

Diamond Drill Logs
67-16 → 73 26
014956

Section 142

Section 142
(Complete Logs)

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 67-16

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO #2

Claim: FARO

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 5748.1 N

15817.1 E

Elevation: 3925.7 (Mine) 3815.5 (MSL)

Total Depth: 203'

Purpose: Section 142 RELOG

Logged by: M.A. STAMMERS

Date(s) Logged: JUNE 1976

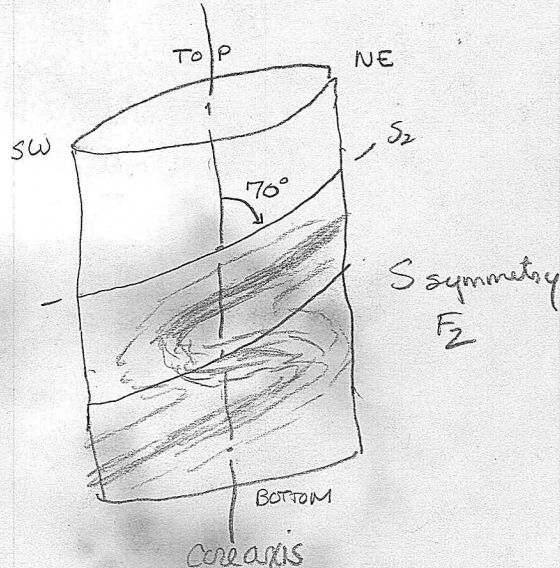
Drilling Contractor: _____

Core:	Size	From	To
	<u>NQ</u>	<u>0</u>	<u>203</u>
_____	_____	_____	_____
_____	_____	_____	_____

Collar Cased and Capped: 26

Started: 8/5/67

Completed: 10/5/67



All symmetry determinations looking NW with S₂ dipping SW with dip azimuth 210°.

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	0 0	2 6 0	1	#	overburden
L	2 6 0	6 1 5	2	1, D, 0	med grey beige, weakly banded, w/ly porphyroblastic musc \geq bio schist, finely xlline, mod. altered KBMAS w/ly carbonaceous, core is considerably broken and blocky, bull Qtz pods $\frac{1}{2}$ chlorite-rich altered zones @ 40.7' and 45' and 55.2'
L	6 1 5	6 2 3	3	0, Q, 0	Bull Qtz Pod marks beginning of siliceous/bleached schist
L	6 2 5	8 5 0	4	1, D, 1	lt beige w/rust red bio bands and rust yellow pyrite, unit is well banded, siliceous and approaches WHITE MICA envelope lithology; w/ly porphyroblastic, core is blocky and moderately fractured, typical lithology in Zone 2 overlying ore horizon re 67-23 [in SW]; lower contact uncertain due to very poor core $\frac{1}{2}$ recovery.
L	8 5 0	8 7 0	5	2, E, 2	massive pyritic-base metal sulfides, cslly xlline pyrite within a microxlline dk green-black sulfide matrix; also contains the occasional Qtzite clast; genetic interpretation may have sulfides undergoing "cataclastic grinding" followed by the growth of pyrite porphs; non magnetic; unit grades uniquely and rapidly into the underlying buckshot facies non-baritic \rightarrow 2E2314
L	8 7 0	8 7 3	6	2, G, 4	Massive Baritic Base Metal Sulfides; non magnetic, w/ly banded, total barite \approx 10%; Combined lead zinc (85-90) = 13.5%
L	8 7 3	9 2 2	7	2, F, 0	Pb-Zn-Py Buckshot facies, mod xlline, strongly weathered and broken/blocky core; non magnetic, w/ly compositional banding,
L	9 2 2	9 5 5	8	2, F, 6	Pb-Zn-Py + Barite buckshot facies; cslly xlline, w/ly banded weakly to mod. baritic; non-magnetic; combined lead zinc over interval 90'-95' = 11%, w/ly zones/bands of pyrochlore from 93.5-95.5 (<5%)
L	9 5 5	9 6 5	9	2, G, 0	Massive Baritic Sulfides/Sulfates w/ bands of pyrite and base metal sulfides; total barite = 30-45%, mod xlline, minor silica barite $\frac{1}{2}$ base metals appear to be decreasing downhole in unit
L	9 6 5	9 7 5	10	2, F, 2	Massive Pyritic \Rightarrow Base metal Sulfides/sulfates; w/ly banded, mod xlline, base metal sulfides and barite decrease downhole w/in unit, non-magnetic.
L	9 7 5	9 8 0	11	2, D, 0	Base Metal Sulfide bearing Qtzite bxia; total sulfides 10-15% including galena and pyrite.

