



# PASMINGO EXPLORATION DIAMOND DRILL HOLE LOG

HOLE No. *BPD 71*

0070

Page  of

LOCATION	TASMANIA	OBJECTIVE	LOCATION/SURVEY DATA (AMG)					
PROJECT	BURNS PEAK	To test for strike extensions of the Brown's Tunnel Mineralisation on the Western limb of the Pinnacles Anticline.	Grid	AMG		RL Collar m	589.0	
PROSPECT	LEO'S FIND		Northing m	5383573.5		Bearing Collar	120 (mag)	
DESIGNED BY	A. LORRIGAN		Easting m	378279.5		Dip Collar	75	
LOGGED BY	A. LORRIGAN		DH Survey Type	Eastman Camera		Length Hole m	553.6m	
RELOGGED		RESULT  57.2 m of 'Brown's Tunnel Sediments' were intersected, these rocks contain trace amounts of sphalerite and galena, disseminated and in carbonate veinlets.	Depth m	Bearing	Dip	Depth m	Bearing	Dip
COMMENCED	11/1990		50	118				
COMPLETED	21/12/1990		100	118				
DRILLED BY	Diamond Drilling Tasmania Pty Ltd.		150	118				
DRILL RIG	4Y 38		200	115				
			250	119				
<b>SIGNIFICANT INTERSECTIONS</b>			300	120				
From m	To m	Interval m	Cu ppm	Pb ppm	Zn ppm		Comments	
136	142	6	323	1013.3	2883.3			
403	407	4	110	5025	5275			
469	471	2	2350	330	17900			
<b>SIGNIFICANT CORE LOSS</b>			<b>POOR GROUND CONDITION ZONES</b>					
From m	To m	% Lost	From m	To m	Condition			
			547	553.6	Broken, clay pug			
<b>HOLE SIZE</b>			<b>HOLE CONDITIONS AFTER COMPLETION</b>					
Size	Depth m	Collar						
Tricone (HQ)	35	Steel Casing						
HQ	37.0	PVC Casing						
NQ	(KOH) 553.6	Ground Water						
		Wedge	0-2m HW. PVC Casing for Down Hole EM 0-553.6m.					
		Drill Pad						

129076

PASMINCO EXPLORATION  
DIAMOND DRILL CORE LOG

HOLE No. BPD 71

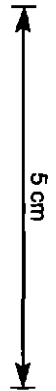
PROJECT: BURN'S PEAK

Graphic Scale 1:250

Page 1 of 11

0076

129077



CORE RECOVERY				DESCRIPTION							CODES					
From m	Interval m	%	ROD	From m	Interval m	( incl. LITHOLOGY, STRUCTURE & ALTERATION )	Depth	Graphic Lithology		Struct.	MINERALISATION	LITHO	STRUCT.	ALTH	MIN	
0	33	99		0	64.6	<p>Pink and dark green breccia, clasts of pink siliceous, feldspar + quartz - phytic rhyolite. Some of these are flow banded, other clasts of chlorite with large feldspar phenocrysts, now altered to carbonate, also some quartz phenos. The matrix is a mixture of chlorite and very fine grained silica.</p> <p>Probably a primary breccia (not alteration effect) because the flow banded clasts are mixed up with non flow banded clasts.</p> <p><u>Rhyolite Lava Breccia.</u></p>	0	0 0.5 1 2 3 32								
33	82.9	100						Y	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ	/							
								✓	Δ							
								/	✓							
								Δ								

PASMINCO EXPLORATION  
DIAMOND DRILL CORE LOG

HOLE No. BPD 71

PROJECT :

