CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

015974

Hole Number: 75-2

Project: ZONE 3 Relog

Location: Section 21/119

Claim: _____

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 8,997.7 (Mine)

14,399.9

Elevation: 4,025.5

Total Depth: 687'

Fabric Orientation Diagram:

All symmetry determinations looking NW with S_2 dipping SW with dip azimuth 210°.

Purpose: ZONE 3 Defn'

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: _____

Core:	Size	From	To	Collar Cased and Capped:
	EQ	0	EOH	

Started: _____ Completed: _____

Cyprus Anvil Mining Corp.

DDH 75-2

Diamond Drill Core Log

4

Code	Drillhole	Elevation	Northing	Easting	Comments
	2 8	10 16	17 24	25 32	34 48
T	75-2	4,102.5	18,990.7	14,319.19	

319
33
5-6

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
	2 8	10	14	22	26	28 32	34 56
R	75-2	990	0	120.0		319.0	ATCOLLAR
R	75-2	687	0	146.0		319.0	AGID DIP 9N47
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
	2 8	10 47

DDH 75-2

Cyprus Anvil Mining Corp.
Lithologic Log

Logged By: _____

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	1 1 10	1 1 0 1 7	1 1	1 1	O/B
L	1 1 0 1 7	1 1 1 1 2	1 2	3 1 D 1 0	
L	1 1 1 1 2	1 1 3 1 2 3	1 3	0 1 E 1 0	
L	1 1 3 1 2 3	1 2 1 2 1 2	1 4	3 1 D 1 0	
L	1 2 1 2 1 2	1 4 1 6 1 8	1 5	1 1 D 1 0	
L	1 4 1 6 1 8	1 5 1 1 3 5	1 6	0 1 E 1 0	
L	1 5 1 1 3 5	1 5 1 1 4 5	1 7	2 1 H 1 0	
L	1 5 1 1 4 5	1 5 1 2 1 8	1 8	2 1 F 1 0	
L	1 5 1 2 1 8	1 5 1 3 1 0 3	1 9	2 1 H 1 0	
L	1 5 1 3 1 0 3	1 5 1 3 1 2	1 1 0	2 1 E 1 0	
L	1 5 1 3 1 2	1 5 1 3 1 4 5	1 1 1	2 1 H 1 0	
L	1 5 1 3 1 4 5	1 5 1 4 1 2	1 1 2	2 1 F 1 6	
L	1 5 1 4 1 2	1 5 1 4 1 8	1 1 3	2 1 H 1 0	
L	1 5 1 4 1 8	1 5 1 5 1 2	1 1 4	2 1 F 1 6	
L	1 5 1 5 1 2	1 5 1 6 1 0	1 1 5	2 1 H 1 0	
L	1 5 1 6 1 0	1 5 1 6 1 8	1 1 6	2 1 E 1 8	
L	1 5 1 6 1 8	1 5 1 6 1 9 5	1 1 7	2 1 E 1 0	
L	1 5 1 6 1 9	1 5 1 7 1 1	1 1 8	2 1 E 1 8	
L	1 5 1 7 1 1	1 5 1 7 1 4 7	1 1 9	2 1 F 1 6	
L	1 5 1 7 1 4 7	1 5 1 7 1 6	2 1 0	2 1 D 1 0	
L	1 5 1 7 1 6	1 5 1 7 1 8 7	2 1 1	2 1 E 1 8	
L	1 5 1 7 1 8 7	1 5 1 8 1 0	2 1 2	2 1 D 1 0	
L	1 5 1 8 1 0	1 5 1 8 1 5 5	2 1 3	2 1 F 1 0	
L	1 5 1 8 1 5 5	1 5 1 9 1 0	2 1 4	2 1 G 1 0	
L	1 5 1 9 1 0	1 6 1 0 1 2	2 1 5	2 1 E 1 0	
L	1 6 1 0 1 2	1 6 1 0 1 8	2 1 6	2 1 D 1 0	
L	1 6 1 0 1 8	1 6 1 1 1 2	2 1 7	2 1 E 1 0	
L	1 6 1 1 1 2	1 6 1 1 1 7	2 1 8	2 1 D 1 0	
L	1 6 1 1 1 7	1 6 1 2 1 2	2 1 9	2 1 A 1 0	
L	1 6 1 2 1 2	1 6 1 3 1 3	3 1 0	2 1 E 1 0	
L	1 6 1 3 1 3	1 6 1 4 1 0	3 1 1	2 1 D 1 5	
L	1 6 1 4 1 0	1 6 1 5 1 4 7	3 1 2	2 1 A 1 0	
L	1 6 1 5 1 4 7	1 6 1 6 1 9	3 1 3	1 1 D 1 4	
L	1 6 1 6 1 9	1 6 1 8 1 7	3 1 4	1 1 C 1 D	
					EOH

DDH 75-2 (2 / 8)

Cyprus Anvil Mining Corp.

Structural Log

Logged By: DJH

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		1100	PSIZ			516 210	
S		1290	PSZ			515 210	
S		1490	PSZ			518 210	
S		1690	PSZ			452 10	
S		1890	PSIZ			58 210	
S		2000	PSIZ			417 210	
S		2200	PSZ			67 210	
S		2490	PSZ			44 210	
S		2710	PSIZ			60 210	
S		2900	PSZ			433 210	
S		3110	PSIZ			418 210	
S		3330	PSIZ			35 210	
S		350	PSIZ			517 210	
S		372	PSIZ			51 210	
S		392	PSZ			69 210	
S		412	PSIZ			517 210	
S		432	PSZ			418 210	
S		452	PSZ			716 210	
S		4617	PSIZ			69 210	
S		5175	PSIZ			502 10	
S		6102.5	PSIZ			219 210	
S		6117	PSIZ			619 210	
S		6319	PSIZ			60 210	
S		6519	PSZ			61 210	
S		6813	PSIZ			712 210	

Diamond Drill Record

COMPANY NAME	
PROPERTY NAME	
DRILLING CONTRACTOR	
ASSAYER	
PURPOSE OF HOLE	

HOLE NO.	1975-2
CLAIM NAME	
COMMENCED	
FINISHED	
PROJECT NO.	

GRID LAT:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
LAST			
ELEVATION			
LOGGED BY M.A. Stammers			
DATE LOGGED Faro. August 1975			
MAP REFERENCE NO.	METHOD:		

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
0	107		Overburden											
107	112		Calc-Sil-Phyllite; bio-chlor-clino ampth assemblage, dk brown-green, variably carbonaceous, thinly to laminarly banded, finely xlline. Core blocky <1" and rubbly.											
112	132.3		Porphyritic Bio-Plag Dorite; med-grey, med grain bio+plag crystals in a vfg matrix super cooled, post D_2 dike/sill. Core blocky <3" and rubbly.											
132.3	148		Calc-Sil-Phyllite; chlor-ep-calcite assemblage, lt green with thin calcite and epidote banding. Minor bio-chlor-clino-ampth interbands <10%, S_2 = 60° to c.a. @ 147'.											
148	185		Calc-Sil Phyllite; chlor-clino-ampth ± epidote, med to dk, green, thinly banded to massive with sporatic epidote bands, f xlline, approaching metabasite nomenclature. Probable metavolcanic origin. <1% bio phyll bands. 2" sulfide rich band <5% with galena, sphalerite, chalcopyrite, and minor py+po. @ 163'.											
185	190		Calc-Sil-Phyllite; chlor-calcite assemblage cf. 132.3-148											
190	200.5		Calc-Sil-Phyllite; chlor-clino-ampth ± ep assemblage with 20-30 % purple-brown bio-phyllite interbands. Trace sulfide mineralization thruout including pyrite, galena, sphalerite in very minor amounts <<1%. S_2 = 65° to c.a. @ 200'											
200.5	203		Calc-Sil-Phyllite; bio phyllite (70%) interbanded with chlor-clino-ampth assemblage Biotite increasing down interval. Good banded and disseminated pyrite <<1%.											
203	206		Qtz-Bio ± Andal Schist/Phyllite; dk red brown biotite, thinly to laminarly banded, moderately carbonaceous. Andalusite visible by 204.5. Phyllite/schist transition zone. Minor visible sulfides as previous intervals.											
206	214.5		Qtz-Chlorite Schist/Phyllite; med green and white alternating thin banding. Mod xllinity											

Diamond Drill Record

COLLAR:
NORTH
EAST
ELEVATION
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HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD:		

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
206	214.5	(cont..)	Some thin clino-amphibole zones with the chloste. No visible sulfide mineralization					
214.5	222		Calc-Sil-Phyllite; chlor-clino-amph assemblage with 10-20% bio phyll interbands.					
			as 190-200:5. No visible sulfide mineralization.					
222	243		Qtz-Bio ± Chlor-Andul-Schist; mod brown becoming dk grey-brown down interval					
			<10% chloritic, green, schist interbands (as 206-214.5). Unit become more andalusite-					
			rich and carbonaceous down unit. Unit strongly siliceous to 230'. Thinly banded, med xllinity					
			Broken and blocky core 229.5-232.5. No visible sulfide mineralization.					
243	284		Variably Carbonaceous Qtz-Bio-Musc-Andul-Schist; dk grey brown to a max black					
			graphitic schist (<5%). Mod. porphyroblastic: blue-grey andalusite and minor chiastolitic andalusite.					
			thinly to laminarly banded, fg → mg, bio > musc schist. moderately siliceous					
			trace pyrite mineralization along foliation and in hairline, x-cutting fractures. (<1%)					
			S_2 = 55° to c.a. @250' Broken and blocky core: 245-248. 6" gouge zones @ 259' (mostly broken					
			core) and @ 273'. Good relict intrafolio F_2 folds defining S_1 @250'					
284	327		Qtz-Bio-Musc-Andul Schist; med brown grey, mod. porphyroblastic, thinly banded,					
			med xllinity. Typical of "Upper Alluvious" zone of 456-75-12. 8" gouge zone to 286'					
			10" bull qtz vein @291. 4" bull qtz-pink andalusite vein @297.5. Minor fault and fracture					
			zone: 299-301.5. 10" bull qtz vein @308. S_2 = 40° to c.a. @308'. 3" Bull qtz veinlet @320.					
			3x2" bull qtz veinlets @325. Unit becomes weakly carbonaceous by end of interval. Some post-D_2					
			calcite stringers. x-cutting unit. Bio ≥ Musc Schist.					
327	331		Qtz-Chlorite ± Bio Schist; lt green and white alternate banding, thinly banded, med-xllinity.					
			non-porphyroblastic. Minor calcite fracture fills.					

Diamond Drill Record

COLLAR:
NORTH
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HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
331	414.75		Qtz-Bio-Musc-Andul-Schist; as 284-327, with bio ≅ musc schist, S_2 = 60° to c.a. @400'					
			S_2 = 60-65° to c.a. @409 where an Z-type F_2 fold exists. Minor pyrite <<1% in post-D_2 fracture fills					
414.75	427.5		Carbonaceous Qtz-Bio-Musc-Andul-Schist; as 243-284, two generation andalusite, later					
			variety – chiastolitic and found in strongly carbonaceous zones, minor post D_2 kinkle folds.					
			Broken and blocky core @ 415 (6"); Broken core and gouge @420 (8") Bull qtz vein @425' (3")					
			Minor pyrite << 1% bands and fracture fills.					
427.5	460		Qtz-Bio-Musc-Andul Schist; as 284-327 and 331-414.75. Muscovite increasing					
			downhole bio ≅ musc schist becoming musc ≥ bio schist. Trace pyrite <<1%.					
			S_2 = 70° to c.a. @451. Several bull qtz veinlets <3". Blocky core: 458-459.					
460	468		Qtz-Musc-Bio-Andul Schist; lt. grey-beige, thinly to weakly banded, weakly porphyroblastic					
			and xllinity. Has white mica envelope lithology and appearance. However this may be a result of					
			kaolitinization due to proximity of intrusive. Majority of core is either broken or blocky with					
			two ≤1" gouge and bx. zones @460.5' and @466'.					
468	513.5		Variably Kaolitinized Diorite to Granodiorite; majority of unit is cream coloured with kaolitinized					
			bio-hb-plag phenos. Med gray zones with preserved bio-plag phenos found @476-478 and					
			487-490. 3" Gouge zone @502'. 20% broken core over interval. Unit mg-cg porphyry.					
			Lower contact with sulfides undulatory at a mean 50° to c.a. @513.5.					
513.5	514.5		Massive Pyrrhotitic + Pyritic Sulfides; purple-gold, massive to vuggy with pyrite					
			phenos increasing and massive po. decreasing downhole. Non-baritic, possible magnetite <1%					
			non-banded, non brecciated. Total sulfides 70-80%. Total pyrrhotite 15%. Combined					
			lead zinc:					

Diamond Drill Record

PAGE 1 OF 1

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY M.A. STAMMERS			
DATE, LOGGED FEB., AUGUST 1975			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 1975-2
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
514.5	528		Massive Pyritic Sulfides ; grey-gold, massive to vuggy with weak sphalerite compositional banding. Med to Coarsely xlline. Cf. Vuggy backstatore., very weakly baritic <1%. Compositional banding may = S_2 = 55° to c.a., non-magnetic, non brecciated. Total sulfides: 80-90%. Total py: 70.%, Combined lead zinc: ____					
528	530.3		Brecciated Massive Pyrrhotitic + Baritic Sulfides; purple gold, massive to weakly breccated. Qtz-Barite clasts/porphs in a vfg pyrrhotitic matrix. Total sulfides 70-80%. Total po. 30%. Total barite 1-5%. Combined lead-zinc: ____, Lower contact with pyritic sulfides @65° to c.a.					
530.3	532		Massive Pyritic Sulfides; brown-gold pyrite, finely to med xlline; non-magnetic non baritic, non brecciated, massive, unbanded, Total sulfides >85% Combined lead-zinc: ____					
532	534.5		Massive Pyrrhotitic ± Pyritic ± Baritic Sulfides; purple-gold po with gold pyrite pods and white barite by intervals and. Massive, unbanded, non-brecciated, vfg po @35% with mg-cg pyrite @1%. Barite over last 8": 5-10%. Combined lead-zinc: ____					
534.5	542		Massive Pyritic-Baritic ± Magnetitic-Pyrrhotitic Sulfides; gold pyrite with intergranular barite galena, sphalerite, magnetite and minor 5% pyrrhotite. Total py 50-60%; Barite 10% and Magnetite <1%. Combined lead-zinc, ____. Coarsely xlline, generally massive, non-brecciated. Typical Buck Shot Ore.					
542	548		Massive Pyrrhotitic + Pyritic Sulfides; as 532-534.5, non-baritic, slight greenish gold tint with up to 10% pyrite visible. Total po. 25%. Combined lead-zinc = ____. Insipiently brecciated? with siderite? porphs/clasts.					

