



PASMINCO ROSEBERY

A.C.N. 004 074 962

Hole No: 009B Location: Southern Trenches Objective: Mother Lode underneath STRC5 Result: Shallow lens dip - separation<planned. 28.6-33.4m@23.9%Pb, 28.6%Zn, 2.83%Cu, 127g/t Ag, 12.6g/t Au, 3.8%Fe (\$658TMU). 28-33.4m is \$593TMU		Depth Direct Dip 0.0 258.0 -72.0 30.0 258.0 -71.8 70.0 259.0 -71.0 73.0 259.0 -71.0	Depth Direct Dip 	Depth Direct Dip 	Depth Direct Dip
Planned Direction: 258° Drilling Commenced: 8/07/98 Planned Dip: -72° Drilling Completed: 10/07/98 Planned Depth: 70.0 m Actual Depth: 73.0 m Planned Northing: 4408 m N Surveyed Northing: 4409.00 m N Planned Easting: 4653 m E Surveyed Easting: 4652.00 m E Planned Collar R.L.: 422 m RL Surveyed Collar R.L.: 421.80 m RL		Date Logged: 28-Jul-1998 Logged By: Michael Whitbread Hole Size: HQ Hole Category: other Grouted: Date Log Verified: 25-Sep-1998 Verified By: Michael Whitbread			
		Summary Log: 0-3m NC; -10.3m Hots; -12m Ho; -23.1m Hots; -24.3m F; -28.6m HOTS; -33.4m HOMS; -33.6 Hots; -44.6m Hots; -46m F; -64.7 Hots; -67.4m F; -73m HO. EOH 73m.			

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description	@ Depth	Feature	LCA Deg°	RQD To (m)	RQD %	Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU \$
0.0	3.0	NC				NO CORE				3.0	NC	81887	3.0	4.0	1.0	0.1	0.1	0.01	1	0.1	2.1	3
0.0	3.0	NC		a		No core.				3.4	100	81888	4.0	5.0	1.0	0.1	0.2	0.01	1	0.1	1.3	4
										4.1	28	81889	5.0	6.0	1.0	0.1	0.5	0.01	1	0.1	4.5	8
										4.6	100	81890	6.0	7.0	1.0	0.1	0.3	0.01	1	0.1	2.3	6
										12.0	4	81891	7.0	8.0	1.0	0.1	0.3	0.01	1	0.1	1.4	6
										13.0	100	81892	8.0	8.9	0.9	0.1	0.2	0.01	1	0.1	0.7	4
										13.4	0	81893	8.9	9.7	0.8	0.1	0.2	0.01	1	0.1	3.1	4
										15.2	94	81894	9.7	10.3	0.6	0.1	0.1	0.01	1	0.1	1.0	3
										15.4	0	81895	10.3	11.1	0.8	0.1	0.2	0.01	1	0.1	0.7	4
										17.5	81	81896	11.1	12.0	0.9	0.1	0.2	0.01	1	0.1	0.5	4
										19.7	0	81897	12.0	13.0	1.0	0.1	0.6	0.03	1	0.1	0.6	10
										23.1	85	81898	13.0	14.0	1.0	0.1	0.5	0.07	1	0.1	0.6	9
										24.8	5	81899	14.0	15.0	1.0	0.2	1.4	0.08	1	0.1	1.1	21
										31.5	91	81900	15.0	16.0	1.0	0.1	0.4	0.02	1	0.1	0.8	7
										32.5	0	81901	16.0	17.0	1.0	0.1	0.1	0.02	1	0.1	0.9	3
										40.0	91	81902	17.0	18.0	1.0	0.1	0.1	0.02	1	0.1	0.8	3
										42.7	7	81903	18.0	19.0	1.0	0.1	0.2	0.01	1	0.1	0.8	4
										44.6	100	81904	19.0	20.0	1.0	0.1	0.6	0.03	1	0.1	1.0	10
										46.5	5	81905	20.0	21.2	1.2	0.1	0.3	0.02	1	0.1	1.0	6
										47.4	89	81906	21.2	22.2	1.0	0.1	0.1	0.01	1	0.1	0.7	3
										49.2	5	81907	22.2	23.1	0.9	0.1	0.1	0.03	1	0.1	0.9	3
										51.9	85	81908	23.1	23.5	0.4	0.1	0.2	0.01	1	0.1	0.8	4