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20	22 23 25 27			
L	980	985	12	2,G,0	Massive Baritic Sulfides w/ fair base metal and pyrite mineralization; non-magnetic; fine to med xlline, w/ely banded.
L	985	999	13	2,E,4	sandy pyrite bases w/ good base metal mineralization, finely xlline; massive; variably paritic, barite occurs as compositional banding; lithologies in ore body change continuously, scrambled core due to splitting gives only a rough shot of the boundaries of composition, etc. → 2E436
L	999	1155	14	2,E,6	basically a pyritic massive sulfide w/ substantial barite occurring in bands or disseminated, base metal values decrease from previous unit, banded to massive, finely xlline, wk. insignificant oxidation in spots along w/ the occasional siliceous band; non-magnetic; core in blocky & rubblely in parts w/ poor recovery; cf. unit 13 Base Metal: Combined Lead/Zinc; fg sphal & galena 100-105 = 6.5% 105-110 = 10% → 2E63 110-115 = 5%
L	1155	1167	15	2,B,5	med gray banded quartzite w/ vfg galena/sphalerite dissem. and banded; one inch zone of barite rich quartzite @ 116.2'; also pyritic but non-magnetic
L	1167	1172	16	2,E,0	massive py [±] (base metal) sulfides; insignificantly oxidized w/ely siliceous, non-magnetic, vfg; minor galena visible → out of ore zone & minor barite → 2E36
L	1172	1188	17	2,A,B	Ribbon banded graphitic quartzite grading from sulfide free, qtz dominant quartzite; excellent visual presentation of quartzite transition into the ribbon banded variety; med xlline changing dk. to finely xlline and w/ thinly banded; total sulfides ≈ 5% including pyrite and sphalerite.
L	1188	1196	18	2,E,0	exactly as unit 16
L	1196	1260	19	2,A,0	ribbon banded graphitic quartzite w/ finely disseminated sphalerite & pyrite; mod siliceous w/ good qtz interbands vfg, minor bxia @ 119.6-120, no appreciable base metal values unit strongly crenulated.
L	1260	1270	20	0,Q,0	Bull Qtz Pod; origin uncertain; post D ₂ assumption O.K., could be syn-D ₂ or syn-D _x ; qtz rich in pyrite stringers; qtz has been deformed by deformation i.e. D ₂ or post-D ₂ .

Lithologic Log

Core	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	1,270	1,316	2,1	2,A,0	as unit 19 ; w/ less total sulfides & silica ; mod. more graphitic core is strongly crenulated and folded and blocky, laminarily banded
L	1,316	1,395	2,2	1,D,4	Carbonaceous version of white mica envelope, of q sericite/muscovite ; siliceous ; pyritic ; garnetiferous ; suspected for base metal sulfides musc >> bio schist ; andalusite absent ; thinly banded core is broken and/or blocky, lt cream-grey
L	1,395	1,470	2,3	1,D,0	Musc-Bio-Garnet Schist where musc > bio ; wkly siliceous ; no-andalusite ; approaching transition zone lithology ; contains graphitic clasts and bands ; well banded ; finely x-line, lt beige grey w/rust red bio bands
L	1,470	1,500	2,4	1,D,4	as unit 22 ; NOT true white mica envelope lithology -- but has been noted before in Zone 20c margin, musc > bio schist
L	1,500	1,558	2,5	1,D,0	as unit 23 ; musc > bio schist ; garnetiferous strongly ; weakly pyritic, non andalusite bearing.
L	1,558	1,575	2,6	1,D,0	Zone of Gouge, Breccia and broken core. Composition as units 23/25 w/ occasional siliceous interband
L	1,575	1,834	2,7	1,D,0	as units 23 and 25 ; musc now \geq bio schist ; suggestion of andalusite returning and garnets becoming variable and fewer in numbers ; bull qtz veins/stingers @ 172 & 178.5' ; very interesting structure
L	1,834	1,890	2,8	1,D,0	Gouge, Breccia and broken core
L	1,890	2,020	2,9	1,S,0	banding thinning ; possible transition zone, andalusite reappears ; garnets scarce ; bio now \geq musc schist ; siliceous and qtz ophiathic elements not really present ; as top of 67-21