COLLAR:
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HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD:		

Diamond Drill Record

COMPANY NAME
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PURPOSE OF HOLE

HOLE NO. 1975-2
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
548	552		Massive Pyritic - Baritic - Magnetitic Sulfides; lt grey gold pyrite with intergranular barite, sphalerite, galena and magnetite. Unit shows very good compositional banding. S_2 may = comp. banding = 40° to c.a @549. Total barite 5-10%. Combined lead-zinc = _____. Typical bush shot ore. Minor vuggy sections, mineralized					
552	560		Massive Pyrrhotitic ± Pyritic ± Baritic Sulfides; as 532-534.5. Total po. 30% (fg) Total pyrite (mg) 1% in bands and pods. Total Barite 1%. Good visible sphalerite. Combined lead-zinc = _____.					
560	568		Massive Pyritic ± Magnetitic ± Baritic Sulfides; as 548-552, unit massive rather than banded. Magnetite continuous 1-5% with a 6" non-mag zone @562. Barite < 1%.. coarsely xlline Combined lead-zinc = _____.					
568	569.5		Massive Pyritic Sulfides; as 530.3-532, non-magnetic, non baritic, massive					
569.5	571		Massive Pyritic - Magnetitic - Sulfides; as 548 to 552 and 560-568, very weakly baritic <1% magnetite 1-5%, massive to very weakly banded					
571	574.7		Massive Pyritic - Baritic Sulfides; as 548-552 fair banding total barite 1-5% non-magnetic. Five Inch Qtz-Py-Barite-Breccia zone @572' followed by 6" zone of broken and sheared core to 573'. Combined lead-zinc _____.					
574.7	576		Sulfide Bearing Muscovitic Qtzite; bleached white, pyritic, chalcopyritic and baritic strongly fractured. Unpaired 6" F_2 fold hinge @ 575.5. Total Sulfides: 1%. S_2 = 40° to c.a. @ 575.75'					
576	576.5		Massive Baritic - Pyritic Sulfides; as 548-552 and 571-574.7. No apparent banding. Strongly Baritic 20%. Non-magnetic, coarsely xlline					

Here (not plotted)

Diamond Drill Record

PAGE ____ OF 4

COLLAR:
NORTH
EAST
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DATE LOGGED Faro, August '75
MAP REFERENCE NO.

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP

METHOD:

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 1975-2
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
576.5	578.75		Massive Pyritic-Magnetitic Sulfides; as 548-552 and 569.5-571, unit variably magnetitic, non-baritic, csby sllcrie., non-banded, combined lead-zinc ——— Total magnetite 1-3%					
578.75	580		Brecciated Sulfide-Bearing Muscovitic-Garnet Qtzite; c.f. 574.7-576 with 10-15% massive sulfides (pyrite). Good representation of garnet. Strongly fractured to weakly brecciated originally thinly to laminarly banded finely sllcrie. Minor chalco. Foliation mostly destroyed by fracturing					
580	585.5		Massive Pyritic Sulfides; as 514.5-528. Non-mag, Non Baritic. Broken and blocky core 584-585.5. Combined PbZn ——— S_2 may equal compositional banding = 40° to c.a. @ 583					
585.5	590		Massive Pyritic-Baritic Sulfides; as 548-552 and 576-576.5. Strongly Baritic 10-20% Broken and blocky core 588-590. Combined lead-zinc ———, Insipient Banding (faint) non-magnetic					
590	602		Massive Pyritic Sulfides; as 530.3-532 and 568-569.5. non baritic, non-magnetic, mg. Generally massive with broken and blocky core over 90% of interval Combined lead-zinc ———.					
602	608		Sulfide Bearing Qtzite; lt grey white with 10-20% massive sulfides including pyrite, sphalerite and galena. Strongly banded, finely sllcrie. S_2 = 35° to c.a. @ 602' Combined lead zinc: ———, Minor chalco (<<1%)					
608	610.5		Massive Pyrrhotitic-Pyritic Sulfides; as 532-534.5. Upper contact = S_2.					
610.5	612		Massive Pyritic Sulfides; as 530.3-532 but with deceptive pyrrhotite colour due to alteration processes. Core is broken and blocky, trace barite << 1%					

Diamond Drill Record

COLLAR:
NORTH
EAST
ELEVATION
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DATE LOGGED Faro - Aug '75
MAP REFERENCE NO.

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 1975-2
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
612	617		Sulfide Bearing Qtzite; as 602-608 Pyrite-Sphalerite bearing. Strongly fractured											
			to brecciated 612-615. Broken core @615-616.5. Becoming carbonaceous (weakly) by											
			end of interval. Laminarly to thinly (well) banded. Combined Pb-Zn ____ Total Sulfides <5%											
617	622		Carbonaceous Sulfide Bearing Qtzite; med-grey, thinly to laminarly banded. Finely xlline											
			good visible sphalerite + pyrite. Total Sulfides 10-20%. Ribbon banded.											
			Core recovery in short sections. Combined lead-zinc = ____.											
622	633		Massive Pyritic Sulfides; as 530.3-532 and 590-602. Note 3" band of Massive Pyrrhotitic											
			-Basitic Sulfides @633 making lower contact with qtzite. Unit med to esly xlline Unit contains											
			a few graphitic pods or blebs. Combined lead zinc ____.											
633	639.5		Sulfide Bearing Qtzite; as 602-608 and 612-617, weakly carbonaceous, very well banded.											
			Total sulfides ≅ 5%. Combined lead-zinc. ____ @638.5 Note 4" zoned, x-cutting S_2 massive											
			sulfide pod/dyke. Pyrrhotite (2") centres pod with chalco + pyrite + sphalerite bordering po.											
			Origin unknown. Dyke/pod has undulatory contact @60° to c.a. S_2 = 45-50° to c.a. @638.5.											
			@639 another massive sulfide pod (5"), unzoned x-cuts qtzite. Composition unknown and appearance is											
			flow-like and feathery.											
639.5	641		Massive Sulfide Pod - Dyke X-Cutting Sulfide Bearing Qtzite; Qtzite as 602-608 and 633-639.5											
			comprising 10-15% of interval. Contact is largely undulatory. Compositionally pod contains											
			sphalerite, pyrite and chalcopyrite. Non-magnetic. Pod/dyke can be traced over											
			an interval from 638-642 and a similar zoned structure can be seen 653-656.											
641	650.75		Variably Carbonaceous Sulfide Bearing Qtzite; as 617-622 weakly to mod carbonaceous											
			becoming graphitic by end of interval. Good visible sphalerite. Minor galena + chalco visible.											

COLLAR:
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EAST
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METHOD:		

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
641	650.75	(cont.)	Total sulfides 10-15%. Combined lead-zinc = . S_2 = 65° to c.a. @ 650'. Rough Sketch											
			Excellent ribbon banding. Good F_2 (S-type) fold hinge @ 652.5 with parasitic.											
			S type folds visible. See rough sketch. @ 652.5											
650.75	653.75		Zoned Massive Pyrrhotitic-Magnetitic-Chalcopyritic Sulfides; unit is similar to											
			Sulfide pod/dyke at 138-642. This interval however is continuous but does X-cut the											
			apparent host strata. Zoning is as follows and is rough symmetrical.											
			4" 650'9" - 651'1" Contact zone, majority a dull black massive magnetite. Some recrystallized											
			sulfide bearing qtzite with flow-like feathery texture.											
			1" 651'1" - 651'2" Banded Chalcopyrite within pyrrhotite matrix.											
			2'2" 651'2" - 653'4" Massive Pyrrhotitic Sulfides with Galena and Sphalerite.											
			1" 653'4" - 653'5" Banded Chalcopyrite with pyrrhotite matrix											
			4" 653'5" - 653'9" Contact zone, Massive magnetite with disseminated chalcopyrite.											
			Also 1/2" breccia zone and an area of remobalized qtzite.											
			Pod-dyke approx 70° to c.a. @ 655.7'. 10" sample removed 655.15'-656'.											
653.75	654.7		Carbonaceous Sulfide Bearing Qtzite; as 617-622 and 641-653. Unit strongly fractured											
			and intruded by a small dull qtz stringer (insipiently boxed). Total sulfides <1%.											
654.7	669		Qtz-Musc-Pyrite ± Garnet Schist; grey-beige white mica envelope lithology with											
			numerous disseminated and banded gold-yellow pyrite and associated weathering stain.											
			Unit thinly to weakly banded, fine to med xtlinity. S_2 foliation crenulated by post.											
			D_2 krinkle-like folds. Broken and blocky core 662.7-669'. Dull qtz vein 666'-668.5'											
			Approx 1.3' lost recovery over 662.7'-669'.											

12/26

COLLAR:
NORTH
EAST
ELEVATION
LOGGED BY M.R. Stammers
DATE LOGGED Faro, August 1975
MAP REFERENCE NO.

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD:		

Diamond Drill Record

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 1975-2
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
669	687		Carbonaceous Qtz-Musc ± Garnet Schist; as 654.7-669 but noticeably moderately											
	EOH		carbonaceous giving a medium-gray colour. Unit slightly less pyritic. Numerous buff qtz											
			veinlets and stringers (<3") More garnetiferous. Numerous Post D_2 crenulated folding											
			S_2 = 50° to c.a. @ 686'											

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 75-3

Project: ZONE 3 Relog

Location: _____

Claim: _____

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 9,214.5 N (Mine)

14,972.6

Elevation: 4,139.6

Total Depth: 688'

Fabric Orientation Diagram:

All symmetry determinations looking NW with S, dipping SW with dip azimuth 210.

Purpose: ZONE 3 Defn

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: CARON

Core:	Size	From	To	Collar Cased and Capped:
	BQ	0	EOH	

Started: _____ Completed: _____

DDH 75-3

Diamond Drill Core Log

Code	Drillhole	Elevation	Northing	Easting	Comments
1	2 8	10 16	17 24	25 32	34 48
T	75-3	4139.16	9214.5	14972.6	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	75-3	1900 0	1810.0	037.0	AT COLLAR
R	~~75-3~~	~~1688~~	~~1712.~~		AVG DIP
R	75-3	11010 0	1718.3	037.0	
R	75-3	12100 0	1717.1	037.0	
R	75-3	13190 0	1716.0	037.0	
R	75-3	14100 0	1714.9	037.0	
R	75-3	15190 0	1713.7	037.0	
R	75-3	16000 0	1712.6	037.0	
R	75-3	16880	1712.0	037.0	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10 47

DDH 75-3

Cyprus Anvil Mining Corp.

Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	1110	1110	11	11	OIB (This log taken from original log.)
L	1110	15124	12	31D10	
L	15124	16192	13	31B10	
L	16192	11112	14	31B10	More biotite
L	11112	20107	15	11D10	
L	111	111	1	11	
L	20107	21102	16	21E10	
L	21102	15129	17	11D10	
	111	111	1	11D10	
L	15129	15318 5	18	21D10	
L	153185	15412	19	21A10	
L	15412	15618	110	21D10	
L	15618	15713	111	11D14	
L	15713	161055	112	21D10	
L	161055	16111	113	21C10	
L	16111	16217	114	11D14	
L	16217	161758	115	21A10	
L	161758	161779	116	21C10	
L	161779	16818	117	11D14	
	111	111	1	11	EOH

DDH 75-3

Cyprus Anvil Mining Corp.

Structural Log

Logged By: DJH.

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		1510	P1S12			615 21/10	
S		1616	P1S12			610 21/10	
S		1/1012	P1S12			615 21/10	
S		1/1017	P1S12			515 21/10	
S		1/112	P1S12			615 21/10	
S		1/117	P1S12			610 21/10	
S		1/1212	P1S12			610 21/10	
S		1/1217	P1S12			615 21/10	
S		1/1312	P1S12			615 21/10	
S		1/1317	P1S12			715 21/10	
S		1/1412	P1S12			810 21/10	
S		1/1417	P1S12			715 21/10	
S		1/1512	P1S12			715 21/10	
S		1/1517	P1S12			715 21/10	
S		1/1617	P1S12			710 21/10	
S		1/1717	P1S12			710 21/10	
S		1/1817	P1S12			710 21/10	
S		1/1917	P1S12			810 21/10	
S		12017	P1S12			610 21/10	
S		12117	P1S12			615 21/10	
S		12217	P1S12			615 21/10	
S		12317	P1S12			710 21/10	
S		12417	P1S12			715 21/10	
S		12517	P1S12			615 21/10	
S		12617	P1S12			710 21/10	
S		12717	P1S12			710 21/10	
S		12817	P1S12			715 21/10	
S		12917	P1S12			810 21/10	
S		13017	P1S12			710 21/10	
S		13117	P1S12			710 21/10	
S		13217	P1S12			710 21/10	
S		13317	P1S12			618 21/10	
S		3417	P1S12			710 21/10	
S		13517	P1S12			715 21/10	
S		13617	P1S12			610 21/10	
S		3717	P1S12			610 21/10	

DDH 75-3

Cyprus Anvil Mining Corp.

Structural Log

Logged By: DJH

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		13817 0	P1S12			615 21/10	
S		13917 0	P1S12			615 21/10	
S		14017 0	P1S12			415 21/10	
S		14117 0	P1S12			410 21/10	Post D_2 fold?
S		14215 0	P1S12			315 21/10	
S		14317 0	P1S12			610 21/10	
S		14416 0	P1S12			510 21/10	
S		14517 0	P1S12			510 21/10	
S		14617 0	P1S12			714 21/10	
S		14717 0	P1S12			314 21/10	Post D_2 fold?
S		14817 0	P1S12			310 21/10	
S		14917 0	P1S12			415 21/10	
S		15017 0	P1S12			510 21/10	
S		15117 0	P1S12			410 21/10	
S		15217 0	P1S12			410 21/10	
S		15417 0	P1S12			615 21/10	
S		15517 0	P1S12			810 21/10	
S		15917 0	P1S12			710 21/10	
S		16017 0	P1S12			710 21/10	
S		16117 0	P1S12			610 21/10	
S		16217 0	P1S12			715 21/10	
S		16317 0	P1S12			618 21/10	
S		16415 0	P1S12			710 21/10	
S		16517 0	P1S12			710 21/10	
S		16617 0	P1S12			710 21/10	
S		16717 0	P1S12			715 21/10	
S		16817 0	P1S12			715 21/10	

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 75-4

Project: ZONE 3 Relog

Location: _____

Claim: _____

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 7,802.5 N (Mine)

15,601.2 E

Elevation: 7,018.4

Total Depth: 182'

Fabric Orientation Diagram:

All symmetry determinations looking NW with S_2 dipping SW with dip azimuth 210.