0.1
 0.2
 0.3
 0.4
 0.5
 0.6
 0.7
 0.8
 0.9
 1.0

Hole No: 009B

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description	@ Depth	Feature	LCA Deg°	RQD To (m)	RQD %	Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU \$		
3.0	10.3	RK	cl	si	a	Dark grey, black and occasionally light grey, white carbonate spotted and variably dark chlorite altered rock. Some weathering along fractures and breaks - mainly as iron oxide staining. Less chlorite altered intervals (mainly 6.4--8.9) are moderately silica altered, probably after sandstone of some kind. Carbonate spots vary from mm to 4cm across, with the larger spots possibly being pseudomorphs after clasts. Spots as disseminations or as clotted aggregates. Many of the spots are partially or apparently completely weathered out, producing a pitted surface. Associated (usually included within) the spots are blebs of sphalerite (light brown)-black sulphide mix. The latter often rims sphalerite. The spots seem to lack sphalerite etc when in lightly altered zones. A fabric is marked by anastomosing wisps of sericite (referred to as a cleavage in the structures entry). In more strongly altered pieces the fabric is not obvious. Core is generally very broken (darker, chlorite altered pieces generally), though some pieces up to 30cm (usually light coloured pieces) occur. Broken zone mainly 5.5-9.5m, has fragments 5 to 1cm in size. Joint near parallel to CA around 8.4m. 20cm core loss marked between 7 and 7.7m, possibly more unmarked loss throughout unit.	4.0	CV	37°	53.2	7	81909	23.5	24.3	0.8	0.2	0.3	0.03	1	0.1	0.6			6
							8.3	JT	3°	55.5	91	81910	24.3	25.3	1.0	0.6	1.1	0.07	11	0.2	2.5	22		
							8.3	CV	34°	57.0	6	81911	25.3	26.3	1.0	0.7	1.6	0.04	7	0.1	2.5	27		
							9.6	CV	50°	62.5	93	81912	26.3	27.0	0.7	0.6	2.2	0.08	8	0.1	2.2	35		
										63.8	7	81913	27.0	28.0	1.0	0.5	1.7	0.10	1	0.1	0.7	27		
										64.8	100	81914	28.0	28.6	0.6	0.3	5.5	0.29	11	0.2	1.1	80		
										67.8	3	81915	28.6	29.6	1.0	20.6	28.2	4.21	137	1.6	5.7	557		
										73.0	94	81916	29.6	30.6	1.0	25.4	26.9	3.43	86	1.5	4.3	546		
												81917	30.6	31.6	1.0	27.1	33.6	2.30	129	3.7	2.9	655		
												81918	31.6	32.6	1.0	26.7	29.0	2.65	146	20.5	3.2	748		
												81919	32.6	33.4	0.6	18.3	24.2	1.14	138	43.2	2.3	824		
												81921	33.4	33.6	0.3	0.7	1.2	0.18	8	0.1	2.3	23		
												81922	33.6	35.2	1.6	0.3	0.5	0.01	1	0.1	2.9	9		
												81923	35.2	36.5	1.3	0.3	0.8	0.02	1	0.1	3.7	13		
												81924	36.5	37.5	1.0	0.4	1.0	0.04	1	0.1	3.0	17		
												81925	37.5	38.5	1.0	0.6	1.2	0.06	1	0.1	3.1	20		
												81926	38.5	39.5	1.0	0.3	1.2	0.03	1	0.1	2.8	18		
												81927	39.5	40.5	1.0	0.1	0.3	0.01	1	0.1	1.7	6		
												81928	40.5	41.5	1.0	0.2	0.8	0.04	1	0.1	3.9	13		
												81929	41.5	43.0	1.5	0.2	1.7	0.04	1	0.1	2.4	25		
10.3	12.0	HO				HOST SEQUENCE						81930	43.0	44.6	1.6	0.5	4.5	0.08	1	0.1	2.8	63		
