOLE SURVEY (AMG)						
Completed	22/11/1994										Depth	Bearing	Dip				
Drilled By	East Coast Diamond Drilling										15	102	-45.5				
Drill Rig	Longyear 38										40	102	-46				
			65	102	-46												
SIGNIFICANT CORE LOSS			POOR GROUND CONDITION ZONES				102	100	-42								
							125	102	-41								
							151	104	-40								
							170	107	-41								
							200.7	113	-38								
							250	117.5	-37								
							300	120.5	-37								
HOLE SIZE			HOLE CONDITIONS AFTER COMPLETION														
From	To	Size	Collar		HQ casing.												
200.6	301.6	NQ	Steel Casing		0-301.6m												
			PVC Casing														
			Ground Water														
			Wedge														
			Drill Pad														
SIGNIFICANT INTERSECTIONS																	
From	To	Int	Cu	Pb	Zn	Ag	Au	Comments									
210	240	30		0.3	0.47	6.1		Altered felsic volcanoclastics with disseminated and veinlet sulphides.									


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PASMINCO EXPLORATION
 DIAMOND DRILL CORE LOG
 Vertical Scale 1 : 200

HOLE No. CP7

PROJECT: BURNS PEAK

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DESCRIPTION				GRAPHIC				
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
0.00	65.00	ACID LAVA Fine grained, Brecciated, Feldspar phyrlic, Quartz phyrlic,			0			

5 cm

241076

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DESCRIPTION						GRAPHIC		
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					30			
					40			
					50			

5 cm




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PRSMINCO EXPLORATION
 DIAMOND DRILL CORE LOG
 Vertical Scale 1 : 200

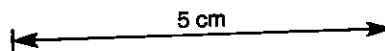
HOLE No. CP7

PROJECT: BURNS PEAK

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DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					60			
65.00	69.00	FAULT ZONE (PUG) Fault zone within sericitized/kaolinized/slightly pyritic siltstone.						
69.00	93.00	PUMICEOUS MASS FLOW Feldspar phyric pumice breccias with siltstone lithics. Variable sericite/chlorite/carbonate altered.			70			
					80			

5 cm




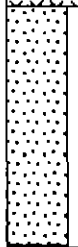
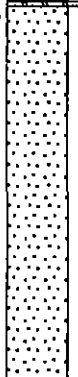
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PRSMINGU EXPLORATION
DIAMOND DRILL CORE LOG
Vertical Scale 1 : 200

HOLE No. CP7

PROJECT: BURNS PEAK

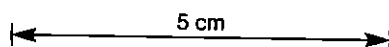
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DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					90			
93.00	99.40	SANDSTONE Siltstone/vitric siltstone/sandstone sequence. Sericite pyrite altered.						
		FAULT ZONE (PUG)						
99.40	99.95	ACID LAVA Peperitic, Pinnacles rhyolite peperite.			100			
		SANDSTONE Brown-pink crystal-lithic sandstone, common grey silty interbeds; minor brecciation; common felsic clasts;			110			

5 cm

741079

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
122.30	124.00	SILTSTONE			120			
124.00	136.00	CONGLOMERATE Lithic conglomerate grading to crystal-lithic sandstone; clasts of vitric sediment and felsic lava;			130			
136.00	140.50	RHYOLITE Peperitic,			140			



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

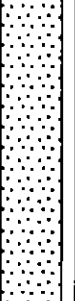
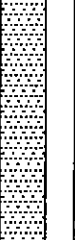
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DESCRIPTION				GRAPHIC			STRUCTURES
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures
140.50	149.70	MASS FLOW Up hole younging mass debris flow unit.			140		
149.70	153.50	RHYOLITE Peperitic, Feldspar quartz phyric lava.			150		
153.50	161.80	SANDSTONE Crystal-lithic sandstone, minor breccia;			160		
161.80	197.00	SILTSTONE Bedded grey siltstone with interbedded crystal sandstone; commonly cherty;					

5 cm

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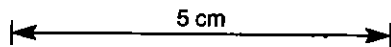
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DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					170	[Stippled Lithology Column]		
					180			
					190			