Purpose: ZONE 3 Drill

Logged by: _____ Date(s) Logged: JAN/78 (transcribed

Drilling Contractor: CARON

Core: Size	From	To
BQ	0	EOH

Collar Cased and Capped: ____

Started: _____ Completed: _____

DDH 75-4

Diamond Drill Core Log

Code	Drillhole	Elevation	Northing	Easting	Comments
1	2 8	10 16	17 24	25 32	34 48
T	75-4	A,10/81·4	17,80R1·51	15619/1·R1	

Code	Drillhole	Depth		Zenith Angle		True Azimuth		Comments
1	2 8	10	14	22	26	28	32	34 56
R	75-14	990	0	1810	0	937·10		ATCOLLAR
R	75-14	418210		1716	0	937·10		MIDDIPS
R								
R								
R								
R								
R								
R								
R								
R								
R								
R								
R								
R								
R								
R								

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10 47

2 8

Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	1 1 10	1 1 4 3	1 1	1 1	0/8
L	1 1 4 3	1 1 3 1 2	1 2	1 1 D 1 0	
L	1 1 1	1 1 1	1	1 1	
L	1 1 3 1 2	1 1 3 1 6 5	1 3	2 1 E 1 0	
L	1 1 3 1 6 5	1 1 8 1	1 4	1 1 D 1 0	
L	1 1 8 1	1 1 8 1 6	1 5	2 1 E 1 0	
L	1 1 8 1 6	1 2 1 1 0	1 6	1 E 1 0	
L	1 2 1 1 0	1 2 1 1 8	1 7	2 1 C 1 0	
L	1 2 1 1 8	1 2 3 1 7 5	1 8	2 1 H 1 0	
L	1 2 3 1 7 5	1 2 6 1 7	1 9	1 1 D 1 4	
	1 1 1	1 1 1	1	1 1	
	1 1 1	1 1 1	1	1 1	
	1 1 1	1 1 1	1	1 1	
	1 1 1	1 1 1	1	1 1	
	1 1 1	1 1 1	1	1 1	
L	1 2 1 6 7	1 2 1 6 8 5	1 1 0	2 1 E 1 0	
L	1 2 1 6 8 5	1 2 1 8 3	1 1 1	1 1 D 1 4	
	1 1 1	1 1 1	1	1 1	
	1 1 1	1 1 1	1	1 1 1	
	1 1 1	1 1 1	1	1 1	
L	1 2 1 8 1 3	1 3 1 0 1 4	1 1 2	2 1 E 1 0	
	1 1 1	1 1 1	1	1 1	
	1 1 1	1 1 1	1	1 1	
L	1 3 1 0 1 4	1 3 1 1 1 7	1 1 3	2 1 E 1 4	
L	1 3 1 1 1 7	1 3 1 3 1 0	1 1 4	2 1 E 1 0	
L	1 3 1 3 1 0	1 3 1 6 1 8 2	1 1 5	2 1 E 1 1	
L	1 3 1 6 1 8 2	1 3 1 8 1 6 8	1 1 6	2 1 E 1 0	
L	1 3 1 8 1 6 8	1 4 1 1 0 3	1 1 7	2 1 E 1 1	
L	1 4 1 1 0 3	1 4 1 1 1 4	1 1 8	2 1 F 1 0	
L	1 4 1 1 1 4	1 4 1 1 1 9 8	1 1 9	2 1 D 1 0	
L	1 4 1 1 1 9 8	1 4 1 2 1 3 7	2 1 0	2 1 F 1 0	
L	1 4 1 2 1 3 7	1 4 1 2 1 6 2	2 1 1	2 1 D 1 7	
L	1 4 1 2 1 6 2	1 4 1 3 1 3	2 1 2	1 1 D 1 4	
L	1 4 1 3 1 3	1 4 1 8 1 2	2 1 3	1 1 C 1 D	
	1 1 1	1 1 1	1	1 1	
	1 1 1	1 1 1	1	1 1	

DDH 75-4 (2 / 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: DJH

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		1414 0	P1S12			610 21/10	
S		1514 0	P1S12			615 21/10	
S		1714 0	P1S12			610 21/10	
S		1814 0	P1S12			515 21/10	
S		1914 0	P1S12			615 21/10	
S		1/1014 0	P1S12			610 21/10	
S		1/114 0	P1S12			715 21/10	
S		1/1214 0	P1S12			615 21/10	
S		1/1414 0	P1S12			610 21/10	
S		1/1614 0	P1S12			610 21/10	
S		1/1714 0	P1S12			610 21/10	
S		1/1914 0	P1S12			710 21/10	
S		1210 00	P1S12			615 21/10	
S		1210 50	P1S12			615 21/10	
S		1211 00	P1S12			615 21/10	
S		1215 50	P1S12			610 21/10	
S		1216 50	P1S12			610 21/10	
S		1218 00	P1S12			715 21/10	
S		1413 50	P1S12			715 21/10	
S		1414 50	P1S12			710 21/10	
S		1415 50	P1S12			610 21/10	
S		1416 50	P1S12			310 21/10	Post D_2 fold.
S		1417 50	P1S12			610 21/10	
		EOH					

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 75-5

Fabric Orientation Diagram:

Project: Zone 3 Relog.

Location: Pit

Claim: _____

Terr. Plane Co-ords.: _____ N

_____ E

Mine Grid Co-ords.: 9495.10 N

14,907.13 E

Mine Elevation: 4,109.7

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 210.

Total Depth: 651 feet

Purpose: Zone 3 Definition.

Logged by: DTH Date(s) Logged: _____

Drilling Contractor: CARON

Core:

Size	From	To
BQ	0	651

Collar Cased and Capped: No.

Started: _____ Completed: _____

DDH 1751-151

Diamond Drill Core Log

Code	Drillhole	Elevation	Northing	Easting	Comments
1	2 8	10 16	17 24	25 32	34 48
T	1751-151	141/1091.17	9149151.1/10	/1491017/1.1/13	

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
1	2 8	10	14	22	26	28 32	34 56
R	1751-151	1990	0	/1801.0		037.0	AT COLLAR
R	1751-151	12010	0	/1771.0		037.0	AC1/1D1 D1/1P1S1
R	1751-151	14010	0	/1771.0		037.0	
R	1751-151	16010	0	/1771.0		037.0	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10 47

DDH 75-5 (2 … 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description
1	10 … 14	16 … 20	22 23	25 … 27	
L	1 1 10	1 1 2 10	1 1	1 1 #	O/B
L	1 1 2 10	1 1 7 15 7	1 2	1 1 D 1 0	
L	1 1 7 15 7	1 2 9 15	1 3	1 1 D 1 0	
L	1 2 9 15	1 3 10 17 1	1 4	2 1 D 1 0	
L	1 3 10 17 1	1 3 12 17 2	1 5	1 1 D 1 4	
L	1 3 12 17 2	1 3 13 13 5	1 6	2 1 D 1 0	
L	1 3 13 13 5	1 3 9 11 7	1 7	1 1 D 1 4	
L	1 3 9 11 7	1 3 9 19 1	1 8	2 1 C 1 0	
L	1 3 9 19 1	1 4 10 11 7	1 9	2 1 A 1 0	
L	1 4 10 11 7	1 4 11 11 5	1 10	2 1 C 1 0	
L	1 4 11 11 5	1 4 12 11	1 11	2 1 A 1 3	
L	1 4 12 11	1 4 3 19 8	1 12	2 1 E 1 0	
L	1 4 3 19 8	1 4 4 17	1 13	2 1 C 1 0	
L	1 4 4 17	1 4 5 10	1 14	1 1 D 1 4	
L	1 4 5 10	1 4 5 11 6	1 15	2 1 C 1 0	
L	1 4 5 11 6	1 4 5 19	1 16	0 1 F 1 9	
L	1 4 5 19	1 5 8 17 6	1 17	2 1 A 1 0	
L	1 5 8 17	1 5 8 19	1 18	2 1 E 1 0	
L	1 5 8 19	1 5 9 16 2	1 19	2 1 D 1 0	
L	1 5 9 16 2	1 5 9 19	2 10	2 1 A 1 0	
L	1 5 9 19	1 6 10 17 1	2 11	2 1 F 1 0	
L	1 6 10 17 1	1 6 11 17	2 12	2 1 D 1 0	
L	1 6 11 17	1 6 4 10	2 13	1 1 D 1 4	
L	1 6 4 10	1 6 5 11	2 14	1 1 C 1 D	
					EOH

DDH 75-5 (2 / 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: DJH.

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		1 1210 0	P1S12		1	615 21/10	
S		1 1310 0	P1S12		1	415 21/10	
S		1 1410 0	P1S12		1	610 21/10	
S		1 1510 0	P1S12		1	710 21/10	
S		1/1010 0	P1S12		1	612 21/10	
S		1/1110 0	P1S12		1	515 21/10	
S		1/1210 0	P1S12		1	612 21/10	
S		1/1310 0	P1S12		1	715 21/10	
S		1/1410 0	P1S12		1	610 21/10	
S		1/1510 0	P1S12		1	615 21/10	
S		1/1610 0	P1S12		1	615 21/10	
S		1/1710 0	P1S12		1	710 21/10	
S		1/1810 0	P1S12		1	810 21/10	
S		1/1910 0	P1S12		1	710 21/10	
S		1210 0	P1S12		1	610 21/10	
S		1/1010 0	P1S12		1	615 21/10	
S		1220 0	P1S12		1	610 21/10	
S		1230 0	P1S12		1	710 21/10	
S		1240 0	P1S12		1	710 21/10	
S		1250 0	P1S12		1	610 21/10	
S		1260 0	P1S12		1	415 21/10	
S		1270 0	P1S12		1	610 21/10	
S		1280 0	P1S12		1	610 21/10	
S		1290 0	P1S12		1	510 21/10	
S		1310 0	P1S12		1	415 21/10	
S		1320 0	P1S12		1	410 21/10	
S		1340 0	P1S12		1	610 21/10	
S		1350 0	P1S12		1	510 21/10	
S		1360 0	P1S12		1	710 21/10	
S		1370 0	P1S12		1	615 21/10	
S		1380 0	P1S12		1	510 21/10	
S		1450 0	P1S12		1	718 21/10	
S		1460 0	P1S12		1	515 21/10	
S		1470 0	P1S12		1	810 21/10	
S		1480 0	P1S12		1	710 21/10	
S		1490 0	P1S12		1	810 21/10	

DDH 75-5

Cyprus Anvil Mining Corp.

Structural Log

Logged By: DJH

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		151010 0	P1512			810 21/10	
S		151/10 0	P1512			810 21/10	
S		151212 0	P1512			712 21/10	
S		151410 0	P1512			715 21/10	
S		151510 0	P1512			715 21/10	
S		151610 0	P1512			710 21/10	
S		151710 0	P1512			715 21/10	
S		151717 0	P1512			810 21/10	
S		151817 0	P1512			715 21/10	
S		151917 0	P1512			810 21/10	
S		161217 0	P1512			515 21/10	
S		161317 0	P1512			510 21/10	
S		161417 0	P1512			415 21/10	
		1E1014					

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

PAGE ___ OF ___

HOLE NO. 75-6
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
0	4		Overburden											
4	82.25		Porphyritic hb-bio diorite; med. gray green, coarsely porphyritic (hb+bio); massive, fresh diorite w/ plag. rich matrix; non-magnetic no contact measurement possible due to rubbly core @ 82.25; less finely-xl'line porphyritic, chilled margin 76-82.25											
82.25	118.5		Calc-silicate phyllite; thinly banded, non-calc- to v. weakly calcareous mafic basal portion of map unit; interbanded chlor. phyllites and bio. phyllites; gouge zone approx 70° to c.a. 113-116'; S_1=65° to c.a. @ 109'											
118.5	122		Gouge zone in calc-silicate phyllite; approx 1.5' recovery over interval; gouge @ 50° to c.a. @ 118.5'											
122	122.25		Porphyritic diorite; gray brown, med. porphyritic (plag. only) diorite; thus is chill phase of hb-bio. diorite w/ only plag on selides											
122.25	122.75		Bio-musc-andalusite schist; med. brown gray, coarsely porphyroblastic; thinly banded, bio > musc schist											
122.75	132		Graphitic bio-musc-andalusite schist; dk. gray to black, thinly banded variably graphitic, 2 mica-and. schist; entire rubbly w/ approx 3 ft. recovered											
132	148		Porphyritic hb-bio diorite; less coarsely xl'line and porphyritic than 4-82.25; this prob. due to more rapid cooling of dike; less and more finely xl'line phenocrysts; contact angles impossible to measure											

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

PAGE ____ OF ____

HOLE NO.
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
			as core broken & rubbly both ends of interval					
148	247		Bio-musc-and alusite schist; med. gray beige, thinly banded, coarsely porphyroblastic, variably carbonaceous bio > musc pelitic schist; unit equivalent to 549-1333' in 456-75-12; interval becomes increasingly carbonaceous to 247; S_2 = 65° to c.a. @ 152'; S_2 = 55° to c.a @ 201' S_2 = 50° to c.a @ 246'; Z folds (F_3) @ 218'; S_2 = 70° to c.a @ 215 where S_4 = 30° to c.a. and is axial planar to F_4 folds overturned to NE					
247	248.5		Musc bio-and alusite schist; beige, thinly banded, non-graphitic musc >> bio pelitic schist; c.f. white mica envelope but may be altered by adjacent diorite; ½" py band @ 248.5 where contact w/ diorite = 40° to c.a.					
248.5	282		Variably kaolinitized biotite granodiorite; off-white to light gray, non-porphyritic, finely xl'line bio. granodiorite w/ partially kaolinitized(?) margins w/ euhedral qtz phenos; unit appears to be more leuco-cratic than bulk of diorite clan, possibly thin part of composite intrusion					
282	326		Porphyritic hb-bio diorite; as 4-82.25, 132-148; unit is sharp contact w/ above granodiorite; contact = 30° to c.a. @ 282'					
326	331		Highly altered (kaolinitized) hb-bio diorite; beige, crpassionally punky diorite w/ relict hb & bio. phenos.; minor PbS+ZnS (stopped sulfides) may be cause of alteration					

Diamond Drill Record

PAGE _____ OF _____

COLLAR:
NORTH _____
EAST _____
ELEVATION _____
LOGGED BY _____
DATE LOGGED _____
MAP REFERENCE NO. _____

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD:		

COMPANY NAME _____
PROPERTY NAME _____
DRILLING CONTRACTOR _____
ASSAYER _____
PURPOSE OF HOLE _____

HOLE NO. _____
CLAIM NAME _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
331	364		Porphyritic hb-bio-diorite; as 4-82.25, 132-148, 326-331'; fault @ 20° to c.a. @ 331' defines contact between this & previous interval; faulting appears to be post alteration											
364	400		Highly altered (kaolinitized?) sulfide bearing diorite; beige to lt. tan, massive, highly altered diorite w/ brownish black PbS+ZnS blebs and stringers (≤1%) and relict hb+bio phenocrysts; alteration most likely related to sulfurization reactions between dioritic melt and massive sulfide xenoliths; gradational contacts into normal, unaltered hb-bio diorite @ about 364' and 400'.											
400	409		Porphyritic hb-bio diorite; as previous intervals											
409	436		Zone of interbanded altered and fresh hb-bio diorite; alteration showing relict hb-bio phenocrysts seems to be associated w/ minor py (<1%); py may be from mass. sulf. xenoliths; numerous examples of gradation between altered (kaolinitized?) and fresh diorite over 3-12" zones; gradational into bounding fresh diorite											
436	542		Porphyritic hb-bio diorite; as previous intervals of fresh diorite; 4" xenolith of pyritic qtz-musc schist @ 479.5'											
542	606.5		Interbanded altered and fresh hb-bio diorite; as 409-436; again relict primary igneous phases (hb+bio) in beige-tan kaolinitized sulfide bearing (≈1%) diorite showing excellent gradation between fresh sulfide free diorite and altered sulfide bearing diorite											