10.3	12.0	CH			a	Brown and pale greenish-yellow, alternating intervals of clay altered sandstone and siltstone, with cherty silica altered rock. Some chert present as clasts. Cherty intervals: - 10cm at beginning of unit and 10cm at 11m. Some parts not completely gone to clay, merely moderately sericite altered. Green chlorite often on breaks. Last 70cm are most likely an altered version of the next unit, and contains 1-3mm spots of chlorite (perhaps sulphide but difficult to say). Unit fairly broken, most fragments under 10cm, many under 5cm.	10.5	BD	68°			81931	44.6	46.0	1.4	0.3	0.3	0.01	1	0.1	0.7	7		
		RK	cy				11.9	CV	60°			81932	46.0	47.0	1.0	0.1	0.1	0.01	1	0.1	0.7	3		
		SS	cy									81933	47.0	48.0	1.0	0.1	0.1	0.01	1	0.1	0.4	3		
		ST	cy									81934	48.0	49.0	1.0	0.1	0.1	0.01	1	0.1	0.7	3		
												81935	49.0	50.1	1.1	0.1	0.1	0.01	1	0.1	0.5	3		
												81936	50.1	50.2	0.1	0.1	0.7	0.06	1	0.1	1.3	11		
												81937	50.2	51.2	1.0	0.1	0.7	0.02	1	0.1	0.9	11		
												81938	51.2	52.3	1.1	0.1	0.2	0.01	1	0.1	0.4	4		
												81939	52.3	53.2	0.9	0.1	0.1	0.01	1	0.1	0.4	3		
												81940	53.2	54.2	1.0	0.1	0.1	0.01	1	0.1	0.6	3		
12.0	23.1	HOTS				HOST - TRACE SULPHIDES						81941	54.2	55.2	1.0	0.1	0.1	0.01	1	0.1	0.2	3		
12.0	18.0	BR	si		a	Green and light white-grey, variably sericite-chlorite altered, silicified rock/cherty breccia. Unit looks like it was silicified prior to sericite-chlorite alteration, since cherty areas appear to be fragmented by the later alteration; but sericite-chlorite dominant zones often have isolated rounded clasts of chert. This could be due to the sericite-chlorite preferentially replacing a fine grained material. Rock possibly a cherty volcanoclastic breccia, as seen in Brown's Tunnel core. Sericite-chlorite alteration generally present as distinct zones often adjacent to joints. Weak banding/fabric present in unit, more visible in sericite-chlorite zones (30-40 degrees to CA). Unit also contains blebs of sphalerite+/-galena+/-chalcopyrite+/-pyrite and sulphide mix, usually associated with cherty zones and clasts and the fractures within them. Some Clasts look to have been partially replaced by a white 'carbonate' which may include tiny spots of the previously mentioned sulphides. Unit generally competent, may contain small 10cm zones of broken material every m or so. After 17.5m quite broken.	14.7	JT	18°			81942	55.2	56.2	1.0	0.1	0.1	0.01	1	0.1	0.5	3		
		CH					14.9	CV	36°			81943	56.2	57.2	1.0	0.1	0.2	0.03	1	0.1	1.2	4		
		RK	sc				17.0	JT	11°			81944	57.2	58.2	1.0	0.1	0.1	0.01	1	0.1	1.7	3		
												81945	58.2	59.2	1.0	0.1	0.1	0.01	1	0.1	1.7	3		
												81946	59.2	60.2	1.0	0.1	1.1	0.03	1	0.1	1.4	16		
												81947	60.2	61.2	1.0	0.1	0.1	0.02	1	0.1	1.3	3		
												81948	61.2	62.2	1.0	0.1	0.1	0.01	1	0.1	1.3	3		
												81949	62.2	63.2	1.0	0.1	0.1	0.01	1	0.1	0.6	3		
												81950	63.2	64.7	1.5	0.1	0.1	0.01	1	0.1	0.8	3		
												81951	64.7	65.7	1.0	0.1	0.1	0.01	1	0.1	1.0	3		
												81952	65.7	66.7	1.0	0.1	0.1	0.01	1	0.1	1.2	3		
												81953	66.7	67.4	0.7	0.1	0.1	0.01	1	0.1	1.4	3		
												81954	67.4	68.5	1.1	0.1	0.1	0.01	1	0.1	0.9	3		
												81955	68.5	70.0	1.5	0.1	0.1	0.01	1	0.1	1.3	3		
												81956	70.0	71.5	1.5	0.1	0.1	0.01	1	0.1	1.0	3		

