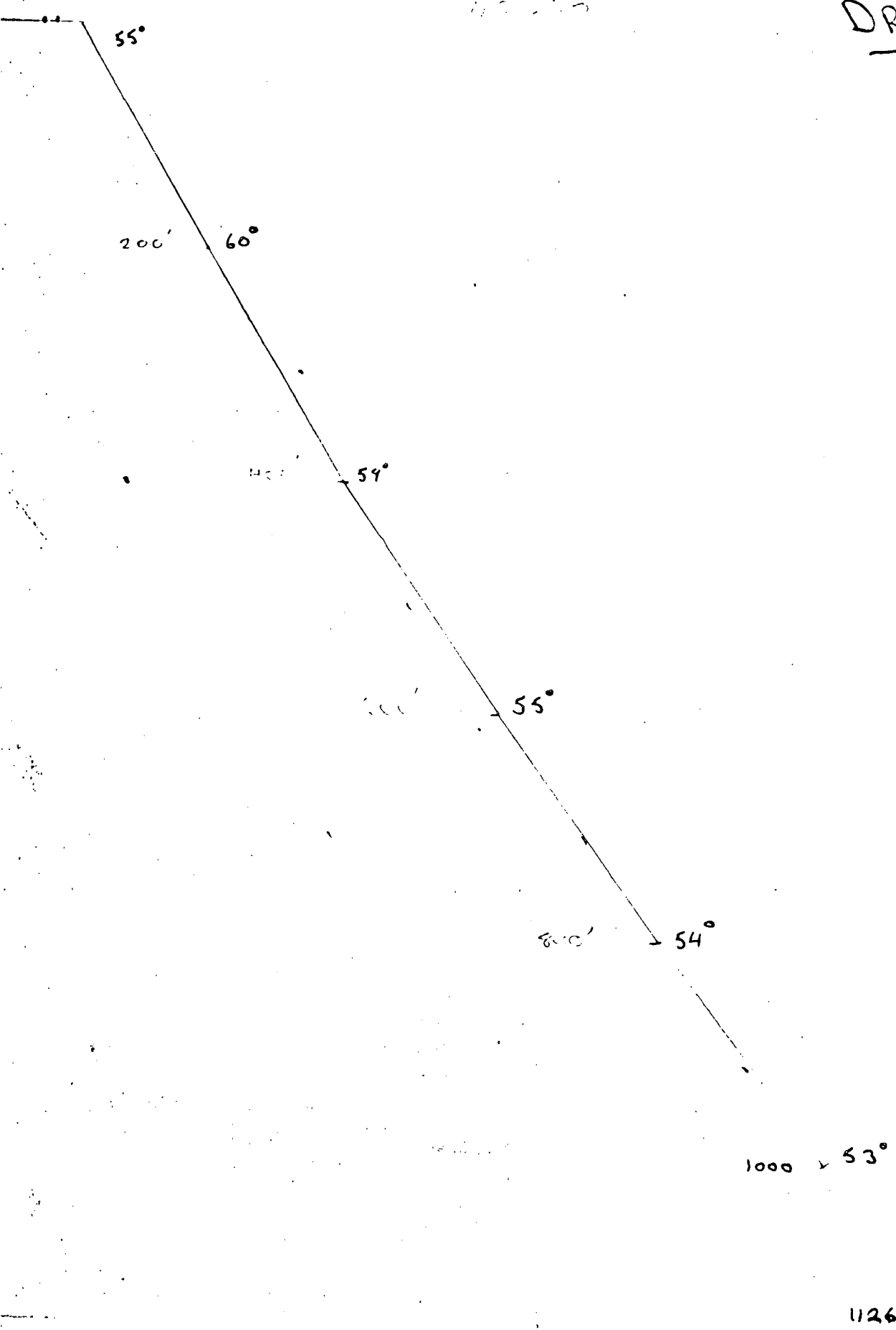


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76VM-1

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1976
DRILLING



1126 \angle 52½

Hole #1
76 VM-1
Hole #1

Footage	Pyrite	Po.	Pb	Zn	Habit
8.3	.3%				disseminated throughout rock, fewer but larger blebs are found in the quartz veins. (3/4" band)
9		trace <.5%			slightly magnetic throughout rock
7	trace <.5%				disseminated throughout (~1.5" band)
8-28.3	trace	trace			slightly magnetic, finely disseminated throughout.
3-28.5					moderately magnetic (mineral unidentified)
5-28.6	trace	.5%			fine stringers // to S ₂
-29.5	trace	trace			slightly magnetic (disseminated in small blebs)
1-34.2	trace	.5%			moderately mag., diss. in small blebs & stringers
6-56.0	trace	trace			very slightly magnetic, small blebs with irregular shapes.
3-58.3	trace				disc. blebs throughout with no definite orientation
4-62.7		~.5% trace			feathery, fine veins scattered throughout
-65		trace			fine veins // to S ₂
6-66.7	trace				cubes along qtz filled fracture
6-76.0	trace				feathery stringers and patchy in qtz knot
-82.6	trace				small blebs scattered in qtz knot.
-89.9	trace				blebs ~7mm in diameter, massive with very small cubical facets giving the bleb a fine sugary texture.
-90.1	.5%				very elongate blebs of massive (sugary) looking py. in qtz knot (paralleling the boundary between the rock and qtz (roughly) - looks like flowed with qtz. massive looking blebs in qtz.
-91.1	trace				
93.5	trace				along fracture surface in irregular feathery stringers
96.5		trace			fine stringers // to S ₂
06.3-106.4	trace				cubes and sugary massive pyrite in qtz knots and along fracture surfaces.
109.3-109.8	trace				disseminated blebs in qtz and limy rich area, no apparent order
4-111.0	trace				fine disseminated blebs in qtz knot.