Diamond Drill Record

PAGE _____ OF _____

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME _____
PROPERTY NAME _____
DRILLING CONTRACTOR _____
ASSAYER _____
PURPOSE OF HOLE _____

HOLE NO. _____
CLAIM NAME _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
606.5	610.5		Bio-musc-gar. schist; med. gray, thinly banded, completely D_2 transposed bio ≈ musc, gar schist; S_2 = 80° to c.a. @ 609'; note irregular, post-D_2 intrusive diorite contacts @ top & bottom this interval											
610.5	615		Altered hb-bio. diorite; tan, massive, weakly porphyritic, finely xlline, sulfide-bearing (py < 1%) diorite; contacts roughly @ 70° to c.a. @ 610.5 and 615 but irregular											
615	639.5		Siliceous musc-bio-gar. schist; lt. gray, very siliceous, incompletely D_2 transposed musc ≈ bio schist; unit appears as schists adjacent to glyte envelope around deposit except not true white mica envelope; minor py (< 1%) throughout interval; ≈ F_2 @ 627' where S_2 = 50° to c.a.											
639.5	644		Porphyritic hb-bio granodiorite; pinkish beige, weakly porphyritic, finely xlline, py (< 1%) bearing granodiorite(?) not similar to normal diorite; hb partially rounded & resorbed as alteration (sulfurization?) develops (kaolinitization??); contact irreg @ 60° to c.a. @ 639.5; contact sharp ± 20° to c.a @ 644											
644	646		Siliceous musc-bio schist; as 615-639.5											
646	653.5		Porphyritic hb-bio granodiorite; as 639.5-644; contact 50° to c.a. @ 646; contact ≈ 90° to c.a @ 653.5											
653.5	701		Musc-bio ± gar ± staur schist; as 615-639.5, 644-646; S_2 = 70° to c.a. @ 688											

Diamond Drill Record

PAGE _____ OF _____

COLLAR:
NORTH _____
EAST _____
ELEVATION _____
LOGGED BY _____
DATE LOGGED _____
MAP REFERENCE NO. _____

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD:		

COMPANY NAME _____
PROPERTY NAME _____
DRILLING CONTRACTOR _____
ASSAYER _____
PURPOSE OF HOLE _____

HOLE NO. _____
CLAIM NAME _____
COMMENCED _____
FINISHED _____
PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
			S, // to c.a. 697-701 ; tapering due to F. hinge zone											
701	709		Gouge zone ; sand, mud encountered											
	EOH													

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 75-6

Project: Zone 3 Relog

Location: Sections 23/118

Claim: _____

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 9,285.3 N (Mine)

14,516.6 E

Elevation: 4,042.6 (mine)

Fabric Orientation Diagram:

All symmetry determinations looking NW with S_2 dipping SW with dip azimuth 210°.

Total Depth: 709'

Purpose: _____

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: Caron

Core:	Size	From	To
	BQ	0	EOH

Collar Cased and Capped: ____

Started: May 30/75 Completed: June 6/75

Cyprus Anvil Mining Corp.

DDH 75-6

Diamond Drill Core Log

4

	Drillhole	Elevation	Northing	Easting	Comments
	2 8	10 16	17 24	25 32	34 48
T	1751-16	A,10A12r 16	9121815.131	1145116l.161	

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
	2 8	10	14	22	26	28 32	34 56
R	1751-16	1901	0	1318.	0	31 18.0	AT COLLAR LENGTH
R	1751-16	3151	0	1416.	0	31 18.0	AGAIN PIPE PULL
R	1751-16	1710	0	1441.	0	31 18.0	
R				.		.	NO ASSAYS - DYKE
R				.		.	
R				.		.	
R				.		.	
R				.		.	
				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
	2 8	10 47

DDH 75-6

Cyprus Anvil Mining Corp.

Lithologic Log

Logged By: _____

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	1 1 10	1 1 14	11		O/B
L	1 1 14	1 1 8 1 2 2	12	0 E 1 0	
L	1 1 8 1 2 2	1 1 2 1 2 2	13	3 D 1 0	
L	1 1 2 1 2 2	1 1 3 1 2	14	1 D 1 0	
L	1 1 3 1 2	1 1 4 1 8	15	0 E 1 0	
L	1 1 4 1 8	1 2 1 4 1 8 5	16	1 D 1 0	
L	1 2 1 4 1 8 5	1 2 1 8 1 2	17	0 A 1 0	
L	1 2 1 8 1 2	1 6 1 0 1 6 5	18	0 E 1 0	
L	1 6 1 0 1 6 5	1 6 1 1 1 0 5	19	1 C 1 D	
L	1 6 1 1 1 0 5	1 6 1 1 1 5	110	0 E 1 0	
L	1 6 1 1 1 5	1 6 1 3 1 9 5	111	1 C 1 D	
L	1 6 1 3 1 9 5	1 6 1 4 1 4	112	0 E 1 0	
L	1 6 1 4 1 4	1 6 1 4 1 6	113	1 C 1 D	
L	1 6 1 4 1 6	1 6 1 5 1 3 5	114	0 E 1 0	
L	1 6 1 5 1 3 5	1 7 1 0 1 1	1 5	1 C 1 D	
					EOH

DDH 75-6

Cyprus Anvil Mining Corp.

Structural Log

Logged By: DHH

Code	From	To	Feature	Syn	S_1 Dip Direct.	S_2 Dip Direct.	Description
	10 14	16 20	22 24	26	28 32	34 38	
S		1101 0	PSZ			53 210	
S		1230	PSZ			69 210	
S		1520	PSZ			53 210	
S		1720	PSZ			60 210	
S		1925	PSZ			50 210	
S		2120	PSZ			59 210	
S		2130	PSZ			38 210	
S		2160	PSZ			42 210	
							INT
S		6055	PSZ			50 210	
S		6260	PSZ			60 210	
S		6600	PSZ			34 210	
S		6830	PSZ			55 210	
S		7010	PSZ			57 210	

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 75-9

Project: Zone 3 Relog.

Location: Pit

Claim:

Terr. Plane Co-ords.: N

E

mine Grid Co-ords.: 9,365.07 N

14,773.74 E

mine Elevation: 4063.7

Total Depth: 723 feet

Fabric Orientation Diagram:

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 210.

Purpose: Zone 3 Definition

Logged by: DJH Date(s) Logged: Aug. 1975

Drilling Contractor: CARON

Core:

Size	From	To
BQ	0	723

Collar Cased and Capped: No

Started: June 22 Completed: July 6

DDH 75-9

Diamond Drill Core Log

Code	Drillhole	Elevation	Northing	Easting	Comments
1	2 8	10 16	17 24	25 32	34 48
T	75-9	1410631.7	1931615.1017	1417731.1714	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	75-9	00	1810.0	0137.10	ATCOLLAR
R	75-9	3500	1791.0	0317.10	AC/DI DI/PI TESTS
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10 47

DDH 75-9

Cyprus Anvil Mining Corp.

Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	1 1 10	1 1316	11	31D10	
L	1 1316	1 1319 3	12	01E10	
L	1 1319 3	1 1913 3	13	11D18	
L	1 1913 3	1 1917 4	14	11D18	
L	1 1917 4	1 1919 3	15	11D18	
L	1 1919 3	1 1111	16	11D18	
L	1 1111	13 12 12	17	1 1D10	
L	13 12 12	13 12 17	18	11D14	
L	13 12 17	13 12 18 5	19	21E10	
L	13 12 18 5	13 13 15 7	110	21G10	
L	13 13 15 7	13 14 1 2	111	21E10	
L	13 14 1 2	13 14 17 2	112	21G10	
L	13 14 17 2	13 14 19 5	113	21E10	
L	13 14 19 5	13 15 11 8	114	21G10	
L	13 15 11 8	13 15 13 7	115	21E10	
L	13 15 13 7	13 15 16 3	116	21H16	
L	13 15 16 3	13 16 1 3	117	21D10	
L	13 16 1 3	13 16 18 1	118	11D14	
L	13 16 18 1	13 17 12	119	21C10	
L	13 17 12	13 17 13 2	210	21A10	
L	13 17 13 2	13 17 16 1	211	21D10	
L	13 17 16 1	13 17 17 5	212	21F10	
L	13 17 17	13 18 12 3	213	21E11	
L	13 18 12 3	13 18 13 3	214	21F10	
L	13 18 13 3	13 18 14 1	215	21E11	
L	13 18 14 1	13 18 14 6	216	21F10	
L	13 18 14 6	13 18 16 2	217	21E11	
L	13 18 16 2	13 18 17 4	218	21B10	
L	13 18 17 4	13 19 12 4	219	21E10	
L	13 19 12 4	13 19 15 2	310	21B10	
L	13 19 15 2	14 01 5 1	311	21E11	
L	14 01 5 1	14 01 5 6	312	21E18	
L	14 01 5 6	14 01 8 2	313	21E11	
L	14 01 8 2	14 11 3 1	314	21E18	
L	14 11 3 1	14 11 4	315	21F10	
L	14 11 4	14 11 5 3	316	2E18	

DDH 75-9

Cyprus Anvil Mining Corp.

Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	141153	141198	317	2E10	
L	141198	141225	318	2E18	
L	141225	141235	319	1D14	
L	141235	141255	410	2E18	
L	141255	141267	411	2F10	
L	141267	141274	412	2E18	
L	141274	141323	413	2E10	
L	141323	141411	414	2E11	
L	141411	141519	415	2D10	
L	141519	141615	416	2E11	
L	141615	141679	417	2F10	
L	141679	141796	418	2B10	Fault Breccia
L	141796	151339	419	2E18	
L	151339	151365	510	2F10	
L	151365	151377	511	2E11	
L	151377	151381	512	2F10	
L	151381	151513	513	2E10	
L	151513	151589	514	2C10	
L	151589	151713	515	2A10	
L	151713	151715	516	2C10	
L	151715	151804	517	2A10	
L	151804	151853	518	2C10	
L	151853	161119	519	2A10	
L	161119	161264	610	2C10	
L	161264	161369	611	2A10	
L	161369	161644	612	2C10	
L	161644	161717	613	1D10	
L	161717	161806	614	2A10	
L	161806	161831	615	2C10	
L	161831	161851	616	2A10	
L	161851	171015	617	2C10	
L	171015	171064	618	2A10	
L	171064	171213	619	1C10	

DDH 75-9 (2 / 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: DJH.

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		1 1/10 0	PS12			810 21/10	
S		1 12 0	PS12			715 21/10	
S		1 310 0	PS12			615 21/10	
S		1 510 0	PS12			715 21/10	
S		1 710 0	PS12			515 21/10	
S		1 810 0	PS12			615 21/10	
S		1 910 0	PS12			610 21/10	
S		1/1010 0	PS12			515 21/10	
S		1/1018 0	PS12			610 21/10	
S		1/1210 0	PS12			615 21/10	
S		1/1310 0	PS12			610 21/10	
S		1/1410 0	PS12			510 21/10	
S		1/1510 0	PS12			515 21/10	
S		1/1610 0	PS12			610 21/10	
S		1/1710 0	PS12			510 21/10	
S		1/1810 0	PS12			515 21/10	
S		1/1910 0	PS12			410 21/10	
S		12010 0	PS12			510 21/10	
S		12019 0	PS12			610 21/10	
S		12210 0	PS12			610 21/10	
S		12310 0	PS12			710 21/10	
S		12410 0	PS12			415 21/10	
S		12510 0	PS12			610 21/10	
S		12610 0	PS12			610 21/10	
S		12710 0	PS12			710 21/10	
S		12810 0	PS12			615 21/10	
S		12910 0	PS12			515 21/10	
S		13010 0	PS12			610 21/10	
S		1310 0	PS12			610 21/10	
S		13210 0	PS12			610 21/10	
S		1312 0	PS12			618 21/10	
S		13612 0	PS12			617 21/10	
S		13817 0	PS12			815 21/10	
S		4014 0	PS12			615 21/10	
S		4510 0	PS12			610 21/10	
S		5514 0	PS12			718 21/10	

DDH 75-9 (2 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: DJH

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		57140	PS12			81/21/0	
S		57940	F19	3			
S		57950	PS12			36/21/0	
S		60120	PS12			38/21/0	
S		61190	PS12			42/21/0	
S		61210	F14	E			
S		61220	PS12			60/21/0	
S		61420	PS12			66/21/0	
S		61620	PS12			60/21/0	
S		61830	PS12			65/21/0	
S		71030	PS12			83/21/0	
S		71220	PS12			69/21/0	
		EOH					

Diamond Drill Record

SECTION 121

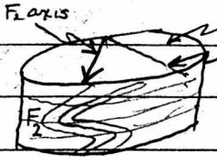
COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

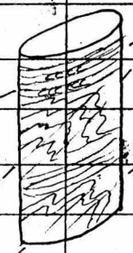
COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

PAGE ____ OF ____

HOLE NO. 75-10
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS					
0	11		Overburden									10-14	2.25
11	43		Calc-silicate phyllite; interbanded med. dk. blue green clinoamph + ep. and brown bio. phyll bands; interval blocky and weathered; approx 60% clinoamph / 40% bio phyll bands									14-20	2.3
												20-24	3.0
43	51		Calc-silicate phyllite; as 11-43 w/ approx 70% bio. phyll. bands 30% clinoamph-ep bands; S_2 = 80° to c.a. @ 50'										
51	64.5		Metabasite; dk green, weakly banded, clinoamph-ep-plag. assemblage as in preceding intervals w/ < 5% bio phyll. interbands; this interval would be mapped as metabasite or amphibolite w/in calc-silicate map unit; unit moderately calcareous										
64.5	74		Calc-silicate phyllite; med-dk. purplish brown, thinly banded, moderately calcareous interval of bio. phyll w/ < 10% clinoamphibole bearing bands; S_2 = 80° to c.a. @ 68' where F_2 is 30° to line of S_2 strike										
74	85		Metabasite w/in calc-silicate phyllite; as 51-64.5'										
85	95		Graphitic bio-musc ± andalusite schist; dk. gray-black, thinly banded, variably graphitic, bio >> musc schist w/ py+po < 1% thru interval; F_2 and F_4 folds approx coaxial @ 92' w/ S_4 @ 50° to c.a. where S_2 = 70° to c.a.; F_2 is ≈ 30° to line of S_2 strike @ 92'; symmetry S_4										





Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO.
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
			of F_4 folds ⇒ overturned antiformal hinge toward batholith from collar of hole					
95	98		Carbonaceous marble; finely xlline, black to gray green, variably carbonaceous marble					
98	105		Graphitic bio-musc ± andalusite schist; as 85-95; S_2 = 80° to c.a. @ 101'					
105	107		Carbonaceous marble; as 95-98; note these marble bands probably beginning of $CO_3^=$ sedimentation and deposition of overlying calcareous calc-silicate to phyllite unit.					
107	115		Graphitic bio-musc ± andalusite schist; as 85-95, 98-105;					
115	117		Calcareous chlor-clinozoisite schist; lt. greenish beige, weakly banded moderately to highly calcareous chlorite-tremolite (?)-calcite schist to silicated marble					
117	129		Graphitic bio-musc ± andalusite schist; c.f. 85-95, 98-105, 107-115 w/ decreasing graphite / increasing bio towards bottom of interval					
129	151		Carbonaceous bio-musc-andalusite schist; med. gray brown, thinly to laminarly banded, bio > musc pelitic schist; D_3 transposition of D_1 fabric incomplete; good example of nearly coaxial F_3 & F_4 folding @ 130' where S_2 = 70° to c.a. and S_4 = 45° to c.a. c.f. example @ 92', F_4 overturned to NE ⇒ antiformal hinge (F_4) between hole & batholith; S_2 = 50° to c.a. @ 150'					
151	185		Smoky quartz feldspar porphyry; o/a white to beige, med. xlline					

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

Diamond Drill Record

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO.
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
			porphyritic (qtz-plag) porphyry w/ diagnostic sub-euhedral smokey quartz phenocrysts; same unit as exposed in break-through channel from E of zone #3; foliated xenoliths ⇒ post-D_2 age; gouge 151-153', 182-185';									481-486	5'	
												486-490	3'2"	
												490-495	5'	
185	275		Muscovite-biotite-andalusite schist; mod brownish gray, musc > bio pelitic schist w/ coarse dk. blue gray andalusite porphs.; this interval similar to 535'-1528' in 486-75-12 i.e. typical aluminous Faro pelitic schist that is host to deposit; D_2 transposition of D_1 fabric variable & incomplete; S_2 = 70° to c.a. @ 200'; S_2 = 75° to c.a.									495-500	4'6"	
												500-505	5'	
												505-510	5'	
												510-515	5'	
						•						515-521	5'6"	
			@ 249'; 1' post D_2 gouge 250-251'; S_2 = 60° to c.a. @ 274'; note interval				•					521-526.5	5'6"	
			becomes more muscovite rich as smokey qtz feldspar porphyry is approached									526.5-532	5'3"	
			270-275'; entire interval white mica envelope lithology									532-537	5'	
275	481		Smokey quartz feldspar porphyry; as 151-185; many zones of blocky core; no prominent fault/gouge zones this interval; interval variably foliated									537-542	5'	
												542-547	5'	
												547-552	5'	
✓ 481	484		Heavily gouged and brecciated contact zone of smokey quartz feldspar porphyry and musc schists of white mica envelope; interval mainly irreg. X cutting porphyry dikes w/ irreg. oriented graphitic & musc. schist fragments									552-557	5'	
												557-562	5'	
												562-565	3'	
												565-570	5'	
✓ 481	485		Heavily gouged and brecciated contact zone of above porphyry w/ randomly oriented graphitic & musc schist and massive sulfide fragments									570-575	5'	
												575-580.5	5'3"	
												580.5-586	5'3"	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

PAGE ____ OF ____

HOLE NO.
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS					
485	508.25		Sulfide-bearing graphitic quartzite; med. gray, pyritic quartzite w/ minor ZnS/PbS; weak S_2 banding @ 65° to c.a. @ 487'; ≈ 20%-30% py disseminated over interval w/ ≤ 5% combined ZnS+PbS; 4" gouge 75° to c.a. 504-504.3'; 12" gouge 75° to ca. 504.75-505.75'; graphite developed along S_2 "gleitbrett" giving striped or banded appearance to core; no po; rock margin									
508.25	509.75		Gouge zone in musc-gtz schist and graphitic sulfide bearing quartzite; randomly oriented schist > gtzite fragments; gouge @ beginning and end of interval ≈ 60° to c.a., gouge @ 509.25 ≈ 45° to c.a.										
509.75	591.5		Sulfide bearing graphitic quartzite; as 485-508.25; gouge zone @ 526-534'; numerous F_2 fold hinges; S_2 = 80° to c.a @ 526.5 where L_2=F_2 is 10° to line of S_2 strike w/ SE plunge; in general D_2 transposition of D_1 fabric is nearly complete over this interval (of this hinge zone of megascopic F_2 fold would expect less D_2 transposition); 3" gouge zone 543-543.25; 2.5' gouge and brecia zone 544-546.5', gouge @ 5°-10° to c.a. over interval; S_2 = 70° to c.a @ 549' S_2 = 60° to c.a. @ 584'; sulfide zone non-magnetic										
591.5	593		Non-graphitic sulfide bearing quartzite; med. gray, pyritic gtzite w/ 50-60% pyrite and 1" massive PbS/ZnS band @ 593'; non-magnetic										
593	613.5		Sulfide bearing graphitic quartzite; as 485-508.25, 509.75-591.5; S_2 = 85° to c.a. @ 597'; entire sulfide interval probably BaSO4										

586-591	5'	
591-596	5'	
596-601	5'	
601-606	5'	
606-607	8"	
607-610	3'	
610-617	7'	
617-621	4'	
621-627	5'6"	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
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NORTH			
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COMPANY NAME _____
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HOLE NO. _____
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PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
			bearing; interval more pyritic, less graphitic 609-613.5; no po-rich zone at base of sulfide intercept; S_2 = 75° to c.a @ 605'									627-631	4'	
												631-641.5	10.5'	
613.5	616.5		Gouge and breccia zone in qtz-musc schist; off-white to beige qtz musc schist of white mica envelope showing post-D_2 brecciation and gouge development @ 50° to c.a.											
616.5	624.5		Quartz-muscovite schist; off-white to beige schist of white mica envelope; 3" bxia zone 617-617.25; S_2 = 80° to c.a @ 623'; occasional blebs and dissemination's of py + ZnS thru interval											
624.5	627		Sulfide bearing quartzite; med. gray, weakly foliated pyritic quartzite w/ ≈ 20% disseminated and weakly banded py and 1-5% PbS+ZnS over interval; best concentration of PbS & ZnS 624.5-625.5 which may run ≈ 10% comb. Pb+Zn; 6" F_2 lunges 626, 628.5											
627	629.75		Qtz-musc. schist; as 616.5-624.5 w/ py blebs and foliaform buff qtz pods; one example of boudinaged qtzite band @ 628.5											
629.75	632		Sulfide-bearing quartzite; as 624.5-627 w/ ≈ 20% dis. py.; non-pyritic qtzite 631.5-632; best Pb+Zn concentration (1-3%) 631.5-632											
632	635		Polymictic breccia and gouge zone in qtz-musc. schist; as 613.5-616.5; randomly oriented fuloan qtz-musc schist; quartzite; graphitic qtzite fragments in post-D_2 bxia and gouge; entire zone about 70° to core axis											
635	635.5		Qtz-musc. schist; as 616.5-624.5											

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
635.5	636		Sulfide bearing non-pyritic quartzite; med. gray, thinly bandedl non-pyritic gtzite w/ <5% Pb S/Zn S; S_2 = 70° to ca. @ 635.75'											
636	636.5		Pyritic quartzite; as 629.75-632 except no appreciable Zn S + Pb S											
636.5	637.25		Sulfide bearing non-pyritic quartzite; as 635.5-636 except 5-7% combined Pb+Zn											
637.25	647.5		Quartz-muscovite schist; as 616.5-624.5, 627-629.75; 3" polymictic brxia @ 639.5; F_2 hinge in band of non-pyritic, nearly massive (50%) sulfides 644-644.25; incomplete D_2 transposition of D_1 fabric; S_2 = 75° to ca. @ 647'											
647.5	648		Sulfide bearing, non-pyritic quartzite; as 635.5-636 and 636.5-637.25											
648	655		Musc-gar.± and. schist as 616.5-624.5, 627-629.25, 637.25-647.5; typical off-white, white mica envelope.; S_2 = 80° to ca. @ 653' where $F_2 = L_2$ ⊻ // to line of S_2 strike											
655	656		Sulfide bearing, non-pyritic quartzite; as 635.5-636; 636.5-637.25 w/ about 3-5% Pb+Zn combined											
656	657.5		Qtz-musc schist; as 616.5-624.5, 627-629.75, 637.25-647.5											
657.5	658.75		Sulfide bearing, non-pyritic qtz-musc schist; off-white typical white mica envelope schists w/ 1-2% Pb S + Zn S (should assay ≈ 1-1.5% comb. Pb+Zn; incomplete D_2 transposition of D_1 fabric											
658.75	661		Qtz-musc-gar ± andalusite schist; as 648-655; aluminous white mica envelope											

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
709	710		Polymictic, post-D_2 breccia in mylonite zone; as 661-673.5, 683-684, 703-705; slickensided surfaces bounding zone @ 60° to c.a. w/ probable SW dip sub II to S_2											
710	714.25		Qtz-musc-bio schist; as 705-709; D_2 transposition of D_1 fabric complete; S_2 = 60° to ca @ 711											
714.25	715.25		Sulfide bearing pyritic quartzite; med. gray, thinly banded, ZnS rich, weakly pyritic, weakly magnetic (patchy po) quartzite w/ 30-40% reddish brown finely xlline ZnS; generally sharp contacts to interval @ ≈ 60° to c.a.; musc PbS; rarely xlline py in cross fractures											
715.25	720		Quartz-muscovite schist; as 784-703; sub-foliaform anhedral py patches and white bull qtz veins in typical white mica envelope lithology											
720	733		Musc-bio schist; typical white mica envelope lithology w/ increasing bio, as blebs and thinly banded musc > bio schist; interval blocky w/ 50-60% recovery											
733	760		Quartzo-feldspathic bio-musc-gar. schist; med. brownish beige, sub-aluminous, thinly banded bio ≈ musc. schist; interval c.f. 1528-2302 in 456-75-12; D_2 transposition of D_1 fabric incomplete w/ pervasive F_2 bunges; several examples of pre-D_1 bio schist frags, in this interval perhaps suggesting labaric (?) slumps											

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
			of pre-D_2 lithologies into local basin prior to sulfide accumulation by sulfide fluvial transport down paleoslope from vent center ??? (sounds good anyway!); S_2 = 60° to c.a. @ 739 where F_2 = 50° to line of S_2 strike and plunges SE; 1" breccia & gouge zone @ 736' @ 70° to c.a.										
760	789		Polymictic, post-D_2 breccia in mylonite zone; angular to subrounded fragments of bio > musc. schist, musc > bio schist, bio. granodiorite (all qtz veins in wall indurated), very fine grained musc. schist gouge (?); matrix of breccia appears to be v.f.g., non-calcareous lithified musc. schist gouge; brecciation probably post-emplacement (or syn-emplacement) of Ami's Batholith as granodiorite frags. c.f. xbs. of batholith incorporated in breccia; this zone identical to those @ 613-616.5, 632-635, 661-673.5, 683-684, 703-705, 709-710; conservation of gouge-like matrix and angular fragments is puzzling in that two seem incompatible possibly ⇒ production of gouge on series of fault surfaces during initial movement and production of ∆ frags. from fault bounded blocks during later movement; gouge zone @ 789' @ 40° to c.a.; rubbly core & gouge only @ 789, no ∆ possible										
789	806.5		qtz-musc-bio. schist; off white to beige, qtz-musc. schist w/ dk. brown brittle biotite flakes/clots; typical lithology seen on E wall of pit; bio. patches represent select, ruptured ∆, bearing three variable D_2 transposition of orig. thinly banded bio. & musc. schists										

Diamond Drill Record

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
			S_2 = 56° to c.a. 796.5'											
806.5	808.5		Polymictic breccia in gouge matrix; as 760-789 w/ preponderance of bio. granodiorite frags.; gouge 40° to c.a. @ 806.5', 50° to c.a. @ 808.5'											
808.5	848		Qtz-musc-bio. schist; as 789-806.5; S_1 = 60° to c.a. @ 813'											
			3" gouge @ 70° to c.a. 832-832.25'											
848	957		Quartzo-feldspathic breccia-muscovite-staur.-schist; med. dk. gray brown, thinly banded, weakly aluminous, non-graphitic, non-calcareous, variably magnetic bio > musc schist c.f. 1600-1850' in 1456-75-12; numerous sulfide bearing zones as follows:											
			1) 850-870': ≤ 1% po disseminations and blebs, magnetic											
			2) 852.5-855: ≤ 1% po+py+cp over interval, 3-0.25" py>po>cp bands w/ 50% sulfides											
			3) 884-903': ≤ 1% po as disseminations and blebs, magnetic											
			4) 884-886: 1-5% banded and diss. py>po>cp; <<< 1% Cu											
			5) 919.5-928: ≤ 1% po as disseminations and blebs; magnetic											
			6) 922-923: 5-7% thinly banded & diss. po; magnetic											
			7) 929.5-930.75: 1-3% banded and diss. py											
			8) 937-950.5: ≤ 1% po as disseminations and blebs											
			9) 947-950.25; 1-3% banded and diss py>po>cp; <<< 1% Cu											
			no base metal-sulfides other than cp; 3" gouge @ 60° to c.a @ 878.5'											
			1" gouge @ 70° to c.a. @ 886.5; 2" gouge @ 70° to c.a. @ 909'; polymictic breccia											

Diamond Drill Record

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HOLE NO.
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
			and gouge @ 80°(?) to c.a. 928-929'; 8" polymictic breccia & gouge 952-952.25'; ~~D₃ transposition of D₂ fabric incomplete~~; S_3 = 75° to c.a. @ 846 where F_2 = 45° to lin of S_2 ~~strike~~ and plunges SE; S_2 = 50° to c.a. @ 897'; S_2 = 85° to c.a. @ 949 where F_2 = 0° (11) ~~to~~ lin of S_2 ~~strike~~										
	957	EOH												

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 75-10

Fabric Orientation Diagram:

Project: Zone 3 Relog

Location: Section 26/121

Claim: _____

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 9,302.37 N (Mine)

15,100.79 E

All symmetry determinations looking NW with S_2 dipping SW with dip azimuth 210.

Elevation: 4,141.0 (MINE)

Total Depth: 957.0

Purpose: Zone 3 Defn.