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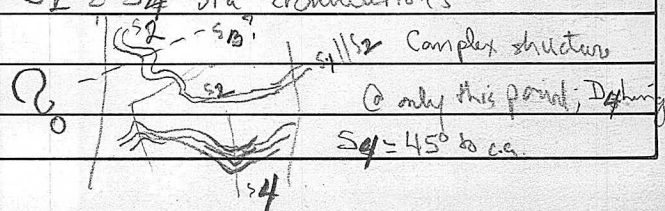
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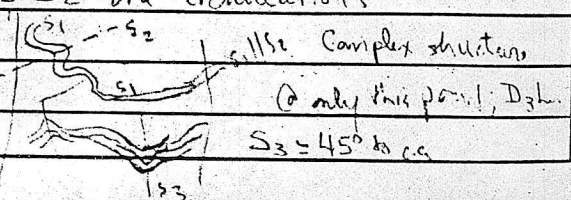
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Code	From		To		Feature	S ₁ Dip	S ₁ Direct.	S ₂ Dip		S ₂ Direct.	Description
	10	14	16	20				22	24		
S				27	6	P.S.2			55	210	
S				31	0	P.S.2			60	210	
S				38	0	P.S.2			60	210	
S				42	5	P.S.2			55	210	
S				46	0	P.S.2			45	210	
S				46	8	P.S.2			50	210	
S				48	0	P.S.2			45	210	
S				49	5	P.S.2			45	210	
S				50	1	P.S.2			45	210	
S				52	0	P.S.2			55	210	
S				54	0	P.S.2			65	210	
S	54	2		55	8	W					Rubbery Core → Poor Recovery <i>should be in lith. log</i>
S				56	5	P.S.2			55	210	
S				57	0	P.S.2			55	210	
S	57	0		85	0	W					Fracture Zone w/recovery less than 50% <i>should be blocky, broken and gouged core. in lith log</i>
S				68	0	P.S.2			60	210	
S				72	0	P.S.2			55	210	
S				76	0	P.S.2			50	210	Very good porphyroblastic fabric.
S				76	5	P.S.2			60	210	Absent change in S ₂ due to fault nature
S	77	0		85	0	B					Inipient fracture breccia, marks contact w/sulfides as schist slips directly into, <i>the massive sulfide unit</i> <i>should be in lith log</i>
S				94	0	P.S.2			65	210	Compositional Banding of Py vs Ba.
S	97	5		98	0	B					Sulfide healed quartz fracture breccia.
S				108	7	S ₀	70	210	70	210	Possible compositional banding in an initial stage of development; compbanding to core axis = 70°. S ₀ ≈ S ₁ ≈ S ₂
S				116	5	R.S.1	80	210	80	210	S ₁ ≈ S ₂ ≈ S ₀ ; faint, reflect F ₁ rootless fold
S	119	0		120	0	B					Fault Zone - gouge & Breccia
S				120	5	C.S.4			85	210	S ₁ S ₂ ; (S ₄) = 20° to c.a. X-cutting S ₂ & S ₄ via crenulations
S				121	5	C.S.4					<i>Complex structures @ only this point; Defining S₄ = 45° to c.a.</i>