7	trace				elongate bleb of sugary pyrite - elongation // S ₂
	trace				blebs of mass. sugary py in qtz knot. (~1mm size)
8	trace				blebs of mass. sugary py in qtz knots (~1mm size)
-127	trace.				fine stringers of py // to S ₂ and larger blebs and cubes in qtz.
-133.2	trace.				fine stringers, random orientation in qtz.
5	trace				cubes in gouge.

wt %	Pyrite	Po	Pb	Zn	Habit
4					
4.8	trace				blobs of mass. sugary pyrite (~1mm size) in both qtz and rock.
6-137	trace	trace			Py - in fine diss blebs (~1mm) in qtz Po - in fine stringers // to S ₂ in rock <u>not</u> qtz.
3.8-145	.5%				cubes in gouge and blebs in qtz
51	trace				stringers (fine) throughout rock but majority in qtz.
3.5	trace				cubes (~1mm) in gouge.
3.5-154	trace				small cubes (1mm) throughout rock but mostly in qtz.
54.1	trace				~1mm cubes in gouge
8.3-158.5	trace				finely diss. throughout.
61	trace				~2mm cubes on phylitic surfaces.
11.5	trace				~1mm cubes in gouge.
3.5-162.6	trace				patches of fine sugary cubes throughout rock.
4.8	trace				~1mm cubes in gouge.
7.7	2.5%				~3mm cubes in gouge.
3.9-169.8	trace				~1mm cubes in gouge
1.7	1%				~1mm cubes in gouge.
36.5-187.3	.5%				massive sugary blebs up to .5"
7.4	trace				massive py throughout with some blebs up to ~.2mm
19.7	trace				finely diss. in qtz.
21	trace				along fracture, mass. sugary.
7.2		trace			along edge of qtz knot (vein), massive
3.7-208.8		trace			SOS.
8-209.2		trace			finely diss.
228.2		trace			veinlet (~1mm thick) and finely diss. moderately magnetic (spotty over core length).
0					mod. magnetic (po?) (spots)
1-233.4					SOS
4.3-234.6		trace			veinlets sub-// to S ₂
6-236					mod. magnetic in spots throughout core length. (po not seen)
236.8		trace			diss. and veinlets throughout core vein are // to sub-// to S ₂
8-237.8		trace			slightly magnetic in spots, some small veinlets and diss. po can be seen.