Graphic Scale 1: 250

Page 2 of 11

0071  
129078

5 cm

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
								0 0.5 1 2 3 3.2						
				64.6	77.0	Rhyolite lava Breccia. As above, but clast size is smaller, also density of clasts is lower. Chlorite alteration increases down hole. Sphalerite + Galena in quartz stringers from 74.0m.	64.6	✓ / Δ						
				77.0	79.6	Rock becomes very fine grained. Both cobbles are gradational. Perlitic fractures at 78.1m. Some feldspar + quartz phenocrysts, but in general the rock is massive + very fine grained. Chilled Rhyolite lava ?Hyaloclastite.	77.0 79.6	✓ / Δ ✓ / Δ		74.0 Sphalerite and galena in quartz stringers and in patches + spots through breccia + sediment matrix. (Trace)				
				79.6	137	Predominantly pink, feldspar + quartz - phytic, rhyolite lava, with some flow banded and chlorite-rich ?clasts Brecciated appearance not as strong as 0 - 77.0m. Rhyolite lava Breccia Intense sericite and carbonate alteration		✓ / Δ ✓ / Δ ✓ / Δ ✓ / Δ	Broken Ground					
82.9	84.2	98		82.9	84.2			✓ / Δ		106.9 quite intense 107.9 sphalerite spotting.				
84.2	175.9	100						✓ / Δ		Traces of sphal + galena in stringers + spots + patches				
							120.	✓ / Δ						













0084

# PASMINGO EXPLORATION DIAMOND DRILL CORE LOG

HOLE No. BPD 71

PROJECT :

Graphic Scale 1: 250

Page 9 of 11

129085

5 cm

CORE RECOVERY				DESCRIPTION							CODES				
From m	Interval m	%	RQD	From m	Interval m	( incl. LITHOLOGY, STRUCTURE & ALTERATION )	Depth	Graphic Lithology	Struct.	MINERALISATION	LITHO	STRUCT	ALTN	MIN	
						<p>clear cut between these lithologies, the clastic appearance is thought to be an alteration feature or the result of quenching chilling part of a lava. The perlitic fracturing supports this.</p> <p>Acid Hyaloclastite lava. Rounded white carbonate and silica spots from 455m.</p>	488.5			488.5					
						<p>Acid Hyaloclastite lava. Rounded white carbonate and silica spots from 455m.</p>				Trace bedded pyrite in mudstone. Trace sphalerite and galena in quartz-carbonate veins.					
				463.1	473.6	<p>Pink, fragmental looking rock with numerous wispy sericitic fragments. A wispy layering penetrates much of the rock and appears to pre-date the lower angled foliation.</p> <p>Altered, Deformed Pumiceous Volcaniclastic</p>									
				473.6	488.5	<p>These rocks are grouped together because boundaries cannot be defined between them. Top consists of green, highly altered, sericitic, fine grained ? pumiceous siltstone, grades to rock with a fine siliceous matrix and lots of small chlorite-rich flecks and clasts, also larger, chlor-alt. feldspar + quartz-phyric clasts, grey mudstone also occurs in this interval. Then into coarse, angular breccia with quartz-feldspar rhmic, pink clasts and also</p>	501.1								
										523.0 ? Pyrite clast.					
										527.3					
										Trace sphal. + galena in quartz-carbonate stringers. 530.8 Clast pyrite.					
										Tr pyrite on contact.					
										537.9					

0080

129086

5 cm

PASMINCO EXPLORATION  
DIAMOND DRILL CORE LOG

HOLE No. BPD 71

PROJECT:

Graphic Scale 1:250

Page 10 of 11

CORE RECOVERY				DESCRIPTION										CODES			
From m	Interval m	%	ROD	From m	Interval m	( incl. LITHOLOGY, STRUCTURE & ALTERATION )	Depth	Graphic		MINERALISATION	LITHO	STRUCT	ALTN	MIN			
								Lithology	Struct.								
						green, vesicular ? basalt/andesite clasts in a fine grey mud matrix which exhibits soft sed. deformation textures.					1-2% disseminated pyrite.						
						<u>Polymict Mass Flow Deposit</u> .											
552.4	553.6	95				Grading suggests an uphole facing.	553.6										
				488.5	501.1	Mafic / Intermediate volcanic breccia with mudstone + minor sandstone matrix. Tig-ssw fracturing + arcuate quench fracturing suggests mixing of lava with wet sediments. <u>Basalt or Andesite Peperite</u> . 495.5 - graded bedding, grades uphole. Volcanic clasts are sericite altered, with spots originating on amygdales.											
				501.1	522.7	Light green, sericite altered, amygdaloidal (q-filled) <u>Basalt or Andesite</u> lava.											
				522.7	527.3	<u>Bedded sandstone</u> . Upward fining unit with graded mudstone beds near top + coarser unit at base.											
				527.3	530.8	Highly deformed rock, consisting of layers of fine grey, siliceous mudstone + sandstone and chloritised-sericitised.											

Flow body 85°  
85°  
Broken ground

E.O.H.