Code	From	To	Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
	10 14 16 20 22 24 26 28			32 34 38		
S		1,220	C S ₄		7,0 2,10	$S_4 = 35^\circ$ to c.a. ← No dip line azimuth
S		1,273	C S ₂ S		8,0 2,10	80° S ₂ relict F ₂ $S_4 = 60^\circ$ if $S_{11} > S_2$ F ₄ = Z symm
S		1,335	C S ₂		7,5 2,10	
S		1,355	S S ₄		4,5 2,10	main S ₄ = 55° to c.a. (S ₄)
S		1,410	C S ₄ Z		6,5 2,10	S ₂ = 55° to c.a. (S ₂)
S		1,475	C S ₄ Z		6,0 2,10	S ₄ = 50° to c.a.; F ₄ hinge M (3) @ 146.7 S ₂ = 60° to c.a. S ₁ lithans visible w/in S ₂ plane.
S		1,540	R S ₂	7,0 2,10	7,0 2,10	no visible S ₃ or S ₄ ; S ₂ = 70, 210
S		1,567	C S ₄ Z		7,0 2,10	- S ₂ = 70° to c.a. 70/210 S ₄ = 60° to c.a. 60/210?
S		1,570	C S ₄ Z		8,0 2,10	(S ₃ and S ₂ may possibly be S ₂ 's S ₁ respectively) S ₂ = 80° to c.a. as above S ₄ = 65°/210
S	1,575	1,595	W			Gauge and minor bria @ 158.6 S ₂ has been replaced by S ₂ = 45° to c.a. should be in lith log
S		1,610	C S ₄ Z			Good S ₂ overprinted by S ₄ = 60° ≈ 210° Good F ₄ fold giving Z symm.
S		1,640	C S ₄			S ₄ = 60° ≈ 210
S		1,680	C S ₄ Z			Good F ₂ fold giving Z; trend of fold axis Z 240°; continued trend of steeper S ₂ cut oblique @ shallow & overprinted by S ₄ ; S ₂ occurs as a gtz-bio-gam rich band
S		1,700	C S ₄ Z		7,0 2,10	S ₄ = 50° to c.a.; S ₂ = 72° to c.a. S ₁ element S ₂
S		1,720	C S ₄ Z		8,0 2,10	S ₁ S ₀ ≈ 80° to c.a. S ₄ = 45°
S	1,730	1,740	C S ₄ Z		6,5 2,10	Excellent & long Z over 1'; excellent S ₁ /S ₂ relationships. S ₄ = 65°

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14 16	20	22 24 26 28			Dip	Direct.	Dip	Direct.	
S			2,76		P, S, Z			55	210		
S			3,10		P, S, Z			6,0	210		
S			3,80		P, S, Z			6,0	210		
S			4,25		P, S, Z			5,5	210		
S			4,60		P, S, Z			4,5	210		
S			4,68		P, S, Z			5,0	210		
S			4,80		P, S, Z			4,5	210		
S			4,95		P, S, Z			4,5	210		
S			5,01		P, S, Z			4,5	210		
S			5,20		P, S, Z			5,5	210		
S			5,40		P, S, Z			6,5	210		
S	5,42		5,58		W ₁						Probably Core → Poor Recovery should be in lith. log
			5,65		P, S, Z			5,5	210		
			5,70		P, S, Z			5,5	210		
S	5,70		8,50		W ₁						Fracture Zone w/recovery less than 50% should be blocky, broken and gouged core. in lith log
			6,80		P, S, Z			6,0	210		
S			7,20		P, S, Z			5,5	210		
S			7,60		P, S, Z			5,0	210		Very good porphyroblastic fabric.
S			7,65		P, S, Z			6,0	210		Absolut change in S ₂ due to fault nature
S	7,70		8,50		B ₁						Insipiant fracture breccia, marks contact w/sulfides as schist slips directly into 1/e the massive sulfide unit Should be in lith log
			1,940		P, S, Z			6,5	210		
S	9,75		9,80		B ₁						Compositional Banding of Py vs Ba. Sulfide heated of zite fractures breccia.
S			1,087		S ₀	70	210	70	210		Possible compositional banding in an initial stage of development; compbanding to core axis = 70°. S ₀ = S ₁ = S ₂
S			1,165		R, S, 1	80	210	80	210		S ₁ = S ₂ = S ₀ ; faint, red F ₁ rootless fold
S	1,190		1,200		B ₁						Fault Zone - gouge + Breccia
S			1,205		C, S, 3			8,5	210		S ₁ S ₂ ; (S ₂) = 20° to c.a. X-cutting of S ₁ ⊥ S ₂ via crenulations
			1,215		C, S, 3						<p>S₁ - S₂ S₃ = 45° to c.a. Complex structures @ only this point, D₃</p>