Logged by: DSJ Date(s) Logged: _____

Drilling Contractor: _____ Core: Size From To Collar Cased and Capped: ____

Size	From	To
BQ		

Started: July 6/75 Completed: July 16/75

DDH 75-10

Diamond Drill Core Log

	Drillhole	Elevation	Northing	Easting	Comments
	2 8	10 16	17 24	25 32	34 48
T	75-101	4,141.19	9,302.1371	15,199.1719	

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
	2 8	10	14	22	26	28 32	34 56
R	75-10	1990	0	1810.0		937.10	AT COLLAR
R	75-110	1837	0	1612.0		937.10	ACID DIP ONLY
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10

DDH 75-10

Cyprus Anvil Mining Corp.
Lithologic Log

Logged By: _____

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	0	11	1		0/B
L	11	151	2	3D10	
L	151	1614	3	3C10	
L	1614	174	4	3D10	
L	174	185	5	3C10	
L	185	1151	6	1D10	
L	1151	1185	7	0F10	
L	1185	1215	8	1D10	
L	1215	1485	9	0F19	
L	1485	16113	10	2A10	
L	16113	16214	11	1D14	
L	16214	16217	12	2C10	
L	16217	16310	13	1D14	
L	16310	16312	14	2C10	
L	16312	16315	15	1D14	
L	16315	16317	16	2C10	
L	16317	17210	17	1D14	
L	17210	17819	18	1C1D	
		EOH.			

DDH 75-10 (2 8)

Cyprus Anvil Mining Corp.

Structural Log

Logged By: DJH

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S	1170	PS12			70	210	
S	1370	PS12			68	210	
S	1570	PS12			74	210	
S	1770	PS12			86	210	
S	1970	PS12			63	210	
S	1190	PS12			75	210	
S	1390	PS12			65	210	
S	1870	PS12			61	210	
S	2060	PS12			65	210	
S	2260	PS12			65	210	
S	2460	PS12			49	210	
S	2660	PS12			57	210	
S	4890	PS12			65	210	
S	5090	PS12			80	210	
S	5270	PS12			75	210	
S	5480	PS12			75	210	
S	5680	PS12			80	210	
S	5900	PS12			78	210	
S	6060	PS12			79	210	
S	6285	PS12			55	210	
S	6490	PS12			72	210	
S	6690	PS12			70	210	
S	6870	PS12			66	210	
S	7017	PSR			50	210	
S	7127	PSR			66	210	
S	7254	PSR			59	210	
S	7410	PSR			41	210	
S	8111	PSR			71	210	
S	8331	PSR			51	210	
S	8552	PSR			53	210	
S	8773	PS12			48	210	
S	8992	PS12			62	210	
S	9112	PSR			72	210	
S	9333	PS12			50	210	
S	9553	PS12			72	210	

Diamond Drill Record

COLLAR:	HOLE SURVEY		
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NORTH			
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HOLE NO: 75-11
CLAIM NAME
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
0	12		Overburden and rubbly bedrock on 4030 bench in pit					
12	44		Calc-silicate phyllite; strongly compositionally banded, lt. grey green to med. green to purplish brown, qpx bearing bands, chlor. phyllite and bio. phyll interbanded on scale of 0.1-6.0"; unit typical lithology of calc-silicate phyllite map unit; non-mag., non-calc; interval blocky and heavily weathered; S_2 = 75° to c.a. @ 42.5'; complete D_2 transposition of D_1 fabric; interval 80-90% qpx and chlor bearing assemblages					
44	48		Calc-silicate phyllite; c.f. 12-44 except purplish bio. phyll. ≈ 80% of interval					
48	104.5		Calc-silicate phyllite; as 12-44; S_2 = 70° to c.a. @ 100'; interval ≈ 5% purplish brown bio. phyll, remainder cpx-chlor bearing assemblages					
104.5	109		Brecciated calc-silicate phyllite; silica-healed and heavily chloritized calc-silicate breccia, no bio. phyll. bands in interval, all cpx-chlor bearing assemblages; breccia zones c.f. crackle breccia @ 70° to c.a. 104.5 & 109					
109	147		Calc-silicate phyllite; c.f. 12-44 w/ ≈ 30% each of lt. green cpx, med.-blue green chlor-clinozoisite and purplish br. bio phyll assemblages S_2 = 50° to c.a. @ 147; complete D_2 transposition of D_1 fabric					
147	151.25		Calc-silicate phyllite; lt gray green, laminarily to thinly banded, qtz-$CO_3^=$-chlor phyll.; weakly calcareous, non-mag, high S.G.					
151.25	191		Calc-silicate phyllite; interbanded med. dk. blue green chlor-clinozoisite (epidote) phyll and purplish brown bio. phyll; approx 50% each rock type;					

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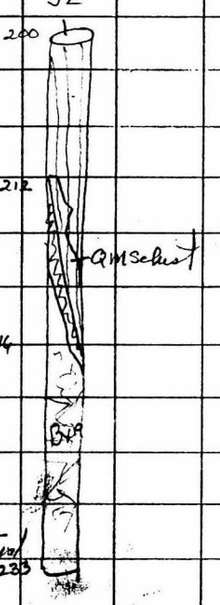
FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
			S_2 = 70° to c.a. @ 180'; complete D_2 transposition of D_1 fabric		S_2			
191	211.5		Graphitic schist; dk. gray to black, highly graphitic schist; S_2 sub-parallel to c.a. 200-211 along / near fault zone					
211.5	212.5		Qtz-musc schist; lt. beige, v. finely + thinly blebby of highly silicified qtz-musc schist along fault zone is graphitic schist; unit heavily foliated					
212.5	214		Fault zone in graphitic schist; subvertically oriented 1-2" gouge and bxia zone in graphitic schist @ ± 5° to c.a. over this interval					
214	233		Crackle breccia in graphitic schist; qtz-CO_3 healed crackle bxia in graphitic schist unit; graphitic schist unit from 191-233 has fault zone thru center part of interval (above); <1% dk brown ZnS disseminations throughout interval					
233	240.5		Graphitic schist; as 191-211; S_2 = 50° to c.a. @ 234'; no sulfides, non-magnetic					
240.5	284		Musc-bio-andalusite schist; lt-med gray beige, mod. porphyroblastic musc > bio pelitic schist c.f. 534-1333' in 456-75-12 except less bio and C rich; S_2 = 70° to c.a @ 254'; nearly complete D_2 transposition of D_1 fabric; gouge zone w/ ball qtz and pink andalusite 255-256 @ 70° to c.a.					
284	303		Bio-chlor-musc schist; lt-med greenish beige to brown, thinly banded, heavily qtz-carbonate veined 3 mica schist (?) w/ 1' gouge @ 20° to ca, 287-290'; S_2 = 70° to c.a. @ 800'					



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303	345		Musc-bio-andalusite schist; as 240.5-284; 2-1' zones of qtz-pink andalusite and an unknown mica like mineral ± scapolite(?) 308.5-309.5 and 310.5-311.5; schist similar to 549-1328 in 456-75-12; S_2 = 80° to c.a. @ 342'; interval non-magnetic w/ no visible po; only sulfide occurrence is 1/2"+ 3/4" band of anastomosing po+py up to 40% total sulfides @ 70° to c.a. @ 336.5'					
345	364		Carbonaceous to graphitic bio-musc-staur-andalusite schist; med. gray to black variably graphitic, thinly to laminarly banded, coarsely porphyro-blastic bio > musc schist; 2 types of porphyroblasts coexisting — dk blue gray anhedral andalusite and lt pink, coarse (chiastolite?) staurolite ??; uncertain whether blue staur or pink andalusite; nearly complete D_2 transposition of D_1 fabric; S_2 = 80° to c.a. @ 355.5 where F_2 = 0° (11) to line of S_2 strike, post D_2 lineation 30° to line of S_2 strike and plunges SE (assuming S_2 to dip SW)					
364	374.5		Porphyritic hb-bio. diorite; med. gray green, med. xline, quite porphyritic (hb-bio-plag) diorite; massive, unfoliated, post-D_2 image; irreg. intrusive contact ≈ 70° to c.a. @ 364' and 374.5'					
374.5	469		Bio-musc-andalusite schist; med. brown, weakly porphyroblastic, thinly banded; bio > musc pelitic schist similar to transition zone from 1333-1528' in 456-75-12; S_2 = 80° to c.a. @ 402'; S_2 = 75° to c.a. @ 457'; nearly complete D_2 transposition of D_1 fabric; interval weakly					

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			magnetic 377-389 w/ <<1% po or mag; remainder of interval non-po bearing						467-476	8.5
									476-481	5.0
469	477		Graphitic gtz-musc schist; dk. gray-black, thinly banded, weakly pyritic gtz-musc schist; incomplete D_2 transposition of D_1 fabric						481-187	6.0
									487-491	3.5
477	493		Sulfide bearing graphitic gtz-musc-schist and ribbon banded graphitic quartzite; mod. to strongly banded, dk. gray to black, variably graphitic thinly banded, pyritic and PbS-ZnS bearing gtz-musc schist and ribbon banded graphitic quartzites; pronounced 0.25-1" nearly						491-495	3.5
									495-501	6.0
									501-506	5.0
									506-516	10.0
			massive pyritic bands w/ thinly banded to disc. PbS/ZnS; S_2 = 80° to c.a. @ 482.5; incomplete D_2 transposition of D_1 fabric, many F_2 hinges in sulfides; S_2 = 70° to c.a. @ 488 where F_2 axis is ∥ to line of S_2 strike; interval should be split						516-526	10.0
									526-536	7.0
									536-547	10.2
									547-557	10.0
493	498		Non graphitic, sulfide bearing quartzite; mod. bluish gray, thinly banded, variably pyritic quartzite w/ 3-8" band of massive pyrite; minor reddish brown-black ZnS banded and dis. thru interval; split and analyse interval						557-567	10.0
									567-576	9.0
498	503.5		Pyritic massive sulfides; osely ribbed, 80-90% total sulfides w/ minor PbS/ZnS banding as well as diss PbS/ZnS; 2" po >> py band @ 498' where py polygranular aggregates rounded along w/ several gtz-musc schist frags.; no $BaSO_4$ seen							
503.5	508		Massive pyritic, pyritic sulfides; weakly banded, punkish							

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			bronze massive po w/ 20-40% py bands and blebs; minor magnetite					
			porpho 506-508'; no BaSO4 seen; banding (S_2) = 75° to c.a. @ 506'					
508	516		Porphyritic hb-bio diorite; med. dk gray green, strongly porphyritic					
			(hb-bio-plag), massive, post-D_2 diorite dike/sill w/ contacts 70° to c.a.					
			@ 508 and 516					
516	531		Massive pyritic, pyritic sulfides; as 503.5-508; weakly banded					
			mass. sulfs. w/ 60-80% po w/ 10-20% py as rounded colloform??					
			blebs to angular frags. to csely xllne subhorizontal py gneissic in					
			pressure shadows of minor, randomly oriented qtzite frags; no mag-					
			netite or barite visible; disc ZnS + PbS thru interval					
531	535		Heavily kaolinitized and gouged sulfide bearing musc. qtzite; c.f.					
			493-498 except heavily gouged and kaolinitized (?) 532-535'; gouge					
			@ 60° to c.a. @ 532; note only 6" core recovered 532-535';					
			no indication of lg. amt. lost core from footage blocks					
535	538.5		Massive pyritic, pyritic sulfides; as 516-531, 503.5-508; 3"					
			band PbS + ZnS @ 535-535.25'.					
538.5	550.5		Massive pyritic sulfides; approx 90% total sulfides over interval					
			Typical "buckshot" pyritic ore w/ weak PbS + ZnS banding; med-csely					
			xllne; no visible magnetite or barite; 1-6" po >> py band. 539.5-					
			540'; angular, foliated qtzite frags in sulfides 548-550'; banding					
			(S_2) = 60° to c.a. @ 550'					

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550.5	554.25		Massive pyrrhotitic, pyritic sulfides; as 503.5-508, 516-531, 535-538.5; minor gtzite frags randomly oriented in mass sulfs.; 1' bnd coely porphyroblastic py >> 551-552'											
554.25	555		Dacite (?) healed sulfide bearing quartzite breccia; incipiently brciated and healed py-ZnS-PbS bearing med. bluish gray gtzite; matrix of brcia is lt. ochre c.f. dacite margins 508 and 516'; 1-2% cp vein interval											
555	559.5		Pyrrhotitic, pyritic sulfide bearing quartzite; strongly bandcol, variably sulfidic, po >> py bearing quartzite w/ variable amts. diss. reddish brown ZnS + PbS; note reddish brown ZnS generally assoc. w/ gtzite while black ZnS in mass pyritic sulfides i.e. less FeS saturation in ZnS of gtzite because less py/po in gtzite; banding (S_2) = 60° to c.a @ 559'; approx 30-40% total sulfides over interval											
559.5	560.5		Pyritic, ribbon banded graphitic quartzite; approx. 20% total sulfides over interval; strongly bandcol; dk gray; py >> po; less reddish brown ZnS in gtzite											
560.5	563		Massive pyrrhotitic, pyritic sulfides; as 503.5-508, 516-531, 535-538.5, 550.5-554.25; 80% total sulfides over interval; no mag nor talc or vis bt barite											
563	564.5		PbS-ZnS rich massive sulfides to sulfide bearing quartzite; dk reddish gray PbS+ZnS >> py > po; approx 70-80% total sulfides; 1-2% cp over interval of mildly, broken core; no mag nor talc or barite observed											

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564.5	568		Massive pyrrhotitic, pyritic massive sulfides; as 560.5-563; contact 50° to c.a. @ 568					
568	570.5		Quartz-muscovite-andalusite schist; lt gray, weakly aluminous, laminarly banded, bc. fine qtz-musc-and. schist of white mica envelope					
570.5	590		Carbonaceous, qtz-musc-bio-andalusite schist; med-dk. gray, thinly to laminarly banded, weakly aluminous i.c. minor andalusite, pelitic schist; S_2 = 50° to c.a @ 584; note unit identical to 469-477 and may be fold repetition of same					
590	674.25		Musc-bio ± andalusite schist; med. gray brown, thinly to laminarly banded, weakly aluminous, slightly and variably carbonaceous, incompletely D_2 transposed pelitic schists; not white mica envelope; 0.5-3" white bull qtz veins/pods characteristic of interval; S_2 = 60° to c.a @ 650'					
674.25	682		Porphyritic hb-bio diorite; as 508-516; contacts @ 50° to c.a @ 674.25 and 682'; numerous 0.5-1.0" gauge zones thru interval @ 50° to c.a.					
682	743		Bio-musc-andalusite schist; med. brown gray thinly banded, rarely porphyroblastic, bio > musc pelitic schist; interval same as 549-1333 or 456-75-12; note 570.5-743 equivalent to 543-1333 in 456-75-12; 1.5' bull qtz pod/veins @ 70° to c.a. 686.5-688; S_2 = 80° to c.a. @ 701'; S_2 = 60° to c.a. @ 742'					
743	1088		Bio-musc-(Stowe) andalusite schist; med. gray brown, med. x'line, thinly banded, incompletely D_2 transposed pelitic schist equivalent					