Footage	Py	Po	Pb	Zn	Habit
1.8-238.8					spots slightly magnetic along core length
8.8-239.8		trace			small blebs ~ 2mm
1.8-240.0					spots of slightly magnetic along core length
4.0	trace	1%			band along lower contact of atz up to 1cm thick
0-242					spots of slightly magnetic along core length
2-242.8		trace			bands in biotite schist and along edge of qtz.
1.8-246					spots slightly magnetic
6-247.6		trace			bands in schist and qtz.
7.6-253					very slightly magnetic spots
3-253.3	trace				blebs (~2mm) of mass. Py.
5.2	trace				SO5 ~ 4mm
5-265.4	trace				blebs up to 6mm in and around qtz knot massive sugary.
6.2-266.3	trace				very fine stringers sub to S ₂
3.2-268.8	trace				fine stringer to S ₂ } massive blebs around qtz knots
71- 272	trace	trace			bleb ~ 4mm in qtz knot.
71.3-272	1% to trace				blebs around qtz knots.
6.1					slightly magnetic
6.8	trace				smeared patch along fracture
7.6	trace				25mm blebs to S ₂
1					slightly magnetic
1.3		trace			bleb in qtz near bottom
2.8					fine stringers of pyrite S ₂
7.7					slightly magnetic
.5					SO5
4	trace	trace			both are around bottom contact of qtz knot, massive, elongate sub-parallel to S ₂
5-296.9		.5%			band to S ₂
5-296.9		trace			bands and fine stringers in qtz and rock.
4	trace				very fine stringers with random orientation
7-305	trace				fine diss. cubes in qtz rich band
6-306.4	trace				SO5

Age	P _y	P _c	P _b	Zn	Habit
77.6-308.2	trace	trace			very fine stringers of P _o to S ₂ fine cubes and mass. patches with random orientation
10	trace	trace			fine stringers S ₂ of P _o & P _y patches ~.7mm of P _o
18.5	trace	.5%			band S ₂ at base of qtz.
20.6	trace				irregular band in qtz
2322.6		1%			band at base of qtz, very irregular
5.6-326.6		trace			fine to very fine stringer S ₂
8.6-329.8		trace			SOS.
33.2-334.2		trace			blebs and bands in qtz - some fine stringers in schist S ₂
35.1		trace			band at base of qtz, S ₂
35.9	trace	trace			band in qtz - sub S ₂
7-337.6		trace			fine stringer S ₂
0.6-340.8		up to 1%			blebs in qtz near contact, up to 1% in places.
40.4		trace			SOS
42.4		trace			band in qtz
42.7					slightly magnetic
45.5	trace				small band near fracture, mass.
47		trace			very fine stringers
14	trace	trace			blebs ~.5mm of P _y very fine stringers S ₂
5.4					slightly magnetic around qtz with
1.7	trace	trace			smear out on surface, bleb, ~1cm
9.7-360.0		trace			Very fine stringers, S ₂
361.1		trace			~2mm blebs in qtz
1.8-365.9		~.5%			blebs and bands in and around qtz.
7-367.3		~.3%			SOS
4-370.1	.5%	trace			Very fine stringer sub S ₂ of P _o one .7cm band of P _y small cubes of P _y
2-378.8		trace			very fine stringers sub S ₂
0-380.2		~.3%			small ~.3 3mm blebs smeared on fracture
1-382.3		trace			very fine stringers, S ₂
4-386.6		trace			sub S ₂ , very fine stringers
8-389.4					SOS.

octage	Py	Po	Pb	Zn	Habit
0.1-390.3	trace	trace			very fine stringers of Po - // S ₂ - 8mm band of Py - sub // S ₂
1-391.5					moderately magnetic
5-393.5	trace	to trace			patches and bands in qtz band
7-397.4	trace				fine band, irregular, in qtz
8-398.5		trace			very fine stringers // to sub // S ₂
9-390.1		trace			5mm band in qtz. contact.
3-403.5	trace	trace			Very fine stringers sub // S ₂
1		trace			small band in qtz
6-406.8		trace			very fine stringer sub // S ₂ 1cm band in qtz but concentrated along contacts up to 1% 5mm bleb
3		trace			
6-412		trace			very fine stringers sub // S ₂
3-413.4		.3%			band, irregular, concentrated on top of qtz rich band. two small blebs elongate // S ₂
5		trace			
5-415.7		.7%			irregular bands and stringers at top of qtz band
4-416.5	trace				irreg. band at bottom of qtz band
5-417.3		trace			very fine stringers // S ₂
	trace	trace			smear patches on fracture.
2		.5%			1cm band and stringers nears qtz knot sub // S ₂
8-421.9		.3%			small blebs and bands and stringers (// S ₂) around qtz band.
1.2		trace			4mm bleb in qtz slightly elongate sub // S₂
-426.8	trace .3%	to trace			small blebs, irreg, elongate in qtz of py very fine stringers sub // S ₂ in schist smear patches on fracture. fine stringers in qtz.
10,3410.4	trace	trace			
9-444	trace				bands, irreg at top qtz band
6		trace			very fine stringers // S₂ in black schist
3		trace			smear patch on fracture.
8		trace			SOS
		trace			very fine stringer // S₂
7		trace			smear patches on surface (fracture)
2		trace 3%			irreg blebs and band in qtz with larger concentrations near bottom