Core Code	From		To		Feature	SYE	S ₁		S ₂		Description	
							Dip	Direct.	Dip	Direct.		
1	10	14	16	20	22	24	26	28	32	34	38	(S ₂)
S				1,2,20	C,S,3				7,0	2,1,0		S ₃ = 35° to c.a. ← No dip line azimuth
S				1,2,73	C,S,2 Z				6,0	2,1,0		80° S. relict F ₁ if S ₂ = S Z symm.
S				1,3,35	C,S,2				7,5	2,1,0		
S				1,3,55	S, S, 2				4,5	2,1,0		main S ₂ = 55° to c.a. (S ₂)
S				1,4,10	C,S,2 Z				5,5	2,1,0		S ₂ = 55° to c.a. (S ₂)
S				1,4,75	C,S,2 Z				5,0	2,1,0		S ₂ = 50° to c.a.; F ₂ hinge M (3) @ 146.7 S ₁ = 60° to c.a. S ₁ foliations visible w/in S ₂ plane.
S				1,5,40	S, S, 1			7,0	2,1,0			no visible S ₂ or S ₃ ; S ₁ =
S				1,5,67	C,S,2				6,0	2,1,0		S ₁ = 70° to c.a. S ₂ = 60° to c.a.
S				1,5,76	C,S,2 Z				6,5	2,1,0		(S ₃ and S ₂ then possible be S ₂ ; S ₁ respectively) S ₁ = 80° to c.a. as above
S	1,5,75			1,5,95	W							Good and minor b.c.a. @ 158.6 S ₂ has been replaced by S ₂ = 45° to c.a. should be in with log
S				1,6,10	C,S,2 Z				6,0	2,1,0		Good S ₁ crenulated by S ₂ Good F ₂ fold giving Z symm.
S				1,6,40	C,S,2				6,0	2,1,0		S ₁ S ₂
S				1,6,80	C,S,2 Z				6,0	2,1,0		Good F ₂ fold giving Z; trend of fold axis Z 240°; continued trend of steep S ₁ cut oblique @ shallow & and crenulated by S ₂ ; S ₁ occurs as a stz-to-gam rich lens
S				1,7,00	C,S,3 Z				5,0	2,1,0		S ₂ = 50° to c.a.; S ₁ = 72° to c.a. S ₁ element S ₂
S				1,7,20	C,S,2 Z				4,5	2,1,0		S ₁ S ₂ ≈ 80° to c.a.
S	1,7,30			1,7,40	C,S,2 Z				6,5	2,1,0		Excellent & long Z over 1'; excellent S ₁ /S ₂ relationships.