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			to 1333-1528' (at least) in 456-75-12; typical reddish brown bio., less uniform as chloritic development, brownish rather than gray color (note transition zone in 456-75-12 may cover as much as 1150-1560'; if "end member" approach used); thus interval 191-743 in 75-11 ≅ 543-1150/1333' in 456-75-12 and 743-1088 in 75-11 ≅ 1150/1333' to 1528/1560' in 456-75-12; stygmatic pegmatite dike 744.75-745.25; prominent white buff qtz pods/veins 824-826, 893.5-894.5, 935-936 937-939; S_2 = 85° to c.a. @ 811'; note 787-802 = Gg. F_2 hinge as suggested by extreme F_2 folding over this interval (direction of closure impossible to obtain) S_2 = 65° to c.a. @ 855'; S_2 = 90° to c.a. @ 901'; S_2 = 85° to c.a. @ 1017.5 where F_2 = 0° (or 11) to line of S_2 strike; S_2 = 85° to c.a. @ 1068; entire interval variably ferromagnetic suggesting <<1% po than interval; zones of po concentration <1% include: 794-799; 831-840; 847-853; 897.5-933; 944-947.5; 958-965 1018-1024; 1029-1036; 1068-1075;									
1088	1330		Musc-Bio ± Andal-Schist; dk brown to beige blotchy, thinly banded, musc>bio, pelitic schist; interval characterized by: dk brown bio-rich clots or patches with sharp to diffuse boundaries. Interval 1213-1330 shows best examples of bio-blebs with diffuse borders. This interval has approx 1% py.>po. and bio blebs seem to be breaking down to musc+py/po. Po <1% found @ following intervals 1099-1105, 1114.5-1120. S_2 = 70° to c.a. @ 1099'. S_2 = 65° to c.a. @ 1157'. S_2 = 70° to c.a. @ 1200'; S_2 = 75° to c.a. @ 1248. S_2 = 75° to c.a. @ 1299.									
1330	1571		Qtz-Bio-Musc Schist; as 1088-1330 except bio predominates over musc. Same blotchy											

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1330	1371		appearance. Minor andalusite. Numerous white foliaform bull qtz pods or veins some with excellent punk andalusite. (esp. 1362-1363). This interval equivalent to qtzo-fspathic portion of schist unit as in 456-75-12 1528-2302. Essentially complete D_2 transposition of D_1 fabric S_2 = 70° to c.a. @ 1350'.											
1371	1421		Qtz-Musc-Bio ± Garn Schist; as 1088-1330. irregular nearly foliaform py >> po bands @ 1376-1376.5. and 1404-1404.5 in qtz-musc schist essentially free of biotite, Nearly mutual exclusion of bio and sulfides again suggests sulfurization reaction (D) Bio + S_2 ⇔ Musc + Py/Po. S_2 = 70° to c.a. @1400'.											
1421	1454	X	Qtz-Bio-Musc Schist; as 1330-1371. Incomplete D_2 transposition of D_1 fabric S_2 = 60° to c.a. @1450'. S_2 = 60° to c.a. @1431 where F_2 = 60° to 1 meas $S_2 \Sigma$ and plunges West.											
1454	1472		Qtz-Musc-Bio Schist; as 1088-1330 and 1371-1421. Characteristic Biotite pleochroic (Brittly deformed and boudinaged. Bio-rich S_1 banding ruptured thru F_2 fold hinges. Interval shows some diffuse bio-clot contacts in pyritic qtz-musc schist matrix											
1472	1515		Qtz-Bio-Musc Schist; as 1330-1371 and 1421-1454. Essentially complete D_2 transposition. S_2 = 50° to c.a. @1505'.											
1515	1558		Qtz Musc-Bio Schist; as 1088-1330 and 1371-1421 and 1454-1472. No appreciable sulfides in this interval. Essentially complete D_2 transposition S_2 = 55° to c.a. @1550'											
1558	1562		Metabasite with minor Bio-Musc Schist interbands; med green to yellow green; Fr Mine; weakly banded metabasite + 2-mica schist, 3rd gauge. 65° to c.a. @ 1562'											

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1562	1583.5		Qtz-Musc-Bio Schist ; as 1515-1558.											
1583.5	1639	1A12	Interbanded Metabasite and Variably carbonaceous qtz-bio-schists ; typical red-green											
			massive metabasite bands 6"-2' thick ; interleaved with thinly banded med.											
			brown-grey to dk grey. qtz-bio schists. Interval approx 50% each lithology.											
			Incomplete D_2 transposition S_2 = 75° to c.a. @ 1596.											
1639	1662.5		Metabasite ; dk green massive, wkly banded. S_2 = 50° to c.a. @ 1652'											
1662.5	1683.5	1A1	Interbanded Metabasite and Carbonaceous qtz-bio-schists ; as 1583.5-1639.											
			Note interval - 1683.5 to 1683.5 may constitute lowest recognizable subdivision of											
			schist map unit. Similar lithologies seen in 73-X-1 , 74DS1 and 74DS2.											
1683.5	1688		Sub-Solvus Pegmatite ; off white to lemon-yellow, weakly flow foliated, med-csly											
			shine. Two fspar. pegmatite. Yellow phase thought to be fspar ?											
1688	1704.75	1A1	Interbanded Metabasite and Carbonaceous qtz-bio-schists ; as 1583.5-1639 and 1662.5-											
			1683.5. S_2 = 70 to c.a. @ 1702.5.											
1704.75	1708		Bull Qtz Vein (POD) ; 70° to c.a. @ 1704.75											
1708	1724		Sub-Solvus Pegmatite ; as 1683.5-1688. Numerous 1" grey X-cutting qtz veins. ; contact 60° @ 1708											
1724	1729		White Bull Qtz Vein (POD) ; as 1704.75-1708, symmetrical distribution of bull qtz											
			around pegmatite suggest zoned pegmatite sill 1704.75-1729. ; contact 50° to c.a. @ 1729											
1729	1730	1A2	Graphitic Schist ; black, laminally banded. S_2 = 70° to c.a. @ 1729.5											
1730	1747	1A12	Interbanded metabasites and carbonaceous qtz-bio schists ; as 1583.5-1639,											
			Note 1683.5-1683.5 ; prominent fuchsite 1731-1731 in qtz-fuchsite											
			schist bands											

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1747	1751.5		Quartz monzonite sill; foliaform (S$_2$); off white - lt. gray med. xlline weakly flow banded (?) qtz-monz. sill					
1751.5	1794	1A0	Interbanded metabasites and carbonaceous qtz-bio. schists; as 1583.5-1639 1662.5-1683.5, 1730-1747; minor (<< 1%) py bands in metabasites; metabasites 20-30% of interval i.e. more carbonaceous schist than metabasite; 2" qtz. monz. sill @ 1763'; S$_2$ = 70° to c.a. @ 1752'					
1794	1794p		Foliaform, tour-gar. pegmatoid sill; lt. gray, med xline gone of 1-3" pegmatoid stringers foliaform w/ respect to S$_2$					
1794	1805	1A0	Interbanded metabasites and bio. schists; c.f. 1751.5-1794 except sequence non-carbonaceous; entire interval 1583.5 to @ least 1848 represents a third member of schist map unit characterized by approx 50% metavolcanic lithologies; S$_2$ = 70° to c.a. @ 1802'		Even resemblies 1C5 a bit			
1805	1893.5	1A0 → 1A18	Interbanded sequence of incipiently recrystal metabasites, chlor-musc-schists and quartzo-feldspathic bio. schists; sequence of variolored (beige - med. green - dk. brown), crudely banded, variably and incipiently brecciated schists; brecciation similar to that in calc-silicate phyllite over zone 3 w/ randomly oriented D$_2$ foliated subangular fragments in non-descript chloritic (?) matrix; possibly matrix is in part a chloritized post-D$_2$ dioritic glass; minor ± calcar bio. diorite frags. in brecc. Bio. diorite healed bio. schist breccia; brecc. zone similar to	Note:	Could stretch this unit to = calc-silicate Tay structural long section from Tay River mines grid E to 1A0 in 75-11 & 456-75-12			PA 1996
1893.5	1899.5							

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			above interval except w/ abrous bx. biotite matrix											
1899.5	1965.5		Biotite diorite; med. dk. gray, finely porphyritic (bio-plag); massive diorite; minor (<1%) bk. polyclinic aggregates; similar to border phase of Amiel Batholith NW of Mt. Tit; could equally well be a dike?; no sharp contact w/ above bxia zone, rather a gradational boundary; no fabric											
1965.5	1991		leucocratic bk(?) granodiorite; lt. gray to off-white, fine xline, equigranular hornblende (?) bearing granodiorite to qtz monzonite; interval also similar to mafic border phase of Amiel Batholith only more finely xline; interval could also be core of zoned diorite dike/sill; interval shows relatively sharp contacts w/ enclosing diorite											
1991	2015.5		Biotite diorite; as 1899.5-1965.5											
2015.5	2023		Biotite granodiorite; beige, finely xline, weakly porphyritic (bio-2 feldspars) biotite granodiorite not like any previous intervals; unit nearly identical to finely xline phases of Amiel Batholith but not easily porphyritic (same bulk comp. as batholith - subsolvus as well)											
2023	2039		Biotite diorite; as 1899.5-1965.5, 1991-2015.5											
2039	2109.5		brecciated, alto-pelitic bx. schist and mass. schists; as 1805-1893.5; diorite contact 40° to c.a. @ 2039 where bxia interval intersected; 1" gouge 55° to c.a. @ 2039.25'; entire interval 1899.5-2039 is a zoned diorite dike; bx granodiorite/monzonite xalter frags											

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			increase from 2068 to end of interval; several stages of intrusion recognizable in interval:											
			(1) Intrusion of bio. granodiorite											
			(2) Fracturing of schists and bio. granodiorite											
			(3) Intrusion of pink hb. granodiorite											
			(4) Intrusion of typical hb-bio. diorite (2100-2108')											
			Note that this is also sequence of intrusion on regional scale											
			Hb-bio diorite 2100-2108											
2109.5	2155		Smokey qtz-feldspar porphyry; lt gray, aphanitic groundmass w/ med. (0.1") xlline smokey qtz. phenocrysts and occ (0.5") zoned plag. phenos; phenos. euhedral to subhedral; unit is same as that encountered in 71-21; contact w/ above brxia = 40° to c.a. @ 2109.5											
	EOH													

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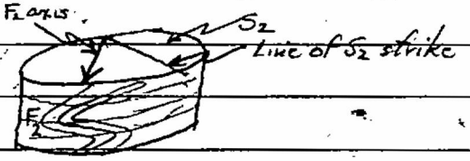
FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS					
0	11		Overburden									10-14	2.25
11	43		Calc-silicate phyllite; interbanded med-dk. blue green clinoamph + ep and brown bio. phyll bands; interval blocky and weathered; approx 60% clinoamph / 40% bio phyll bands									14-20	2.3
												20-24	3.0
43	51		Calc-silicate phyllite; as 11-43 w/ approx 70% bio. phyll. bands 30% clinoamph-ep bands; S_2 = 80° to c.a. @ 50'										
51	64.5		Metabasite; dk green, weakly banded, clinoamph-ep-plag. assemblage - as in preceding intervals w/ < 5% bio phyll. interbands; this interval would be mapped as metabasite or amphibolite w/in calc-silicate map unit; unit moderately calcareous										
64.5	74		Calc-silicate phyllite; med-dk. purplish brown, thinly banded, moderately calcareous interval of bio. phyll w/ < 10% clinoamphibole bearing bands; S_2 = 80° to c.a. @ 68' where F_2 is 30° to line of S_2 strike 										
74	85		Metabasite w/in calc-silicate phyllite; as 51-64.5'										
85	95		Graphitic bio-musc ± andalusite schist; dk. gray-black, thinly banded, variably graphitic, bio >> musc schist w/ py+po < 1% thru interval; F_2 and F_4 folds approx coaxial @ 92' w/ S_4 @ 50° to c.a. where S_2 = 70° to c.a.; F_2 is ≈ 30° to line of S_2 strike @ 92'; symmetry S_4 										

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			of F_4 folds ⇒ overturned antiformal hinge; toward bathholith from collar of hole					
95	98		Carbonaceous marble; finely xlline, black to gray green, variably carbonaceous marble					
98	105		Graphitic bio-musc ± andalusite schist; as 85-95; S_2 = 80° to c.a. @ 101'					
105	107		Carbonaceous marble; as 95-98; note these marble bands probably beginning of $CO_3^=$ sedimentation and deposition of overlying calcareous calc-silicate pelitic unit.					
107	115		Graphitic bio-musc ± andalusite schist; as 85-95, 98-105;					
115	117		Calcareous chlo-clinozoisite schist; lt. greenish beige, weakly banded moderately to highly calcareous chlorite-tremolite (?)-calcite schist to silicated marble					
117	129		Graphitic bio-musc ± andalusite schist; c.f. 85-95, 98-105, 107-115 w/ decreasing graphite/increasing bio towards bottom of interval					
129	151		Carbonaceous bio-musc-andalusite schist; med. gray brown, thinly to laminarly banded, bio > musc pelitic schist; D. transposition of D. fabric incomplete; good example of nearly coaxial F_3 & F_4 folding @ 130' where S_2 = 70° to c.a. and S_4 = 45° to c.a. c.f. example @ 92', F_4 overturned to NE ⇒ antiformal hinge (F_{4A}) between hole & bathholith; S_2 = 50° to c.a. @ 150'					
151	185		Smoky quartz feldspar porphyry; ark white to beige, med. xlline					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
			porphyritic (qtz-plag) porphyry w/ diagnostic sub-euhedral smoky quartz phenocrysts; same unit as exposed in breakthrough channel from dwarfism ditch, E of zone #3; foliated xenoliths ⇒ post-D_2 age; gouge 151-153', 182-185'									481-486	5'	
												486-490	3'2"	
												490-495	5'	
185	275		Muscovite-biotite-andalusite schist; med brownish gray, musc > bio pelitic schist w/ coarse dk blue gray andalusite porphs; this interval similar to 535'-1528' in 486-75-12 i.e. typical aluminous Faro pelitic schist that is host to deposit; D_2 transposition of D_1 fabric variable & incomplete; S_2 = 70° to c.a. @ 200'; S_2 = 75° to c.a. @ 249'; 1' post D_2 gouge 250-251'; S_2 = 60° to c.a. @ 274'; note interval becomes more muscovitic, rich as smokey qtz feldspar porphyry is approached 270-275'; entire interval white mica envelope lithology									495-500	4'6"	
												500-505	5'	
												505-510	5'	
												510-515	5'	
						•						515-521	5'6"	
							•					521-526.5	5'6"	
												526.5-532	5'3"	
												532-537	5'	
275	481		Smokey quartz feldspar porphyry; as 151-185; many zones of blocky core; no prominent fault gouge zones thru interval; interval variably foliated									537-542	5'	
												542-547	5'	
												547-552	5'	
✓ 481	484		Heavily gouged and brecciated contact zone of smokey quartz feldspar porphyry and musc schists of white mica envelope; interval mainly irreg. X cutting porphyry dikes w/ irreg. oriented graphitic & musc. schist fragments									552-557	5'	
												557-562	5'	
												562-565	3'	
												565-570	5'	
✓ 481	485		Heavily gouged and brciated contact zone of above porphyry w/ randomly oriented graphitic & musc schist and massive sulfide fragments									570-575	5'	
												575-580.5	5'3"	
												580.5-586	5'3"	

