Pasminco Exploration

168087

Drill Hole Summary Sheet

Input

				DBA	Geo
				Data Entry	Post Data
Hole_ID	BCD2	Project	TULLAH	Cost Code	XP/3/2/4/11	Table	Entry Val
Hole_Type	DIAMOND	Prospect	BRUCE CREEK	SDS Nos		Collar	
Year	1993	Tenement_No.	EL 22/90			Init	Init
Wedge/Re-entry		Parent Hole_ID		Depth Wedged		Date	Date
UTM_E	384101-9	Local_E	4114	Ref_System	UTM	Collar	
UTM_N	5373201	Local_N	3200	Ref_Method	DGPS	Init	Init
UTM_RL	217-6	Local_RL	217-6	Ref_Accuracy	1m	Date	Date
UTM_Datum	AGD66	Local_Grid	BRUCE CREEK				
UTM_Zone	55	EOH	80m				

Dip	True Az (UTM)	Mag Az	DH Survey Y/N	Survey	

Sample_No Ranges	165924 - 165954	Interval	DH Type	Diam	Assay_Batch	
		0-80m	Diamond	NTW	Init	Init
					Date	Date
Duplicates/Intervals					DH_Type	
					Init	Init
		NB: Incl Pre-collar type			Date	Date

Date Collared	7 - 12 - 99	Date Completed	11 - 12 - 99	Collar
Logged by	D. PARFREY	Sampled By	P. CHALLENGER	Init Init
Purpose for Hole	To test beneath partial leach Au As soil anomaly next to Henty Fault and along strike of Lorrigans Luck			Date Date
Termination Reason	Little visible sulphide, drilling difficulties forced hole to be stopped.			

Drilling Company	L.I.D.D.S	Casing Depth From	0m	Collar
Rig Used	HYDRACORE 28	Casing Depth To	80m	Init Init
Casing Type	PVC	Casing Size	40mm	Date Date
Orientation Survey (Y)N		Method	EASTMAN CAMMERA	Collar
Water Table Depth (m)		Quality		Collar

Visible Mineralisation Description	Minor veins and disseminated pyrite arsenopyrite and sphalerite + galena. Veins generally less than 5mm wide.	Collar
		DH_Mineralisation
		Inits Inits
		Dates Dates

Interval	Summary of Geology	Rock Code	Formation	DH_Geol_Summary	
0-10m	Basalt	VBBA	SVV	Init	Init
10-21m	Mafic volcaniclastic breccia	VMBR	SVV	Date	Date
21-24m	Basalt	VBBA	SVV		
24-27m	Fault	F			
27-30m	Basalt	VBBA	SVV		
30-40m	Mafic Volcanic	VMXX	SVV		
40-44m	Feldspathic Volcanic	VMXX	SVV		
44-50m	Breccia	VMXX	SVV		
- 0	Mafic Volcanic	VMXX	SVV		

168088

Project: TULLAH
Logged by: O. PARFREY
Date: 4/2/98

PASMINCO EXPLORATION DIAMOND DRILL LOG

HOLE No. BCD2

m	VEINING and ALTERATION (1 = weak, 4 = intense)	STRUCTURE (b = bedding, f = cleavage, f = fault, Angles to LCA)	GRAPHIC LOG	LITHOLOGY	MINERALISATION
0	Oxidised	Mod - strongly cleaved S_1 55°CA Broken & fractured Mn staining on fractures		BASALT Fine grained massive sub ophitic texture, strongly weathered, sub mm Feldspar phenocrysts. Matrix strongly chloritic. Strongly oxidized to 6m moderately oxidised to 8m	Hematite, after Py on fractures and in veins
	Pervasive chlorite alt (3), mod chl veining Mn stained clayey				
5		Strongly broken to 6m S_1 40°CA			Trace Py
	Chl (3) pervasive Qtz veins				Qtz, hematite veins, hem after Py Aspy
		Fractures 60°CA			2% Py aspy in veins assoc w/ siderite.
10				MAFIC VOLCANICLASTIC BRECCIA	
	Mod weathered Chl (3) of matrix and clasts. Ser (1). Feldspars alt to clay Carb veined & bleached	Fractures 60°CA Qtz veined		Medium grained feldspar phyric breccia. Abundant feldspar xls (10%) and feldspar phyric andesite & dacite clasts to 50mm. Clasts subrounded to subangular, matrix supported. Fine grained chlorite altered matrix. Grades up hole into feldspar xl sst	Qtz - Chl veins with < 1% hem after Py
		Strongly broken rubbly core. Fault	Fault		
15				MAFIC VOLCANIC BRECCIA & SANDSTONE	Trace diss Py
	Wispy patches of silica alteration Chl (2) massive and as veins Si (2) Chl (3) Ser (1) Silica carb alt as patches & veins	Strongly broken rubbly S_1 55°CA Mod fractured & broken Fractures 45°CA & 60°CA		Mixed sequence of mafic volcanic breccia and feldspathic sandstone. Green massive clasts of andesite subangular, weakly feldspar phyric. Matrix strongly chlorite altered fine grained sandstone.	1% Py in carb vn Sphalerite vein? Py ~2% diss and as veins 1% Py + aspy in vns and diss
20					
	Chl (3), qtz + carb vns. Mn + Hm on fractures Chl + Qtz vns	Fractures 60°CA		BASALT Fine grained, green massive. Minor oxidised ferromag xls	10cm bx vn with 2% py, 4% Aspy
	C (3) Qtz carb vns	Fractures 45°CA Extremely broken Qtz veined	FAULT	MAFIC SANDSTONE Dark green feldspathic sandstone. Massive, med grained (variable)	Tr Py
25					