Structural Log

Code	From				To				Feature	SYM	S ₁ Dip Direct.			S ₂ Dip Direct.			Description
	10	14	16	20	22	24	26	28			32	34	38				
S				17.40				C _S ZZ				6.5	2.1	0		Good F ₂ folds and hinge	
S	17.45			17.58				C _S Z				6.5	2.1	0		Good S ₂ crenulating S ₁ ; S ₂ > S ₁	
																S ₁ > S ₂ over hinge zone	
																overall Z symm	
																returning to S ₂ > S ₁ @ 175.8	
S				17.75				C _S ZZ				6.0	2.1	0		S ₁ appears to predominate = 75° to c.a.	
																S ₂ insipiently developed;	
S				18.00				C _S ZZ				5.8	2.1	0		S ₁ = 65° to c.a.	
S				18.16				C _S Z				7.5	2.1	0		S ₂ dominant; S ₁ appears as if lens	
																possible intro of post D ₂	
S	18.32			18.92				W								Gauge, broken core & bixia	
																recovery ≈ 33%	
S				19.00				C _S ZZ				5.5	2.1	0		Good S ₂ crenulating S ₁	
																Relict anast. porphs preserve S ₁ @ ≈ 70° to c.a.	
S				19.60				C _S ZZ				6.0	2.1	0			
S				19.80				C _S ZZ				6.0	2.1	0		S ₁ = 80° to c.a. and is pervasive	
																S ₁ becomes the dominant feature @ hole's end	
S				20.10				C _S ZZ				6.0	2.1	0		S ₁ = 88° to c.a.	

Zoh

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 1967-18

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO #2

Claim: FARO ZONE #2

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 5944.6 N

16023.0 E

Elevation: 3994.4 (Mine) 3884.2 (MSL)

All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth 210.

Total Depth: 202

Purpose: SECTION 142 thru zone 2 for research

Logged by: M. A. STAMMERS

Date(s) Logged: JUNE 1976

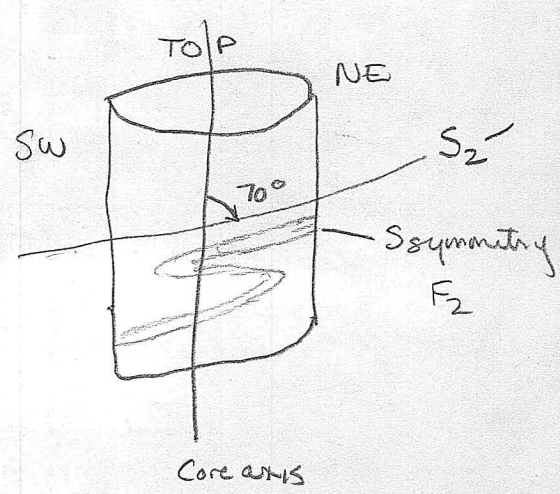
Drilling Contractor: _____

Core: Size From To Collar Cased and Capped: _____

NQ 0 202

Started: 13/5/67

Completed: 15/5/67



Lithologic Log

Code	From	To	Unit	Code	Description
L	10 14 16 20	22 23 25 27			
L	00	190	1	#	Overburden.
L	190	404	2	1D,0	Lt. brown, thinly banded, weakly to moderately porphyroblastic non-carbonaceous, bleached or kaolinitized, some garnet. core is blocky and broken, bio ≥ musc pelitic schist
L	404	480	3	1D,0	beige musc with rust red biotite bands, weakly porphyroblastic, andalusite porph. chloritized, c.f. white mica but w/ more bio + andul. musc > bio schist, (questionably) early transition zone. → 1CD4
L	480	630	4	2E,4	Fault Zone, less than 1' recovered, pebbly core over interval mixed assemblage of bull Qtz + bixiated massive sulfides, mineralization primarily pyrite w/ variable lead-zinc contents Note: Fault and adjacent bxia
L	630	725	5	1D,4	Kaolinitized White Mica Breccia; w/ky to mod bixiated strongly kaolinitized, variably pyritic, w/ky siliceous broken and rubbly core
L	725	762	6	0Q,0	Bull quartz vein, continued evidence of major fault zone as core is rubbly, quartz has vfg galena disseminated, 5-10% max recovery < 1', no contact relationships available, partially bixiated, minor pyrite.
L	762	770	7	2D,4	Galena bearing quartzite; vfg galena ~ 40% densely distributed w/in Qtzite, silver grey, weakly bixiated very weakly banded
L	770	790	8	2B,0	Qtz-musc schist/Qtzite; kaolinitized, rubbly core; unit principally a Qtzite w/ muscovite interbands, not bixiated no significant PbS/ZnS mineralization, py decreasing downwards
L	790	850	9	2B,0	(2B0) Weakly Carbonaceous Qtzite, non bixiated, variably pyritic, S ₁ to c.a., core remains broken rubbly
L	850	860	1,0	0Q,0	Enriched Bull Qtz vein; galena + pyrite rich Fault Zone: rubbly core, poor recovery, irregular contact suspected.
L	860	900	1,1	2B,0	Carbonaceous Qtzite; as 79-85, S ₁ banding ~ 45° to c.a. good banding, very rubbly core becoming blocky, essentially no sulfide mineralization
L	900	986	1,2	1D,4	as unit 5: Kaolinitized White mica breccia; Fault Zone pyrite ~ 5%
L	986	1,015	1,3	2D,0	bxia, rubbly core, < 1' recovery, net sulfides indeterminate fault zone, oxidation, true "buckshot texture" removed

