PASMINCO ROSEBERY

A.C.N. 004 074 962

Hole No: 012B **Location:** Brown's Tunnel 5290N

Objective: Confirm upper limits of Lens 1 on this section.

Result: Patchy juicy bits. Best 35.3-37.1m@1.6%Pb, 12.1%Zn, 0.94%Cu, 168g/tAg, 0.5g/tAu, 6.1%Fe, $209TMU. Others 1.6m@$165, 1.7m@$204m.

Planned Direction: 90°
Planned Dip: -37°
Planned Depth: 52.0 m
Planned Northing: 5288 m N
Planned Easting: 4889 m E
Planned Collar R.L.: 476 m RL

Drilling Commenced: 28/09/98
Drilling Completed: 1/09/98
Actual Depth: 53.2 m
Surveyed Northing: 5288.25 m N
Surveyed Easting: 4890.37 m E
Surveyed Collar R.L.: 476.44 m RL

Date Logged: 06-Oct-1998
Logged By: Michael Whitbread
Hole Size: HQ
Hole Category: Other
Grouted:

Date Log Verified: 26-Nov-1998
Verified By: Michael Whitbread

Summary Log:

0-5m NC; -16.7m Ho; -18.2m F; -20.4m Ho; -22.5m F; -22.8m Ho; -23.5m Hods; -24m Hots; -24.7m Hods,-25.1m Hosm; -25.5 Hods; 32.5m Hots; -33.1m HOMS; -34.1m Hods; -34.5m Ho, -35.3m Hosm; -35.6 Homs; -36.5m Hots; 37.1m Hosm; -38.1m Hots; -41.7m Ho; -42m Hosm; -44.5m Hots; -50.5m F; -51m HOMS; -53.3m Hots

Depth	Direct	Dip
0.0	92.0	-37.0
30.0	94.0	-38.2
53.0	94.5	-39.0
53.2	94.5	-39.0

Depth	Direct	Dip

Depth	Direct	Dip

Depth	Direct	Dip

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description
0.0	**5.0**	**NC**				**NO CORE**
0.0	5.0		NC		a	No core.
5.0	**16.7**	**HO**				**HOST SEQUENCE**
5.0	15.5		SA SS	cy	a	Highly bleached, weathered, clay altered ?sandstone. Some yellow staining present, and goethite is present on many joint/broken surfaces. Competency variable, but generally poor to broken. Core loss common, 70cm loss to 5.5-7m; 10cm loss to 8.20m, 20cm to 8m, 40cm 9.50-11m, 50cm loss to 12m, 40cm loss to 12.9m, 10cm 14.2-15m.
15.5	16.7		BR CH SA	cy	a	Highly weathered unit, which looks to be have been a cherty breccia (pieces cm to mm scale). Matrix is now clay. Looks puggy but may be due solely to oxidation. Competency terrible (as core is now quite crumbly). 10cm loss to 15.7m. 50cm loss to 16.7m.
16.7	**18.2**	**F**				**FAULT**
16.7	17.3		RK		a	Loose, yellow, fine to medium grained sand. Particles look to be a mix of quartz and goethitic particles.
17.3	18.2		NC		a	No core, assumed to be like previous unit, but unrecoverable.
18.2	**19.7**	**HO**				**HOST SEQUENCE**

@ Depth	Feature	LCA Deg°

RQD To (m)	RQD %
23.5	7
23.8	100
27.7	7
29.6	78
30.7	18
32.6	78
33.0	25
33.5	100
34.0	40
38.9	79
39.6	0
42.4	85
44.9	16
45.3	100
51.7	4
52.8	63
53.2	0

Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU $
97150	22.8	23.5	0.7	0.3	0.1	1.00	162	0.2	8.2	45
97151	23.5	24.0	0.5	0.1	0.1	0.57	17	0.1	2.9	12
97152	24.0	24.7	0.7	0.9	2.3	0.60	22	0.3	7.0	48
97153	24.7	25.1	0.4	5.6	7.0	0.34	21	0.4	9.5	130
97154	25.1	25.5	0.4	0.6	1.2	0.11	9	0.3	3.8	24
97155	25.5	26.5	1.0	0.1	0.1	0.01	2	0.1	2.3	3
97156	26.5	27.4	0.9	0.2	0.2	0.01	3	0.1	2.2	5
97157	27.4	27.6	0.2	0.2	0.7	0.02	8	0.1	4.9	13
97158	27.6	28.6	1.0	0.1	0.1	0.01	1	0.1	1.3	3
97159	28.6	29.6	1.0	0.3	0.4	0.03	1	0.1	1.7	8
97160	29.6	30.6	1.0	0.2	1.2	0.09	9	0.3	3.2	22
97161	30.6	31.6	1.0	0.2	0.5	0.02	16	0.2	4.6	12
97162	31.6	32.5	0.9	0.5	0.8	0.02	12	0.2	2.1	17
97163	32.5	33.1	0.6	0.2	22.4	3.06	44	0.3	14.7	336
97164	33.1	34.1	1.0	1.8	3.5	0.20	22	0.2	3.4	62
97165	34.1	34.5	0.4	0.1	0.1	0.01	4	0.1	2.5	4
97166	34.5	35.3	0.8	0.4	0.1	0.02	21	0.5	21.1	12
97167	35.3	35.6	0.3	7.0	36.4	1.47	593	1.4	2.6	641
97168	35.6	36.5	0.9	0.4	6.8	0.75	95	0.3	6.0	118
97169	36.5	37.1	0.6	0.7	7.8	0.97	64	0.3	8.0	130
97170	37.1	38.1	1.0	0.3	1.3	0.06	12	0.1	2.6	22
97171	38.1	38.9	0.8	0.1	0.4	0.01	14	0.1	1.9	9

Hole No: 012B

From (m)	To (m)	Strat Code	Desc Code	Alt Code	Alt Int.	Description	@ Depth	Feature	LCA Deg°	RQD To (m)	RQD %
18.2	19.7		GO	cy	a	Yellowy brown honeycomb of goethite (and hematite?), most likely a gossan after semi-massive, banded sulphides (perhaps similar to the pyrite rich seen later in the hole). Material has a very low SG due to cavitous structure. 60cm core loss in this zone - possibly attributable to the last unit.	19.7	BD	59°		
19.7	**20.4**	**HO**				**HOST SEQUENCE**					
19.7	20.4		NC		a	No core.					
20.4	**22.5**	**F**				**FAULT**					
20.4	21.7		NC		a	Clayey pug with quartz vein fragments (to 2cm in width). Only 5-10cm recovery for this interval.					
			RK	cy							
21.7	22.5		CH		a	Broken zone of highly oxidised, yellow-brown and white, version of massive cherty sediments -dominantly sandstone. Some evidence of weathered thin sulphide veinlets and crack fill. In zone near previous unit are small pieces of quartz veining.	22.4	VN	54°		
			SA				22.4	VN	13°		
			SS								
22.5	**22.8**	**HO**				**HOST SEQUENCE**					
22.5	22.8		CH		a	As in previous unit but competent.					
			SA								
			SS								
22.8	**23.5**	**HODS**				**HOST - DISSEMINATED SULPHIDES**					
22.8	23.5		CH		a	Broken zone of oxidised cherty sandstone like previous unit with patches of solid fine to medium grained pyrite and fine grained black undifferentiated sulphide. Unit may be sulphide pug/fill in a fault, one pyrite blob looks to be a clast (cataclastite?). Possible error in core block at ~22.7m (incorrectly named 24m) -may have carried through to this unit- 30cm core loss is assigned to this unit if previous block is 22.7m.					
			PY								
			SA								
23.5	**24.0**	**HOTS**				**HOST - TRACE SULPHIDES**					
23.5	24.0		CH		b	Blue grey cherty rock/sandstone/siltstone with small wisps and veinlets of fine grained black sulphide (+/-pyrite and rarely quartz), and fine grained pyrite following cracks, and in rarer cases e.g. pyrite bands, following the cherty banding itself. The cracks and veinlets may sit close to CA, conjugate to cherty banding, or sub-parallel to it. Broken zone in last 15-20cm of unit obscures boundary with next unit. Sharp boundary with previous unit. Competency poor.	23.6	BD	54°		
24.0	**24.7**	**HODS**				**HOST - DISSEMINATED SULPHIDES**					