Hole No: 009B

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description	@ Depth	Feature	LCA Deg°	RQD To (m)	RQD %	Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU S	
18.0	21.2		CH		a	Medium and light green, sericite-chlorite altered rock, with occasional stretched out cherty clasts. Unit most likely a more completely altered version of previous. Also have trace galena+/-sulphide mix. in cracks, and veinlets, and as disseminated mm spots; often in cherty rich zones e.g. 19.7m. Rarer clasts are fine grained pyrite (replacement or original?). Fabric present once again, marked by sericite wisps and vague banding, cleavage?. Sulphide bearing veinlets may run with or 'conjugate' to the fabric. Unit quite broken to 19.7m. After which it is moderately competent. Orientated measurements at 21.1m - Banding, 68 degrees East, 155-335 strike. Others at 68-78E, strike ~160(170)-340(350). Fracture (cavity) - dips 50 degrees South, strike ~050-230.	18.4	JT	3°			81957	71.5	73.0	1.5	0.1	0.1	0.01	1	0.1	1.4	3	
			RK	cs			19.6	VN	35°				Total Length: 70.0										
							19.6	CV	38°				Standards										
							20.1	CV	41°				Reference Values for: HBM-02 17/07/98										
							21.2	CT	49°				3.4 12.5 0.46 150 1.3 22.7										
												Variances Allowed: 20% 20% 30% 20% 20% 20%											
												81920 Inserted @ 33.4m 3.8 14.9 0.49 165 1.2 22.9 Y											
												Weighted Averages											
												28.0 33.4 5.4 21.3 26.0 2.55 114 11.2 3.5 593											
												28.6 33.4 4.8 23.9 28.6 2.83 127 12.6 3.8 658											
21.2	23.1		RK	sc	a	Light grey and greenish grey, banded, almost a sericite-chlorite and silica schist. Consists of cherty bands (or at least stretched fragments) interspersed with sericite-chlorite bands. Unit has common thin sphalerite etc +/- chlorite veinlets and sphalerite etc spots and blebs. These are generally associated with the more silica rich portions, where thin yellowy carbonate wisps are also noted. Veinlets are discontinuous, but usually sit at a reasonably steep angle to CA. Green chlorite often on breaks. Core of moderate competency. Core orientation at 22m. Orientated measurement at 21.3m dominant veins/fracture trend, dip 79 degrees South, strike ~060-240. Vein dip 46 degrees North, strike ~045-050. Measurement at 22.3m - banding, dips 84-88 degrees East strike ~010-190. Chlorite-pyrite wispy vein, dip 34 degrees East, ~350-170.	22.1	CV	30°														
			SH	si			23.0	CV	28°														
23.1	24.3	F				FAULT																	
23.1	23.5		RK	sc	a	Broken zone of sericite-chlorite altered rock and puggy clay.																	
23.5	24.3		RK	sc	a	Broken zone, with some 5-0cm fragments, but no puggy clay. Fragments are silica banded sericite-chlorite altered rock, and also bear white carbonate blebs, usually associated with the quartz (possibly veining rather than cherty bands). Dark green chlorite coats many of the breaks along the fabric.	23.9	CV	35°														
				si																			
24.3	28.6	HOTS				HOST - TRACE SULPHIDES																	