Summer all
Log \$18

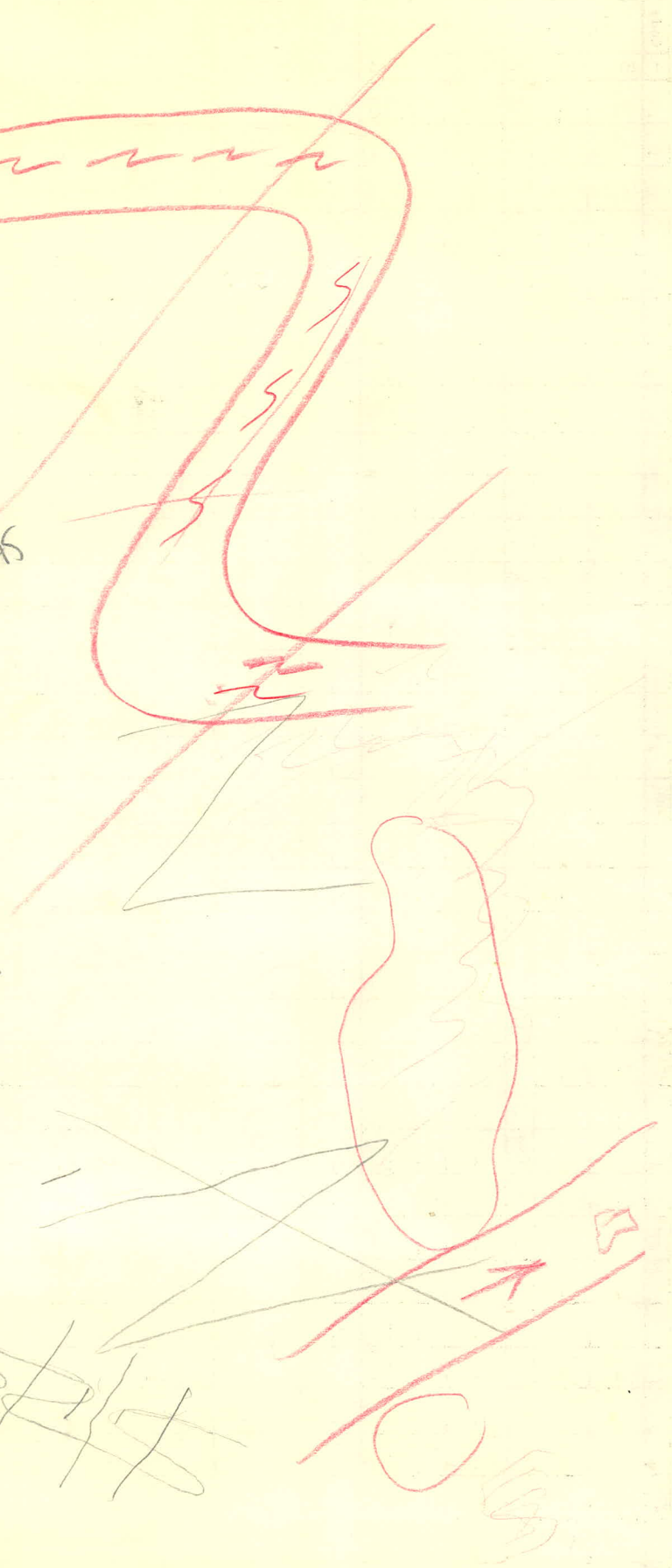
0-19
19-48

OB
KBMAS

F₁ Z

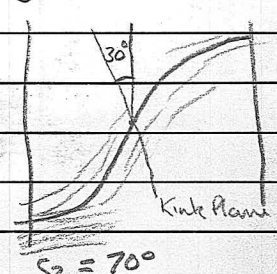

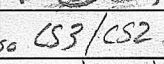
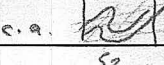
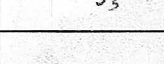
F₂ S

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Lithologic Log

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23	25 27		
L	1,015	1,030	14	1D4	Bxiated, pyritic <5%, fault zone, poor recovery as units above #5 & 12
L	1,030	1,046	15	2D0	as unit 13, poor recovery. (END FAULT ZONE BXIA) ?
L	1,046	1,066	16	2B0	thinly banded, lt. grey gtzite, low in sulfides, non bxiated
L	1,060	1,085	17	2D0	as units 13+15, becoming increasingly base metal rich
L	1,085	1,100	18	2F0	bxiated, rubbly core indicating a fault zone, gtzite frags. minor barite and siliceous components, rich in base metals & py. coarse grain "bullet hole ore"
L	1,100	1,180	19	2D0	insipently bxiated, carbonaceous py-base metal bearing gtzites 6" pod of 2F4 @ 114, combined Pb/Zn decreasing downhole
L	1,180	1,280	20	2A0	good ribbon banded gtzite, non-bxiated, med. gray
L	1,280	1,310	21	2D0	excellent base metal percentages, bxiated weakly to med
L	1,310	1,330	22	2B4	most mizing carbonates/bands, fine grain galena + sphalerite dissemin med gray white