Sample No	From (m)	To (m)	Length (m)	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	TMU $
97172	38.9	39.5	0.6	0.1	0.2	0.01	10	0.1	2.8	6
97173	39.5	39.7	0.2	0.1	0.1	0.01	3	0.1	1.3	3
97174	39.7	40.7	1.0	0.1	0.1	0.01	2	0.1	1.4	3
97175	40.7	41.7	1.0	0.1	0.1	0.01	3	0.1	1.7	3
97176	41.7	42.0	0.3	0.1	0.1	0.01	9	0.2	14.6	5
97177	42.0	43.0	1.0	0.1	0.1	0.01	2	0.2	2.0	4
97178	43.0	44.0	1.0	1.0	1.6	0.05	11	0.2	3.4	30
97179	44.0	45.5	1.5	0.3	0.3	0.02	8	0.3	3.3	10
97180	45.5	46.6	1.1	0.3	0.5	0.02	4	0.1	1.9	10
97181	46.6	48.0	1.4	1.1	3.4	0.03	12	0.4	3.7	56
97182	48.0	49.0	1.0	0.1	0.1	0.02	1	0.1	1.4	3
97183	49.0	50.5	1.5	0.1	0.1	0.07	1	0.1	0.3	4
97184	50.5	51.0	0.5	1.9	21.8	0.20	71	1.7	13.7	322
97186	51.0	52.2	1.2	0.3	1.0	0.48	19	15.0	1.4	155
97187	52.2	53.2	1.0	0.1	0.2	0.05	7	0.9	1.6	13
	Total Length:		30.4							

Standards

Reference Values for:	HBM-02					17/07/98	
	3.4	12.5	0.46	150	1.3	22.7	
Variances Allowed:	20%	20%	30%	20%	20%	20%	
97185 Inserted @ 51.0m	3.6	14.4	0.48	141	1.3	21.6	Y

Weighted Averages

32.5	34.1	1.6	1.2	10.6	1.27	30	0.2	7.6	165
35.3	37.1	1.8	1.6	12.1	0.94	168	0.5	6.1	209
50.5	52.2	1.7	0.8	7.1	0.40	34	11.1	5.0	204

TMU Parameters

Date of Parameters: 21/07/98 **Aust-US Exch. Rate:** 0.7000

Pb Metal Price (US$/t):	$525	**Pb Recovery (%):**	68.40%
Zn Metal Price (US$/t):	$1,200	**Zn Recovery (%):**	75.50%
Cu Metal Price (US$/t):	$1,750	**Cu Recovery (%):**	45.40%
Ag Metal Price (US$/oz):	$6	**Ag Recovery (%):**	70.00%