5 cm

741082

DESCRIPTION					GRAPHIC			STRUCTURES
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
197.00	206.60	RHYOLITE Peperitic,			200			
			Moderately Silicified, Slightly Sericitised, Mixed siltstone felsic mass flow, siltstone silicified and mass flows sericitized.	DISSEMINATED, 0.5% pyrite disseminated, trace sphalerite in veinlets, trace carbonate in veinlets, Scattered carbonate sphalerite veinlets..				PRIMARY FABRIC, A 20, Folded, Black laminated siltstone, soft sediment deformation, LCPs vary from 20 - 80.
206.60	211.85	<p>MASS FLOW MIXED WITH SILTSTONE MIXED WITH SANDSTONE Cream, Fine grained, Brecciated, Crystal, Lithic, Brecciated (soft sediment) fine grained pumiceous mass flow with a matrix of grey silicified siltstone and sericitized quartz crystal sandstone. Pumiceous mass flow occurs as angular fragments <3cm, frequently with a jig-saw fit.</p> <p>CONTACT: Unassigned, Erosional contact, a marked unconformity caused by soft sediment deformation.</p>			210			PRIMARY FABRIC, A 45, Facing uphole, Black laminated siltstone with LCA30, overlain by felsic mass debris flow with LCA45. Contact is an erosional surface.
		INTERBEDDED WITH SILTSTONE Black, Grey, Fine grained, Laminated, Massive, Unaltered siltstone black to silicified siltstone pale grey.						
211.85	225.10	<p>SILTSTONE Black, Fine grained, Laminated, Calcareous, Layering frequently contorted, as a result of soft sediment deformation.</p> <p>CONTACT: Faulted,</p>	Slightly Carbonatised, Grey siltstone and interbedded fine grained sandstone, both are calcareous. This carbonate may be primary or due to alteration.	DISSEMINATED, trace pyrite disseminated, 0.5% sphalerite in veinlets, carbonate in veinlets, Scattered carbonate sphalerite veinlets, Pyrite disseminated and thin bands on bedding..				PRIMARY FABRIC, D 30,
		INTERBEDDED WITH SANDSTONE Grey, Fine grained, Medium grained, Bedded, Calcareous, Some sandstone with abundant <1mm carbonate fragments, may be primary or an alteration effect. At 215.2m disrupted bedding occurs, possibly caused by dewatering. Sandstone beds are <12cm thick.						PRIMARY FABRIC, D 45,
		WITH MINOR SANDSTONE Grey, Coarse grained, Matrix supported, Angular fragments of felsic volcanics and pyrite in siltstone matrix.						FAULT, A 45, Annealed, Healed with carbonate sphalerite veining.
		MASS FLOW Grey, Green, Medium grained, Cleaved, Massive, Crystal, Lithic, Intensely sericite pyrite altered mass flow. Matrix with abundant quartz grains <1mm. Lithics include felsic volcanics and sericitized pumice.			220			FAULT, A 30, Annealed, Healed with carbonate sphalerite veining.
		CONTACT: Faulted, at 45 degrees to Probably a minor		DISSEMINATED, trace pyrite disseminated, 1% galena in veinlets, 0.5% sphalerite in veinlets, Pyrite disseminated and in semi-massive bands				PRIMARY FABRIC, A 5,
								PRIMARY FABRIC, A 10,
								PRIMARY FABRIC, A 35,