Stage	Py	Po	Pb	Zn	Habit
0		trace			smeared blebs on fractures
1.4		trace			inreg. blebs and band in qtz with larger conc. near bottom.
2.1		trace			smeared blebs on fracture
15.8		trace			SOS
8-135.6		trace			inreg. blebs in qtz. conc in top
8		trace			inreg. smeared blebs
1.1		.3%			inreg. blebs in qtz and smaller ones in schist
1.7-44.3		trace			inreg. blebs in qtz.
1.5		trace			SOS
2.3		.3%			inreg. bands in qtz
155.6		trace			SOS
6	trace				fine cubes in gouge.
5		trace			small blebs, inreg. in qtz.
465.4		.2% to trace			SOS note - just around qtz.
		trace			SOS
		trace			SOS
5-474.7		trace			SOS
		trace			smeared bleb (1cm) on broken surface in schist. slightly magnetic
6		trace			2mm bleb in schist moderately magnetic
		trace			inreg. bleb 2mm in qtz
	.6%				inreg. blebs in schist along a band. sub S ₂
	.1%				tabular - X-tall piece, almost ⊥ to S ₂ moderately magnetic
497.7					inreg. blebs in schist
498.1	trace				inreg. bands in qtz
	trace				inreg. bands in qtz. along top contact
502.3		1%			inreg. bands near top of qtz band, no observable trends.
507.8	trace	.5%			bleb 1cm in qtz, tabular. Py
505	.1% to trace	.20% to trace			fine veinlets, bands, blebs in schist but larger portion is in the qtz. Po large bleb 1.5cm in qtz and fine veinlets of Py bands in qtz near bottom of qtz, some areas have bands of higher grade sulphides but all in the qtz.

colage	Py	Po	Pb	Zn	Habit
5.4	.1%				bands and blebs around small qtz knot with larger concentrations at bottom contact.
2.7-506.8		1.5%			bands forming a zone of sulphides in qtz, some bands show orientation sub S ₂
8.5	trace				1mm band in qtz, mass.
9.8		trace			blebs and bands in qtz, intimately assoc with chlorite patches.
11.3	trace				fine veinlets in and around qtz
1.7		trace			smear'd blebs along fracture.
3.3		1%			3mm band sub S ₂ in schist.
3.6-513.8	trace	.5%			bands and fine veinlets in qtz and schist
3-516.5	trace				blebs ~ 2mm in qtz
8.5					small band 2mm at base of qtz.
0.4		trace			3mm bleb at base of qtz.
1		trace			smear'd blebs on fracture up to 1.5 cm.
2.3		trace			fine veinlets at base of qtz.
2.6		trace			smear'd blebs ~ 6mm on fracture
1.2		trace			fine veinlet in qtz
	trace				small blebs on surface (fracture)
6	trace				fine veinlet S ₂ in schist
2.4		trace			fine veinlets S ₂ in schist (andalusite rich area)
1.8		trace			bleb 1mm in schist
7.4		.1%			band of variable thickness ~ ⊥ S ₂
9.2		trace			small fine veinlet in schist
1.4		trace			1mm bleb in chlorite
	trace	.1%			bands and blebs at base of qtz
		trace			fine veinlet in schist
8	trace				small blebs and fine stringers at base of qtz
3-553.2		trace			fine veinlet sub S ₂ at base of qtz.
7-556	trace	trace			very fine veinlets S ₂ of Py fine veinlets sub S ₂ of Po
		trace			2mm bleb in center of small qtz band.
3-556.8		.2% to trace			blebs and veinlets in greenstone but higher % in qtz bands.
.2		trace			very fine veinlets S ₁