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 $
24.0	24.7		BR CH	cl py	a	Cherty breccia with sulphidic and chloritic matrix - generally matrix supported, though some clasts cross the core. Sulphides dominated by disseminated fine to medium grained pyrite cubes and lesser patches, blebs and veinlets of fine grained black sulphide (undifferentiated) and galena; rarely have 5-10mm clots of pale-brown sphalerite. Difficult to perceive a persistent dominant fabric. Core is of poor competency.																
24.7	**25.1**	**HOSM**				**HOST - SEMI-MASSIVE SULPHIDES**																
24.7	25.1		SH	cs py	a	Semi massive sulphides consisting of disseminated or thinly banded pyrite, with lesser fine grained black sulphide and galena, with lesser reddy brown sphalerite augen; possibly some chalcopyrite component mixed with the pyrite. The groundmass is chlorite+/-sericite. Unit is strongly cleaved, and most bands, augen etc sit in this fabric. Some cross-cutting veinlets of galena-fine grained sulphide exist. Core of moderate to poor competency (pieces 5-10cm in length).	24.8	CV	44°												
25.1	**25.5**	**HODS**				**HOST - DISSEMINATED SULPHIDES**																
25.1	25.5		BR CH	cs py	a	Broken zone - Continuation of green and grey cherty breccia with a chlorite+/-sericite and disseminated pyrite altered matrix. Unit picked out due to clayey pug in last 5cm of unit. Shear? Contact is next to a thicker cherty interval, thus the pug may be only very localised.	25.4 25.5	CV CT	46° 71°												
25.5	**27.4**	**HOTS**				**HOST - TRACE SULPHIDES**																
25.5	27.4		BR CH	cs	a	Continuation of cherty breccia. Small clayey zone at 25.7m and possible pug at 26.8m. Cherty clasts can be large (5-10cm) and the chlorite-sericite+/-pyrite altered matrix intervals are correspondingly sized (and soft). Pyrite content much decreased, but fabric still quite strong. Core of poor competency (some sticks above 5cm). Contact with next unit shows a very strong fabric. Core orient at 27m. Orientated measurement at 26.98m - Banding/cleavage dip 70 degrees NW strike ~215-35.	27.0	CV	52°												
27.4	27.6		BR CH	sc	a	Cherty breccia with HODS pyrite-fine grained sulphide and sphalerite (similar to previous units). Cleavage fabric as in previous. Core as pieces 2-5cm long.																
27.6	**29.6**	**HOTS**				**HOST - TRACE SULPHIDES**																

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 $
27.6	29.6		BR RK SS	sc se	a	Unit begins as very strongly sheared, sericite altered chert bearing rock (light yellow cream coloured - first 15cm). This rapidly changes to sericite+/-chlorite altered sandstone/rock (greeny-grey colour), which only faintly carries the fabric. This carries occasional thin veinlets of medium brown sphalerite blobs rimmed by fine grained black sulphide and pyrite, which may be carried in, or accompanied by quartz. Isolated spots of this assemblage also occur. Silica content seems to be higher in these mineralised zones. At 29.1m unit changes to a complex breccia of cherty and clay altered 'lithic' fragments (5mm-2cm in diameter). This is not included in the next unit due to clay fragments, and more rounded nature of the clasts (possibly detrital?). Small spots of sphalerite etc and larger pyrite cubes are found in this latter zone aswell. Competency good.	27.7	CV	47°													
29.6	**32.5**	**HOTS**				**HOST - TRACE SULPHIDES**																
29.6	32.5		BR CH	sc	a	Cherty breccia as in previous units, varying from matrix to clast (>10cm) supported. Sulphide mainly as occasional pyrite blebs in the sericite+/-chlorite altered matrix. Some thin (<1cm) pyrite bands/clasts are occasionally present. Rare spots of sphalerite etc may found (usually <5mm). Competency variable (matrix dominant parts are less competent) - overall moderate to poor. Small broken zone 31.5-31.6m. Minor carbonate? (white <1cm diameter) spotting at the beginning of the broken zone).	31.7	CV	44°													
32.5	**33.1**	**HOMS**				**HOST - MASSIVE SULPHIDES**																
32.5	33.1		PY RK SP		a	HOMS of beautiful medium brown sphalerite as misshappenly interconnected spots and blobs, often rimmed by a very thin fine grained black sulphide margin, sitting within pyrite-chalcopyrite and fine grained black sulphide. Last 10cm is black and may be comprised of fine grained sulphide finely mixed with chlorite? Difficult to ascertain the sulphide content of this zone. Carries disseminated pyrite (mix of medium coarse grained and finer grained crystals) and sphalerite spots. Remnant quartz veining present sporadically as reasonably well formed crystals within the sphalerite rich part of this unit - but often accompanied by the fine grained black sulphide. A fabric is only fainlty visible in the black latter portion of this unit. Core of moderate to poor competency. Core orient at 33m.	33.0	CV	44°													
33.1	**34.1**	**HODS**				**HOST - DISSEMINATED SULPHIDES**																
33.1	34.1		BR CH	cs py	a	Return to cherty breccia (matrix dominant), but clasts are becoming smaller and more patchy, although still large in places. Matrix is chlorite-?sericite altered with disseminated grade pyrite cubes, and lesser sphalerite spots (<5mm) present. Galena also present but mainly in and around a larger banded cherty clast at 33.5m. Last 10cm of unit quite broken - possibly a shear/fault. Core competent otherwise. Fabric as in previous units.	33.3	CV	45°													