Hole No: 009B

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description	@ Depth	Feature	LCA Deg°	RQD Ta (m)	RQD %	Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU \$		
24.3	27.0		SL ST	sc sc	b	Dark matte greeny-grey, sericite-chlorite-pyrite altered thinly bedded/banded siltstone/shale. First 20cm is cherty. Bands, where distinguishable in unit, are 4-10mm in size (some areas are more finely laminated, or appear massive). Some fine grained disseminated pyrite bands seem conformable with surrounding laminations. Banding often disrupted (usually <1cm, occasionally greater) by cross cutting sulphide veinlets and thin fractures; also shows some disruptions that are more major faults/folding or are the result of soft-sediment deformation. Most banding runs close to CA. Sulphide veinlets (usually 1-2mm) consist of sphalerite+/- galena+sulphide mix?+dark grey ?silica, and run in a branch-like 'fracture pattern' with some arms running at a high angle to CA, while others brach off at around 40 degrees. Pyrite bands present, but mostly seem to sit close to sedimentary banding (diagenetic?). Core of moderate competency - minor broken zone in first 50cm of unit.	25.5 25.5 25.5 25.5	BD VN VN VN	10° 29° 40° 69°															
27.0	28.6		CH ST		si	a	White and light grey, heavily silicified, banded/laminated cherty rock/siltstone. Unit is veined by thin sphalerite (yellow-brown to reddy-brown)-galena-sulphide mix-quartz+/- chalcopyrite. Veins sit in two main 'conjugate' orientations - both ~35 degrees to CA. Banding sits fairly close 30 too, and some sulphide veins are following the laminations. Core competent. Some silicified fragments sitting after 38.5m. Core Block, most likely have fallen down the hole. At end of unit, quickly grades into massive sulphides of next unit.	27.0 27.5 27.7	CT VN BD	79° 35° 26°														
28.6	33.4	HOMS				HOST - MASSIVE SULPHIDES																		
28.6	33.4		CP GA SP		a	Thinly laminated/banded, massive sulphide comprised of galena, sphalerite and chalcopyrite-pyrite. Appears to have replaced silicified rock of last unit (preserved in patches, one with a sericite-chlorite band ~60 degrees to CA). Sphalerite medium brown to light brown in colour. Some unidentified black bands may be the sulphide mix of chalcopyrite and galena disease of sphalerite. Bands 1mm or so in size. Banding orientation varies considerably throughout, but it is difficult to pick exactly where the changes occur (usually in a disrupted zone where identification of banding is difficult). At 30m, disruption/truncation seems to be along a thin mm vein/shear/?joint running ~48 degrees to CA. 33-33.2m is an interval of silicified rock- no noticeable banding in this interval which surrounding sulphides might be mimicing, however at 32.8, there is an elongate cherty clast parallel to the sulphide banding. Thus unit may be following the laminations like those found in the previous unit (which were disrupted as well). Core of good competency, moderate to poor between 31.5 and 32.5m.	30.0 30.1 31.1 31.1 32.6 33.3	JT BD JT BD BD BD	48° 16° 5° 53° 30° 70°															
33.4	33.6	HOTS				HOST - TRACE SULPHIDES																		