168089

Project: TULLAH
Logged by: O. PARFREY
Date: 4-2-98

PASMINCO EXPLORATION DIAMOND DRILL LOG

HOLE No. BCD2

m	VEINING and ALTERATION (1 = weak, 4 = intense)	STRUCTURE (b = bedding, c = cleavage, f = fault, Angles to LCA)	GRAPHIC LOG	LITHOLOGY	MINERALISATION
25	Chl (3) qtz veins	Extremely broken & fractured Core loss	Fault		Trace py + asp y
	Chl (2). Mn + Hm on fractures	Strongly broken Fractures 40° CA S_1 55° CA		BASALT Fine grained massive sub ophitic texture, oxidised.	Trace likely py + asp y
30	Chl (2). Mn + Hm on fractures & in veins; Qtz + carb vns bleached	Broken core Some core loss Fractures 75° S_1 50° CA	Fault	MAFIC VOLCANIC Dark green medium grained feldspar phyric volcanic. Apparently minor quartz in rock – alteration? May be mafic sandstone? or altered and weathered basalt. Massive to brecciated texture, occasional clasts of feldspar phyric andesite and dacite to 50 mm. Abundant fragmented andesite clasts near base of unit. Andesite lava? or Andesite breccia?	
35	Chl (2)	Fractures 65° CA S_1 55° CA Broken Core Qtz + carb vns			Trace diss py minor py + asp y in Qtz carb vns
40	Chl (2) Qtz + Carb vns Co (2)	Kink bands 80° CA Carb vns 20° CA S_1 45° CA		FELDSPATHIC VOLCANIC Medium grained feldspar phyric (to 3mm) massive. Abundant feldspar xls, may be sandstone or lava/sill.	Trace likely py
45	Weathered + oxidised Chl (2), Ser (2) Co (2) clayey seams	Very strongly broken rubbly core Fault.	Fault	BRECCIA Yellow oxidised breccia. Clasts of feldspar phyric andesite + dacite wispy texture.	Tr disem py, cpy minor sph, ga, py in qtz carb vns.
	Strong Si (3), Co (2) as veins Chl (2) Intense Qtz + Carb veins Si (2)	Brecciated, strong Qtz + carb veins Stockwork texture Brecciated. S_1 55° CA		VOLCANIC BRECCIA Green feldspar phyric intermediate matrix supported breccia. Clasts of feldspar phyric dacite & andesite in fine grained green matrix. Some clasts to 60mm. Feldspars to 5mm some ferromag xls to 3mm.	Minor sph, ga, py and asp assoc with qtz carb chl vns
50					

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Project: TULLAH
Logged by: O. PARFREY
Date: 4-2-98

PASMINCO EXPLORATION DIAMOND DRILL LOG

HOLE No. BCD2

m	VEINING and ALTERATION (1 = weak, 4 = intense)	STRUCTURE b = bedding f = cleavage f = fault Angles to LCA	GRAPHIC LOG	LITHOLOGY	MINERALISATION
50	Very strong qtz+ Carb + chl vns	Brecciated qtz Carb vn.		MASSIVE MAFIC VOLCANIC Massive to banded green fine grained variably feldspar phyric volcanic. Several finer grained intervals which are strongly foliated eg 51m. Also several intervals which are mod feldspar phyric (1 to 3mm). Rock apparently brecciated past 7cm with diffuse clasts of subangular to subrounded pale pink siliceous volcanic. In part rock has clastic texture is diffusely banded and looks like siltstone / sandstone. In other places it looks like altered and deformed basalt?	
	Msv Chl (3) Si(3) Co(3) alt	Vns 60 CA, 40°CA			
	Msv qtz vn with msv chl on margin				
55	Chl (3), Ser (1)	Msv qtz vns 40°CA			Tr dissem py
	Si (2) Co (2)				
	Qtz carb vns	Fractured			
60	Chl (2) qtz + Carb vns.	S_1 80°CA			Trace py vns
		Strong qtz + carb vns			Sph, ga py in dissem + assoc with carb + chl vn
					Tr cpy
		Mth bands 70°CA			
		Core Orientation- Qtz carb vns			
65	Ser (2) Chl (2)	71° → 262°			Minor dissem py ga, spy in qtz carb
		70° → 254			
		S_1 as above.			
	Bleached. Siderite vns cross cutting Qtz veins.	Fractures 30° CA			1-2% py + spy in assoc with qtz + c
		S_1 55°CA			2% dissem py as + minor ga in ca carb vein bx
70	Chl (2)	Cataclasite?			
		S_1 50°CA			Narrow veinlet cpy, py, spy
		Strongly broken Fault			Trace sph + ga + siderite vns
	Chl + qtz + Carb vns	Strongly broken fractured + rubbly			
	Some siderite vns	Vns 60°CA			Qtz + Carb vns with 1-2% py + cpy
75					

Project : TULLAH
Logged by: O. PARFREY
Date : 4.2.98

PASMINCO EXPLORATION
DIAMOND DRILL LOG

168091

HOLE No. BCD2

m	VEINING and ALTERATION (1 = weak, 4 = intense)	STRUCTURE (b = bedding, c = cleavage, f = fault; Angles to LCA)	GRAPHIC LOG	LITHOLOGY	MINERALISATION
75	Qtz + chl carb vns	Fault very strongly broken rubbly core. Very strongly broken core S₁ 70° LA Stockwork qtz + carb vns Rubbly broken core		FELDSPAR PHYRIC VOLCANIC Green feldspar phyric (patchy) med - fine grained massive. Occasional feldspar xls to 4mm. Some subrounded dacite clasts. Diffuse breccia texture. EOH	Trace dissem py + cpy
80					