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 $
34.1	**34.5**	**HO**				**HOST SEQUENCE**																
34.1	34.5		DA VR	 se	a	Dark grey volcanic rock (perhaps dacite), with yellow-green sericite alteration patches/pseudo fiamme. Unit carries white often lath-like carbonate or clay altered phenocrysts up to a few mm in length. These may be found in or out of the 'alteration' patches which have a vague pseudo fiamme character. Some of the 'phenocysts' are equant to sub rounded - perhaps clasts? 'Fiamme' define a fabric (termed cleavage in structures). Core of moderate competency. Broken and mushy contact with previous unit - minor component of this lithology incorporated into end of last unit.	34.3	CV	60°												
34.5	**35.3**	**HOSM**				**HOST - SEMI-MASSIVE SULPHIDES**																
34.5	35.3		RK	py se	a	Hods-Hosm of disseminated pyrite cubes as an alteration of rock possibly like that of last unit. Cubes fine to medium grained - larger ones surround minor pits and cavities. Difficult to pick a fabric. Minor joint/shear at 35.2m. Core of poor competence, as all sticks under 10cm and quite crumbly.	35.2	JT	32°												
35.3	**35.6**	**HOMS**				**HOST - MASSIVE SULPHIDES**																
35.3	35.6		GA SP		a	Massive sulphide - as fine grained black undifferentiated sulphide (black streak), with lesser bands (some faint, others veinlike) and aggregates of spotty medium to light brown sphalerite. Some galena also present around minor pits and cavities, and may comprise much of the fine grained black sulphide. Rarer chalcopyrite is associated with some of the more veinlike sphalerite bands. Core of moderate competency. Protolith probably a cherty rock.	35.5	BD	40°												
35.6	**36.5**	**HOTS**				**HOST - TRACE SULPHIDES**																
35.6	36.5		CH		b	Medium grey. Banded cherty sediments with trace to disseminated sulphide as sphalerite (+/-fine grained black sulphide) spots and fine grained black spots, with lesser bands of sphalerite and one semi massive pyrite band (follows cherty banding). Unit may run 2% Zn, difficult to estimate. Cherty banding is convoluted in places - folding? Core of moderate competence. Core orient at 36m. Orientated measurement of cherty banding - near vertical, 170-180 strike. Sulphide vein ('conjugate' to cherty banding), sub horizontal to 20 degrees W, strike ~N-S.	36.2	BD	46°												
36.5	**37.1**	**HOSM**				**HOST - SEMI-MASSIVE SULPHIDES**																
36.5	37.1		BR CH	py se	a	Matrix supporteed (just) breccia of rounded cherty fragment (3mm-1cm diameter) in a matrix of predominantly pyrite and sericite with lesser sphalerite and fine grained black sulphide. Unit crumbly and a little cavitous, but of moderate competency.																
37.1	**38.1**	**HOTS**				**HOST - TRACE SULPHIDES**																