Hole No: 009B

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description	@ Depth	Feature	LCA Deg°	RQD To (m)	RQD %	Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU \$		
33.4	33.6		RK VC	sc	a	Green, sericite-chlorite altered rock/volcanoclastic, on the margin of the HOMs of previous unit. Small cherty interval marks boundary with previous unit. Small (2mm) clay veinlet at 33.5m, breaks in core more orthogonal to CA than indicated by the fabric. Unit has small white and grey silicic clasts and crystal fragments, most likely volcanoclastic. Also has rare spots of sphalerite etc at base of unit. Unit of poor competency. Abrupt contact with next unit -along cleavage.	33.4 33.5 33.5	CT CV VN	70° 61° 60°															
33.6	35.2	HOTS				HOST - TRACE SULPHIDES																		
33.6	35.2		BR VC	cb sc	a	Unit is an extensively carbonate altered volcanoclastic breccia. Light creamy white carbonate spots can coalesce to be semi-massive, but seem to sit within bands as fairly dense spots and blobs in most places. Carbonate spots show sign of having replaced some of the clasts and crystal fragments. Matrix is a dark chlorite altered fine grained rock. Unit poorly sorted, with sizes of fragments ranging from <1mm to 1cm in size. Some clasts are silicic, while others appear to have been feldspar laths. Uncommonly have .5cm chlorite altered bands, without spotting. Rare small blebs and veinlets of medium brown sphalerite present. Core of moderate to poor competency.	33.7 34.6	BD VN	60° 25°															
35.2	43.0	HOTS				HOST - TRACE SULPHIDES																		
35.2	43.0		BR CH VC	sc	b	Continuation of poorly sorted, silicic/cherty clast bearing, volcanoclastic breccia - without the extensive carbonate alteration of the previous unit. Carbonate still present as common, sometimes replacive blobs, spots etc which decrease in abundance as the unit progresses. Clast size from mm to >3-4cm, with some bands stretching across the core - bands or long clasts?. Some light pinky silicic clasts present, also may find that carbonate has altered non silicic clasts and fragments (e.g. feldspars). Uncommonly have pyrite clasts, and have occasional spots and small clasts of sphalerite etc, often associated with carbonate. Unit generally a light yellow-greenish striped dark green grey with light to medium grey cherty fragments. Thus most of unit sericite-chlorite altered. Fabric present (marked by sericite wisps mainly), with which the more elongate clasts seem to be aligned. Core of moderate-poor competency, with last 2m of poor competency, containing clay patches (small 10cm zone at 41m), and common broken patches (with stronger dark-green chlorite alteration) amongst zones of 5-10cm core pieces (quite broken 42.4-42.7m - fault?). Core orient at 41.5m. Orientated measurement - sericite-wisps and banding dip 56-58 degrees West. strike ~150-330.	37.0 40.4 42.8	CV CV CV	60° 35° 56°															
43.0	44.6	HOTS				HOST - TRACE SULPHIDES																		

Hole No: 009B

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description	@ Depth	Feature	LCA Deg°	RQD To (m)	RQD %	Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU \$	
43.0	44.6	RK	si	a		Light cream with patchy medium grey, silicified rock. Has faint greenish bands which are mildly sericite-chlorite altered. Has strong HOTS of quartz-sphalerite(dark brown)+/-galena+/-pyrite, rimmed by the black sulphide-mix veinlets which run sub-parallel to the banding (some discontinuous wisps run conjugate too). Also have spots and blebs of sphalerite etc throughout. Some disseminated pyrite cubes and fine grained pyrite bands at 44.3-44.5m. Core of good to moderate competency.	43.3	BD	40°														
							43.6	VN	40°														
							43.8	VN	46°														
							44.5	VN	36°														
							44.5	BD	41°														
44.6	46.0	F				FAULT																	
44.6	46.0	RK	sc	a		Broken zone of fragments similar to previous unit, however are significantly more sericite-chlorite altered. Last half of unit begins to show small chlorite-sericite pseudo-fiamme, most likely fractured version of next unit. Many fractures have a thin paste of fine grained ?galena (gun metal coloured, could be the sulphide mix) coating them. Fracture orientation, either close to CA or sometimes at a high angle. Quartz veining strong in last half of unit. Silica rich fragments appear pitted - some clasts appear to have weathered out. Some spots and blebs of sphalerite etc also present; hard to pick out their preferred orientation. Disseminated pyrite associated with sericite-chlorite wisps, veinlets and zones.	44.9	VN	12°														
			si				45.1	CV	55°														
46.0	53.2					HOST - TRACE SULPHIDES																	
46.0	53.2	PU	cl	a		Dull light brown coloured, moderately silicified rock, with common, but spaced, thin dark green chlorite pseudo-fiamme (1-20mm wide). Rock possibly a pumice breccia. Have a small zone of chlorite-sericite alteration present at 50.2m. Brownish-yellow carbonate wisps are common (blobs and spots not uncommon too), some run with the dominant fabric (pseudo-fiamme defined - cleavage? or primary bedding? - called cleavage in structures entry), some run far closer to CA. Unit also carries common thin veinlets and wisps of gun metal sulphide, and spots and blebs of the same +/- sphalerite+/-chalcopyrite, which are sometimes associated with quartz veining. Blebs generally run with the pseudo-fiamme fabric. The veinlets often run close to CA, and some fractures develop along these (and are thus coated in the gun-metal sulphide - possibly galena or chalcopyrite-galena disease of sphalerite). Unit of variable competency, with long sticks interspersed by quite broken zones. Some broken patches are 47.5-48m, and the last metre of the unit.	48.7	JT	14°														
			si				48.7	CV	50°														
							50.8	CV	52°														
							51.8	VN	6°														
53.2	64.7					HOST - TRACE SULPHIDES																	