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485	508.25		Sulfide-bearing graphitic quartzite; med. gray, pyritic quartzite w/ minor ZnS/PbS; weak S_2 banding @ 65° to c.a. @ 487'; ≈ 20%-30% pyr disseminated over interval w/ ≤ 5% combined ZnS+PbS; 4" gouge 75° to c.a. 504-504.3'; 12" gouge 75° to c.a. 504.75-505.75'; graphite lined along S_2 "gleitbrett" giving striped or banded appearance to core;	no po	rets	- margin						
508.25	509.75		Gouge zone in musc-gtz schist and graphitic sulfide bearing quartzite; randomly oriented schist > gtzite fragments; gouge @ beginning and end of interval ≈ 60° to c.a., gouge @ 509.25 ≈ 45° to c.a.										
509.75	591.5		Sulfide bearing graphitic quartzite; as 485-508.25; gouge zone @ 526-534' 70° to c.a. 512-513'; numerous F_2 fold hinges; S_2 = 80° to c.a @ 526.5 where L_2=F_2 is 10° to line of S_2 strike w/ SE plunge; in general D_2 transposition of D_1 fabric is nearly complete over this interval (of this hinge zone of megascopic F_2 fold would expect less D_2 transposition); 3" gouge zone 543-543.25; 2.5' gouge and brecia zone 544-546.5', gouge @ 5°-10° to c.a. over interval; S_2 = 70° to c.a @ 549' S_2 = 60° to c.a. @ 584'; sulfide zone non-magnetic										
591.5	593		Non-graphitic sulfide bearing quartzite; med. gray, pyritic gtzite w/ 50-60% pyrite and 1" massive PbS/ZnS band @ 593'; non-magnetic										
593	603.5		Sulfide bearing graphitic quartzite; as 485-508.25, 509.75-591.5; S_2 = 85° to c.a. @ 597'; entire sulfide interval probably BaSO4										

586-591	5'	
591-596	5'	
596-601	5'	
601-606	5'	
606-607	8"	
607-610	3'	
610-617	7'	
617-621	4'	
621-627	5'6"	

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			bearing; interval more pyritic, less graphitic 609-613.5; no po-rich zone at base of sulfide intercept; S_2 = 75° to c.a. @ 605'									627-631	4'	
												631-641.5	10.5'	
613.5	616.5		Gouge and breccia zone in qtz-musc schist; off-white to beige qtz-musc schist of white mica envelope showing post-D_2 brecciation and gouge development @ 50° to c.a.											
616.5	624.5		Quartz-muscovite schist; off-white to beige schist of white mica envelope; 3" bxia zone 617-617.25; S_2 = 80° to c.a. @ 623'; occasional blebs and dissemination's of py + ZnS thru interval											
624.5	627		Sulfide bearing quartzite; med. gray, weakly foliated pyritic quartzite w/ ≈ 20% disseminated and weakly banded py and 1-5% PbS+ZnS over interval; best concentration of PbS & ZnS 624.5-625.5 which may run ≈ 10% comb. Pb+Zn; 6" F. lunges 626, 628.5											
627	629.75		Qtz-musc. schist; as 616.5-624.5 w/ py blebs and foliaform bull qtz pods; one example of boudinaged qtzite band @ 628.5											
629.75	632		Sulfide-bearing quartzite; as 624.5-627 w/ ≈ 20% diss. py; non-pyritic qtzite 631.5-632; best Pb+Zn concentration (1-3%) 631.5-632											
632	635		Polymictic breccia and gouge zone in qtz-musc. schist; as 613.5-616.5; randomly oriented future qtz-musc schist; quartzite; graphitic qtzite fragments in post-D_2 bxia and gouge; entire zone about 70° to c.a. axis											
635	635.5		Qtz-musc. schist; as 616.5-624.5											

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635.5	636		Sulfide bearing non-pyritic quartzite; med. gray, thinly banded, non-pyritic qtzite w/ < 5% Pb S/Zn S; S_1 = 70° to ca. @ 635.75'					
636	636.5		Pyritic quartzite; as 629.75-632 except no appreciable Zn S + Pb S					
636.5	637.25		Sulfide bearing non-pyritic quartzite; as 635.5-636 except 5-7% combined Pb+Zn					
637.25	647.5		Quartz-muscovite schist; as 616.5-624.5, 627-629.25; 3" polymictic brxia @ 639.5; F_2 hinges in band of non-pyritic, nearly massive (50%) sulfides 644-644.25; incomplete D_2 transposition of D_1 fabric; S_2 = 75° to ca. @ 647'					
647.5	648		Sulfide bearing, non-pyritic quartzite; as 635.5-636 and 636.5-637.25					
648	655		Musc-gar. ± and. schist; as 616.5-624.5, 627-629.25, 637.25-647.5; typical off-white, white mica envelope; S_2 = 80° to ca. @ 653' where $F_2 = L_2$ ⊻ // to line of S_1 strike					
655	656		Sulfide bearing, non-pyritic quartzite; as 635.5-636; 636.5-637.25 w/ about 3-5% Pb+Zn combined					
656	657.5		Qtz-musc schist; as 616.5-624.5, 627-629.75, 637.25-647.5					
657.5	658.75		Sulfide bearing, non-pyritic qtz-musc schist; off-white to typical white mica envelope schists w/ 1-2% Pb S + Zn S (should assay ≈ 1-1.5% comb. Pb+Zn; incomplete D_2 Transposition of D_1 fabric					
658.75	661		Qtz-musc-gar ± andalusite schist; as 648-655; aluminous white mica envelope.					

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661	673.5		Polymictic, post-D_2 breccia and fault gouge: angular to sub-rounded fragments of bio ± musc and musc ± bio schists in fault gouge matrix; entire interval appears to be fault gouge zone @ 70° to c.a. @ 661 and 673.5'; note this only occurrence of bio-bearing schists in envelope										
673.5	683		Quartz-musc schist; as 616.5-624.5, 627-629.25, 637.25-647.5; D_2 transposition of D_1 fabric incomplete w/ imprint S_2 devel and pervasive F_2 development; unit typical white mica envelope lithology; S_2: 80° to c.a @ 682' where F_2 = 10° to line of S_2 strike w SE plunge										
683	684		Polymictic post-D_2 breccia and fault gouge; as 661-673.5										
684	703		Quartz-musc schist; as 616.5-624.5, 627-629.25, 637.25-647.5, 673.5-683 as 673.5-683 w/ incomplete D_2 transposition of D_1 fabric; S_2 = 80° to c.a. @ 701 where F_2 = 80° to line of S_2 strikes & plunges SE										
703	705		Polymictic, post-D_2 breccia and fault gouge; as 661-673.5, 683-684 uncertain what these bxta zones represent, do not appear to be similar to dacite healed bxia over zone 3, best guess is that these zones are mylonites; slickensided S_2 surfaces bounding mylonite zones ≈ 70° to c.a. but cannot reference dip to S_2 dip ∴ dip direction and plunge of slickens unknown										
705	709		Qtz-musc ± bio schist; as 684-703 w/ occasional bio. bearing bands and patches suggesting approach to end of white mica envelope minor py bands and blebs										

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709	710		Polymictic post-D_2 breccia in mylonite zone; as 661-673.5, 683-684, 703-705; slickenolided surfaces bounding zone @ 60° to c.a. w/ probable SW dip sub ∥ to S_2					
710	714.25		Qtz-musc-bio schist; as 705-709; D_2 transposition of D_1 fabric complete; S_1 = 60° to c.a. @ 711					
714.25	715.25		Sulfide bearing pyritic quartzite; med. gray, thinly banded, ZnS rich, weakly pyritic, weakly magnetic (patchy po) quartzite w/ 30-40% reddish brown finely xlline ZnS; generally sharp contacts to interval @ ≈ 60° to c.a.; minor PbS; early xlline py in cross fractures					
715.25	720		Quartz-muscovite schist; as 784-703; sub-foliaform amoeboid py patches and white bull qtz veins in typical white mica envelope lithology					
720	733		Musc-bio schist; typical white mica envelope lithology w/ increasing bio. as blebs and thinly banded musc > bio schist; interval blocky w/ 50-60% recovery					
733	760		Quartz-feldspathic bio-musc-gar. schist; med. brownish beige, sub-aluminous, thinly banded bio ≈ musc. schist; interval c.f. 1528-2302 in 456-75-12; D_2 transposition of D_1 fabric incomplete w/ pervasive F_2 hinges; several examples of pre-D_1 bio schist frags. in this interval perhaps suggesting tabaric (?) slumps					

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			of pre-D_1 lithologies into local basin prior to sulfide accumulation by sulfide fluid transport down paleoslope from vent center ??? (sounds good anyway !); S_2 = 60° to c.a. @ 739 where F_2 = 50° to line of S_2 strike and plunges SE; 1" breccia & gouge zone @ 736' @ 70° to c.a.					
760	789		Polymictic post-D_2 breccia in mylonite zone; angular to subrounded fragments of bio > musc. schist, musc > bio schist, bio. granodiorite & qtz veins in well indurated, very fine grained musc. schist gouge (?); matrix of breccia appears to be v.f.g., non-calcareous lithified musc. schist gouge; brecciation probably post-emplacement (or syn-emplacement) of Amiel Batholith as granodiorite frags. c.f. also of batholith incorporated in bxia; this zone identical to those @ 613-616.5, 632-635, 661-673.5, 683-684, 703-705, 709-710; combination of gouge-like matrix and angular fragments is puzzling in that two seem incompatible possibly ⇒ production of gouge on series of fault surfaces during initial movement and production of frags from fault bounded blocks during later movement; gouge zone @ 789' @ 40° to c.a.; rubbly core & gouge only @ 789; no & possible qtz-musc-bio. schist; offwhite to buff, qtz-musc. schist w/ dk brown biotite patches/clots; typical lithology seen on E wall of pit; bio. patches represent relict, sheared S_1 banding there variable D_2 transposition of orig. thinly banded bio. & musc. schists					
789	806.5							

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			S_2 = 56° to c.a. 796.5'					
804.5	808.5		Polymictic breccia in gouge matrix; as 760-789 w/ preponderance of bio-granodiorite frags.; gouge 40° to c.a. @ 806.5', 50° to c.a. @ 808.5'					
808.5	848		Qtz-musc-bio schist; as 789-806.5; S_2 = 60° to c.a. @ 813'					
			3" gouge @ 70° to c.a. 832-832.25'					
848	957		Quartzo-feldspathic biotite-muscovite stauro-schist; med. dk. gray brown, thinly banded, weakly aluminous, non-graphitic, non-calcareous, variably magnetic bio > musc schist c.f. 1600-1850' in 1456-75-12; numerous sulfide bearing zones as follows:					
			1) 850-870': ≤ 1% po disseminations and blebs, magnetic					
			2) 852.5-855: ≤ 1% po+py+cp over interval, 3-0.25" py>po>cp bands w/ 50% sulfides					
			3) 884-903': ≤ 1% po as disseminations and blebs, magnetic					
			4) 884-886: 1-5% banded and diss. py>po>cp; <<< 1% Cu					
			5) 919.5-928: ≤ 1% po as disseminations and blebs; magnetic					
			6) 922-923: 5-7% thinly banded & diss. po; magnetic					
			7) 929.5-930.75: 1-3% banded and diss. py					
			8) 937-950.5: ≤ 1% po as disseminations and blebs					
			9) 947-950.25; 1-3% banded and diss py>po>cp; <<< 1% Cu					
			no base metal-sulfides other than cp; 3" gouge @ 60° to c.a. @ 878.5'					
			1" gouge @ 70° to c.a. @ 886.5; 2" gouge @ 70° to c.a. @ 909'; polymictic breccia					

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			and gouge @ 80°(?) to c.a. 928-929'; 8" polymictic breccia & gouge 952-952.25'; D3 transposition of D1 fabric incomplete; S_1 = 75° to c.a. @ 846 where F_2 = 45° to lin of S_2 strike and plunges SE; S_2 = 50° to c.a. @ 897'; S_2 = 85° to c.a. @ 949 where F_2 = 0° (11) to lin of S_2 strike											
	957	EOH												

DDH 75-11 Symmetry

Footage	Style	Comments
114	Z	nearly pervasive S_2 111.5-114
143.5	S	
156	S	
174	S	
191.5	Z	
206	Z	
243	S	
258.5	S	
285	Z	
327	S	
328	S	nearly pervasive S_2 328-359
359	S	
385	S	
399	S	
410	Z	
435	S	
440	M	pervasive S_2 440-476
476	S	
478	S	
479	S	
484-492	M	mesoscopic F_2 kinks
493	Z	pervasive S_2 493-497.5; pervasive S_2 in massive sulfide 497.5-554 pervasive S_2 554-573
574	S	
576-582	M	
588	Z	
604	Z	
606-613	M	
621	S	
647	Z	
651-655	M	
658.5	Z	
683	S	
711	S	
718.5	S	
734	S	
741	S	
753	S	
753-758	M	

767	Z	
778	S	
781	M	
782	Z	
786-796	M	
797	S	
843	Z	
850-854	M	
856.5	S	
860-865	M	
869-870	S	
875	S	
877-878	S	
890	S	
913-918	M	
921.5	S	
931	Z	
933	S	
954.5	Z	
963-964	M	
975	S	
976.5	Z	
982-983	S	
985	S	
991	S	
991-992	M	
995	Z	
995-1003	M ?	lg. very complex F_2 kinge
1008	S	
1010-1012	S	
1021-1022	S	
1023	S	
1026	Z	
1030	S	
1034	Z	
1036	Z	
1047	S	
1049	S	
1058	S	
1067	S	
1030-1086	M	

1094	S	
1099	S	
1115	S	
1127	S	
1145	S	
1156	Z	
1174-1180	S	
1184	S	
1192	S	
1196	S	
1220	S	
1242	S	
1259.5	S	
1278	S	pervasive S_2 1280 - 1330
1332	S	
1341	S	
1347	S	
1357	S	
1366	S	
1351.5	S	
1397-1399	M	
1407	S	
1422.5	S	
1427	S	
1432	S	
1449.5	S	pervasive S_2 1451 - 1479
1481.5	Z?	F_2 axes ⊥ to line of S_2 strike 1480 - 1557 NFG for symmetry
		pervasive S_2 1557 - 1588
1588	S	
1601-1603	S	pervasive S_2 1604 - 1667
1665	S	
1650.5	S	
1653	S	
1695	S	
1700.5	S	
1701	M	
1725-1755	S	
1736	S	
1753	S	F_2 axes ⊥ to line of S_2 strike 1751 - 1802
1772	S	Probably NFG } axes ⊥ to S_2 Σ ∥ to line of section
1770	Z	" " }

Breccia and intrusive rocks are remainder of hole