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 $
37.1	38.1		CH	se	b	Cherty unit with persistent thin streaks of sericite alteration throughout - unit is cherty breccia (in a sericite+/-chlorite schisty looking matrix) in the first 10cm or so. Most of unit carries disseminated sulphide spots (many now pitted) of pyrite, galena, and fine grained black sulphide. Fabric defined by sericite wisps and by sulphide spot trends. Fairly abrupt contact with next unit. Core of moderate to poor competency.	37.5	CV	51°												
38.1	**38.9**	**HO**				**HOST SEQUENCE**																
38.1	38.9		SH	sc	a	Yellow-green, sericite+/-chlorite (and perhaps a minor silica component) schist. Stong fabic marked - perhaps sheared out version of previous unit. Core competent.	38.7	CV	63°													
38.9	**39.5**	**HO**				**HOST SEQUENCE**																
38.9	39.5		SS ST		b	Unit of medium grey, partially silicified, banded siltstone/sandstone. Unit quite broken, and when combined with first part of next strat might be a fault. Unit carries very minor disseminated pyrite cubes. Abrupt contact with previous unit. Banding varies rapidly in orientation.															
39.5	**41.7**	**HO**				**HOST SEQUENCE**																
39.5	39.7		PU RK	se	a	Broken zone of medium grey-green rock with yellow-green sericite alteration splotches/dodgy pseudo-fiamme. Unit carries ?clay altered fragments/?phenocrysts 1-2mm in size - some are lath like, others are sub-rounded. Sericite splotches can be from 1-20mm wide, and are elongate (fiamme like) and also carry the fragments.. Rock possibly a pumice bearing lava or mass flow - perhaps dacitic in composition.															
39.7	41.7		BR CH VC	se	a	Unit begins as in previous, but quickly grades into a orangey hued unit of similar texture, but with 1-2cm rounded, or wormlike cherty clasts. Perhaps it is some sort of mass flow?, or merely an altered cherty breccia. Cherty clasts do not carry the clay fragments - these are quite concentrated and found in the sericite matrix. Core competent. Open space, thin (2-3mm) Quartz + sphalerite +chalcopyrite+galena vein present at 41.3. Unit grades abruptly (1-2cm) into next.	40.1	CV	46°												
41.7	**42.0**	**HOSM**				**HOST - SEMI-MASSIVE SULPHIDES**																
41.7	42.0		RK VC	py se	a	Previous unit with semi-massive fine grained pyrite alteration. Core competent.																
42.0	**45.5**	**HOTS**				**HOST - TRACE SULPHIDES**																

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 $
42.0	45.5		BR CH	sc	b	Cherty bearing breccia, possibly a mass-flow volcanoclastic as in unit before previous but with the orange hue. Cherty clasts become increasingly large throughout and eventually are bands crossing the core width, separated by chlorite-sericite altered rock with flecks/fragments/?phenocrysts (less distinguishable than previously). Fabric quite stong in the non cherty portions. After 44.1m unit quite broken - possibly within a fault. Clayey ?pug (5cm) present at 45.4m. But within the broken pieces are sticks 10-20cm in width. Unit carries uncommon sphalerite-fine grained black sulphide-galena-pyrite patches up to 3cm wide but irregular in outline e.g. 44m. Overall unit will go <<1% Zn however.	44.0 44.7	CV CV	55° 60°													
45.5	**50.5**	**F**				**FAULT**																
45.5	48.0		SS	cs	b	Broken zone of greeny coloured, weakly to moderately chlorite-sericite altered sandstone. Rare fragments may carry cherty clasts. Also may carry rare sulphide bands (fine grained black sulphide, galena, pyrite and sphalerite). Overall grade negligible though.																
48.0	50.5		RK	ql qs	a	Broken zone of beigey yellow coloured silica-sericite-chlorite altered rock. 60cm core loss (minimum) within this and last unit. Unit has common thin quartz-chlorite veinlets (varying orientations).																
50.5	**51.0**	**HOMS**				**HOST - MASSIVE SULPHIDES**																
50.5	51.0		GA PY		a	Massive sulphide as banded pyrite + galena with lesser sphalerite +/- chalcopyrite. Sphalerite as medium brown spots and blebs usually associated with/rimmed by fine grained black sulphide. Unit of moderate competence in the middle but the margins are quite broken. Sulphides appear to have replaced banded chert.	50.7	BD	70°													
51.0	**53.2**	**HOTS**				**HOST - TRACE SULPHIDES**																
51.0	53.2		CH		b	Cherty banded sediments with patchy blebs veinlets and bands of sulphide. Dull fine grained pyrite bands/blebs are dominant, with occasional patches of fine grained black sulphide and sphalerite +/-chalcopyrite etc present. Overall unit may go 1%Zn. Cherty unit is pitted by thin cracks (varying orientations) which are often lined with sulphides (black fine grained). Banding varies in orientation from 0 to 60 degrees to CA. Quartz veinlets and lesser veins with cavities are common and may be accompanied by the sulphides mention previously. Core generally of moderate competency. Beginning of unit a little broken. EOH 53.2m.																