07
07
08
10
10
00

Hole No: 009B

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description	@ Depth	Feature	LCA Deg°	RQD To (m)	RQD %	Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU \$		
53.2	64.7		PU	cl	a	As in last unit but: pseudo-fiamme are a lighter, brighter green, carbonate blebs and spots and wisps very strong to ~61m (generally conformable with the pseudo-fiamme fabric - marked cleavage in structures entry) becoming common discrete veins thereafter, much scarcer veinlets and blebs of sulphide, especially after first few metres; possibly cherty clasts in first few metres of unit. Carbonate looks to have replaced earlier fragments - some carbonate looks feldspar lath-like, or suspiciously rounded/clast like. Carbonate also pitted, sometimes by sub-parallel streaks which run against the fabric. 5cm carbonate vein with brecciated silicic fragments at 64.6m Cherty fragments are present in the first few metres of the unit; difficult to say if disrupted veining, or clasts. Most of the sulphide blebs are associated with the quartz bands and 'clasts'. Core generally competent with small intervals of rubble often adjacent to core blocks e.g. 56.5-56.7m, possibly rubble which has fallen from higher up. 10-20cm core loss 56.5-58.2m. Core orient at 56.5m. Orientated measurements 56.5m: chlorite vein, dip 6-8 degrees West, strike ~165-345; Banding/cleavage ~vertical, striking NNW-SSE (very vague in orientated piece available).	54.9	CV	42°															
			RK	cb			59.4	CV	39°															
				si			63.5	CV	47°															
							64.6	VN	54°															
64.7	67.4	F				FAULT																		
64.7	67.4		PU	cl	a	Fairly broken zone of material similar to last unit. Most pieces 5-10cm in length, separated by patches of finer material. Carbonate spotting heavy in places. Most breaks close to CA. Fractures coated by dark chlorite. Occasional quartz-carbonate+/-sphalerite veins present.	66.1	JT	4°															
			RK	si																				
67.4	68.5	HO				HOST SEQUENCE																		
67.4	68.5		PU	cl	b	As in unit preceding fault, except fiamme are rarer, and carbonate fairly absent as well. Core competent.																		
			RK	si																				
68.5	73.0	HO				HOST SEQUENCE																		
68.5	73.0		PU	cl	a	EOH 73m. Silic rock with chlorite altered pseudo-fiamme and heavy yellow-white carbonate (+/-quartz) veining (up to 3cm wide, most quite thin) and carbonate spotting - generally with the fabric. Some of the veins are brittle. Fabric marked as cleavage, but could be primary bedding. Core competent.	70.1	CV	55°															
			RK	cb			71.0	VN	55°															
				si			71.1	CV	62°															

07
08
09
10
11
12
13
14
15
16
17
18
19
20