colage	Py	Po	Pb	Zn	Habit
559.8		trace			very fine veinlets // S ₂ to sub // S ₂ in biotite
0.4-561		trace			SOS
62		trace			very fine blebs.
66.4		.1%			bleb in qtz rich area
75		trace			very fine blebs in qtz rich greenstone.
19.1-576.4		trace			SOS
82.8		trace			SOS
85		trace			SOS
10-592					slightly magnetic spots along length of core
1.4-593.6		trace			fine veinlets and blebs around qtz rich area
4.7					moderately magnetic
28- ⁶⁰⁰ 599		.5% to trace			blebs, fine veinlets, random orientation } all in transverse schist smeared out on fracture surface
1-607.2		1% to trace			blebs in bands and pockets with the majority in the greenstone. smeared bleb on fracture.
95		trace			slightly magnetic in spots.
6-607					SOS
6128					SOS small blebs in schist
3.5		trace			blebs forming band in greenstone.
3.8		trace			very fine veinlet in qtz.
9.3		trace			very fine veinlets in qtz and schist
5-615.5		trace			blebs ~2mm along both qtz boundaries in
7		trace			SOS
7.3		trace			very fine veinlets in schist near qtz band
8.2-6188		trace			sub // S ₂ slightly magnetic
2-621.4					very fine veinlets // S ₂
4	trace				blebs in qtz with majority at base of qtz band.
3-633.4	trace	.1% to trace			blebs and bands in qtz.
6		trace			slightly magnetic
7					strongly magnetic
		trace			bleb in qtz ~3mm

sample	P _y	P _o	P _b	Zn	Habit
40.9		.1%			blebs at top of qtz band in chlorite spot
41.5-643					moderately to strongly magnetic spots along length of core in schist
43-643.1		trace			2mm blebs on fracture surface in schist
43.7		trace			small blebs 1mm in schist
44.3-644.7		trace			very small blebs in schist
45.2		trace			2mm bleb in schist
46-649					moderately to strongly magnetic along length of core
49.3-649.4		trace			small blebs and bands throughout qtz band.
51.7					slightly magnetic
4.2-654.4	.2%	trace			large blebs concentrated at base of qtz, some veinlets ~1mm in schist
7		trace			very fine specks in schist
13.9-664					moderately to strongly magnetic
4.2		trace			fine diss. forming a small band.
5.4-665.6					slightly magnetic
8.5		.1%			8mm bleb at base of qtz
2-669.2	trace	trace			small 2mm band near base of qtz. of P _y .
		trace			small 2mm bleb in qtz and schist
		trace			small blebs in qtz, close to base.
10.8-672.1		trace			strongly magnetic throughout qtz band, blebs ~1mm seen near base of qtz
3-674.2	trace	1% to trace			blebs up to 1.5cm in qtz of P _o , 1cm blebs of P _y in qtz both top and bottom.
1.0					Chalcopyrite 3mm bleb in qtz surrounded by pyrite showing some X-tallicity
8-678.2		trace 1%			fine blebs and veinlets in schist and qtz.
4-678.8		to trace			in qtz rich area tension gash filled with mass. P _o
1		trace			fine veinlets in schist at base of qtz.
2					small 1mm blebs at base of qtz.
2.3-682.4					smearred 3mm blebs on fracture.
4-683.7	trace	1.2% to trace			bands and blebs 2mm at in qtz and schist, majority at top of qtz.
		trace			small blebs in qtz along slightly // S ₂
6-685.1		.1% to trace			bands and blebs // S ₂ to sub // S ₂
7		.1%			blebs at base and top of qtz.
8.3	trace	.3% to trace			blebs and bands in qtz