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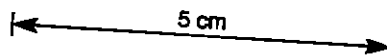
DESCRIPTION		GRAPHIC				
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth Lith Structures STRUCTURES	
		include felsic volcanics and sericitized pumice. CONTACT: Faulted, at 45 degrees to Probably a minor structure, slip on contact.		in general in veinlets, trace sphalerite in veinlets, Pyrite disseminated and in semi-massive bands..		PRIMARY FABRIC, A 10.
225.10	226.65	SILTSTONE Grey, Fine grained, Brecciated, Bedded, Stylolites, Pale grey silicified siltstone, frequently with breccia texture which has been enhanced by sericite/pyrite stylolites?, some sericite may be altered pumice fragments. Siltstone bedded to laminated, layering ghosted by silicification. CONTACT: Conformable abrupt, at 70 degrees to	Highly Sericitised, Felsic mass flow/ pumice breccia. Adjacent siltstone silicified.	DISSEMINATED, 2% pyrite disseminated, trace sphalerite in veinlets,		PRIMARY FABRIC, A 35.
226.65	230.70	WITH MINOR SANDSTONE Grey, Fine grained, Bedded, WITH MINOR MINERALISATION ZONE Pyrite as irregular lenses and masses between 229.20-230.70m.	Intensely Silicified, Silicified siltstone.	STRINGER, 1% pyrite as stringers, trace galena in veinlets, sphalerite in veinlets.	230	PRIMARY FABRIC, A 60.
230.70	233.10	MASS FLOW Grey, Green, Medium grained, Cleaved, Lithic, Sericite pyrite altered matrix supported mass flow. Lithics include silicified and sericitized felsic volcanics. CONTACT: Conformable abrupt, at 70 degrees to	Highly Sericitised, Pumice breccia.	STRINGER, 5% pyrite as stringers, trace chalcopyrite as stringers, Pyrite in fine grained irregular stringers and semi-massive masses. Chalcopyrite stringers between 229.80-229.90m..		FIRST CLEAVAGE, A 60, Spaced,
233.10	241.20	SILTSTONE Grey, Fine grained, Bedded, Cream-grey-dark grey siltstone, massive to laminated, mostly silicified with pyrite lenses between 233.1-234.65m CONTACT: Gradational, at 45 degrees to Gradational contact, the top of an up-hole facing mass flow unit. WITH MINOR SANDSTONE Grey, Fine grained, Bedded, Pyritic and silicified.	Moderately Silicified, Siltstone.	DISSEMINATED, 2% pyrite disseminated, 0.5% sphalerite in veinlets.	240	PRIMARY FABRIC, A 70, FAULT, A 45, Brittle, Crush zone, margins 45LCA.
241.20	250.15	MASS FLOW Cream, Fine grained, Bedded, Sandstone between 241.20-246.50m, top of a mass debris flow unit, upper part of sandstone is bedded and the lower part massive. CONTACT: Gradational, GRADING TO MASS FLOW Cream, Medium grained, Bedded, Lithic, Sandstone between 246.50-249.65m. Mass flow sandstone, lithic, matrix supported with minor sandstone lenses (flame/load structures at base). Lithics <4cm and include silicified siltstone/sandstone, sericitized pumice and pyrite (pyrite may be cavity fill?). CONTACT: Gradational, GRADING TO PUMICEDUS MASS FLOW Cream, Medium grained, Cleaved, Feldspar phyric, Pumice breccia between 249.65-250.15m. Feldspar phenocrysts pink carbonate altered. CONTACT: Gradational,	Slightly Sericitised, Slightly Carbonatised, Carbonatization of feldspar phenocrysts.	DISSEMINATED, 1% pyrite disseminated, Pyrite disseminated and as fine grained clasts/alteration patches..	250	PRIMARY FABRIC, A 60, PRIMARY FABRIC, A 60.
250.15	269.30	SANDSTONE Grey, Fine grained, Massive, 250.10-256.10m sandstone top of a mass debris flow unit. Quartzose,	Slightly Sericitised,			FAULT, D 45, Annealed.

5 cm

241084

DESCRIPTION				GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures
		<p>SANDSTONE Grey, Fine grained, Massive, 250.10-256.10m sandstone top of a mass debris flow unit. Quartzose, flecked with dark grey lithics or sulphide plus spots of pyrite (possibly replacing feldspar crystals?). Includes minor medium grained, dark grey pumiceous sandstone lenses. CONTACT: Faulted, at 20 degrees to Contact at 269.30m faulted.</p>					<p>FAULT, D 45. Annealed. Healed with carbonate veining.</p>
		<p>GRADING TO SANDSTONE Cream, Coarse grained, Massive, Lithic, 256.10-264.20m lithic sandstone, clasts include silicified/pyritic sandstone (<3cm) and abundant fine sericitized pumice fragments. CONTACT: Gradational.</p>			260		
		<p>GRADING TO PUMICEOUS MASS FLOW Cream, Medium grained, Bedded, Feldspar phyric, 264.20-269.30m pumice breccia, feldspar crystals carbonatized. CONTACT: Gradational.</p>					
269.30	271.25	<p>SANDSTONE Grey, Green, Medium grained, Massive, Pumiceous, Mass flow sandstone, possibly the top of underlying pumice breccia. Sandstone flecked with fine black siltstone fragments. CONTACT: Faulted, at 60 degrees to Possibly faulted, contact marked by vein.</p>				270	<p>FAULT, R 10.</p>
271.25	301.60	<p>PUMICEOUS MASS FLOW Cream, Medium grained, Massive, Feldspar phyric, Unit texturally variable, top (271.25-274.80) weakly banded, 274.8-276.0m lithic bearing and below 291.2m fine grained equigranular. Feldspar crystals carbonatized. Lithics include fine grained sericitized and pyritic siltstone? up to 12cm in diameter.</p>	<p>Slightly Sericitised, Slightly Carbonatised, Carbonatization of lithics? and feldspar phenocrysts.</p>	<p>DISSEMINATED, 0.5% pyrite disseminated. Some pyrite as clasts..</p>		280	

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DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					280			
			Slightly Sericitised, Moderately Carbonatised. Carbonatization pervasive, most intense in feldspar phenocrysts.		290			FALLT. Brittle, Crush zone, broken core, LCR0-10 approximately.
					300			

5 cm

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