Footage	Py	Po	Pb	Zn	Habit
688.4		10%			blebs conc. mostly at base of qtz.
691.7-692.3		trace			blebs near base of qtz.
697.5		.2%			1mm bands sub S ₂
698.5	trace				diss forming blebs in schist and qtz
707.3		trace			fine .7mm bands at base and top of qtz
706.8		.1%			fine bands and diss. blebs in schist
707		trace			SOS
707.4	.2%				1mm band sub S ₂ in schist
13		trace			blebs ~1mm in qtz.
115.5		trace			SOS except ~3mm
117	trace				1mm blebs in schist
119.4		trace			very fine veinlets sub S ₂
125		trace			bands - 1mm at base of qtz
126.1		trace			diss very fine in schist
126.5		.7%			band sub S ₂ in qtz
31.7		.1%			SOS
32.7		.6%			SOS and blebs.
35.3	.5%	trace			blebs and bands in qtz.
36.8-736.2		trace			fine veinlets in qtz
1.					scattered 5mm blebs on fracture and
4-744.6	trace	.1% to trace			irreg 1mm veinlets in qtz.
8.3-749.6		.1% to trace			blebs in qtz closely assoc with chlorite
71		.1%			diss. and blebs in greenstone
59.4	trace				1mm band base of qtz sub S ₂
0.					fine veinlet in qtz
5-767	trace	.3%			elongate blebs S ₂ at base of qtz and in qtz
2		trace			blebs throughout qtz.
772.3		trace			diss in greenstone.
28 773.6		trace			2mm bleb in qtz assoc with chlorite
2-775	1% to trace	trace			fine veinlet at bottom of qtz.
					bands and veinlets in qtz

Footage	Py	Po	Pb	Zn	Habit
779.6	trace				1mm bleb in schist
781		.2%			blebs and veinlets in qtz.
782.3	trace				1cm smeared bleb on fracture
786.7	1.0%				smeared blebs on surface break.
794.2		trace			2mm elong bleb and fine veinlets
794.8-796.3	2% to trace				sub // S ₂ 2cm blebs, veinlets, around qtz rich area.
796.7	trace				5mm bleb in qtz filled fracture.
797.6		trace			1mm blebs in schist
802	trace				fine veinlet in qtz sub // S ₂
807.-807.5		.10% to trace			blebs in qtz
807.7-808.4		.8% to trace			blebs in qtz up to 1.2cm.
809.7		1.7% to trace			bands forming a large band around core.
811		.3% to trace			so elongate blebs at base of qtz
817	.1%				blebs in qtz
817.7	.1%				imm enatic band
820.6	trace	trace			blebs and fine veinlets of Po in schist x-talline blebs in qtz
828-829.2	trace	2% to trace			1cm bands and blebs in qtz of Po assoc. fine blebs in qtz of Py
831		.3%			2mm elongate blebs at base of qtz ^{with chlorite}
838		.1%			SOS
839.2		trace			SOS
843.2		trace			1mm bleb elongate, at base of qtz
845		trace			SOS
847.4-851.6		.8% to trace			blebs at top of qtz.
853.9		trace			blebs in qtz.
855		.1%			blebs in schist (qtz rich area)
857.6-877.7	trace	.2% to .3%			blebs in qtz band mostly concentrated near base
857.3-886.5		.6%			irregularly oriented elongate blebs in schist assoc with biotite and qtz rich area
857.7-886.8		.1%			irregular blebs in qtz band.
857.3-895.5	trace	trace			small blebs in bottom half of qtz
893.1		.2%			blebs, elongate sub // S ₂ in qtz
896.3		trace			SOS

Footage	Py	Po	Pb	Zn	Habit
927.1 932.1	trace				1mm bleb in qtz.
930	.1%				1mm bands almost \perp S ₂ in qtz
944.5		trace			fine stringers in qtz in schist (biotite) near qtz
945.7	trace				ineq. bleb in qtz
946.8	trace				1mm cubes in schist
950.4		trace			very fine stringers sub S ₂ in schist
975.4-976		trace			1mm blebs in greenstone.
982.4		trace			fine stringers sub S ₂ in schist near qtz
985.6-985.9		trace			very fine stringers in schist sub S ₂
994-994.2		trace			1mm bleb and smeared blebs on fracture
999.3-999.4		trace			very fine stringers sub S ₂ on top and bottom of qtz
992.6		trace			1mm bleb in qtz
1006.4		trace			very fine veinlets S ₂ at base of qtz in schist (biotite)
1014.5	.3%				1mm band of x-talined py in qtz.
1017.7		.1%			blebs elongate at base of qtz
1022-1022.1		trace			very fine stringers sub S ₂ in schist
1023		.2%			blebs elongate in schist at top of qtz band.
1028.2		trace			elongate blebs at base of qtz
1035.7	.1%				3mm bleb at top of qtz
1036		.2%			5mm bleb at top base of qtz
1037.2-1037.4		trace			very fine veinlets sub S ₂ in schist
1043-1043.3		trace			SOS
1047-1047.1	trace				disc. forming bleb in schist
1052.3	trace				1mm bleb S ₂
1052.6-1052.7	trace				blebs elongate in qtz
1056.4		.1%			blebs elongate in qtz assoc with chlorite
1055.8-1055.9		.2%			5mm bleb and blebs at base of qtz
1057.5		trace			elongate blebs at top of qtz (~1mm)
1059		.1%			elongate blebs in qtz assoc with chlorite
1066.4		trace			very fine veinlets sub S ₂ in schist

lotage	Py	Po	Pb	Zn	Habit
8.6-1068.7	trace	.8%			elongate blebs in qtz
069		trace			SOS
071		.1%			elongate blw at base of qtz contact, contained in schist
071.5	trace	trace			1mm bleb in schist
80		.2%			elongate bleb at base of qtz.
83.6-1084		trace to .6%			elongate blebs in qtz
4.4-1084.7	trace	.5%			blebs in and around qtz bands shows slight elongate orientation sub S ₂
2.1		.1%			1mm band in qtz
1089.6-1090 1065		trace			1mm band and fine veinlets in schist sub S ₂
7.2-1094	trace	trace			blebs in qtz
107.6 1107.9		trace			blebs, some elongate in schist sub to S ₂ near qtz bands.
7.8		trace			2mm elongate bleb S ₂
6.5-1117	trace	.2% to trace			blebs and bands in qtz associated with chlorite
7.8-1118		1% to trace			1.5cm bleb in qtz with 2mm bleb of Chalcopyrite contained in it.
		.2%			blebs 2-3mm in qtz
7.4		.4%			to fine stringers in chlorite which is 1/4mm in
11.7		trace			very fine qtz veinlets sub S ₂ in schist
5.5		.5%			4mm bleb in qtz at top

ROCK GEOCHEM.

DDH. 77 VW-1

		PPM				PPM	
FROM	To	Pb	Zn	FROM	To	Pb	Zn
26.5'	40'	80	2600	310	320	30	310
40	50	52	510	320	330	16	250
50	60	42	280				
60	70	44	370				
70	80	48	400				
80	90	24	260				
90	100	24	270				
100	110	30	320				
110	120	34	470				
120	130	22	310				
130	140	22	260				
140	150	24	280				
150	160	28	160				
160	170	22	230				
170	180	20	230				
180	190	26	270				
190	200	22	250				
200	210	28	410				
210	220	22	350				
220	230	22	460				
230	240	24	420				
240	250	34	320				
250	260	26	220 340				
260	270	28	810 230				
270	280	24	230				
280	290	32	280				
290	300	20	380				
300	310	38	710				

EVANGORDA PROJECT - STRUCTURE 1

MAP SHEET 10-1

LOGGED BY SG 11

DDH 77 VW 1

LOCATION VI 11 12 4

DATE July 22 1977

FOOTAGE	S ₁	S ₂	FOLDING	REMARKS
76'		5°		
87'		normal axis		
92'		45°	S ₂ - S' steeped	Highly contorted
99'				
100-107'			S ₂ - S'	H.C.
120'		10°		Uniform
135'		10°		
150'		10°		
160'		10°		
170-177'				Slightly undulating
180'		20°		
196'			S ₂ M or Z'	Contorted
200'		20°		
205'			S ₂ Z'	
230'			S ₂ S'	
249'		5°	S ₂ S'	
258'		40°		
267'		20°	S ₂ S'	
267-286'		0-10°		
280'			S ₂ Z'	
290'		35°	S ₂ Z'	
295'			S ₂ S'	
300'		30°		
320'		35°	S ₂ Z'	
320-329'		45°		Relatively uniform schistosity