L	1,330	1,385	23	1D4	crumbled, blocky core: basic white mica bleached siliceous envelope minor sulfides and 1x4" bull gtz vein @ 134.3
					Fault Zone
L	1,385	1,550	24	2C0	bxiated pyrite bearing gtzites, trace base metal sulfides <2% insipently to weakly bxiated overall, foliation preserved
					Fault zone, loss of core, rubble etc
L	1,550	2,010	25	1C1D	Transition Zone Schists: to 1D0
					Med Banding, rich in fspars-muscovite
					Poor biotite; andalusite and carbonaceous qualities
					Continued fault zone 155-172; rubbly core.
					Variably pyritic/siliceous

Code	From		To		Feature	E S ₁	S ₁		S ₂		Description
	10	14 16	20	22 24 26 28			Dip	Direct.	Dip	Direct.	
S			1250		CS2 Z			65	210		S ₁ Symmetry, S ₂ = CS
S			1238		CS2 Z			45	210		S ₁
S			1427		CS2 S			50	210		S ₁ = S ₂
S	1465		1730		B ₁						Crack type bxia
S			1735		CS2 Z			05	210		S ₂ suspected 0-10° to c.a. ^{post D₂ circulation} No dip S ₁ direction possible (is it really S ₁ , S ₂ ??)
S		1760	1775		B ₁						Massive sulfide / quartz bxia
S			1810		CS2 S			10	210		S ₁ = S ₂
S			1900					45	210		
S	1935		11050		B ₁						Sulfide healed quartz bxiacs
S			11055		RS1			55	210		
S	11060		11190		B ₁						
S			11103		RS1			65	210		
S			11280		RS1			80	210		F ₁ rootless folds with S ₁ axis transposed into the S ₂ plane.
S	11280		11310		B ₁						Massive sulfide healed quartz bxia
S	11380		11470		B ₁						Quartz bxia w/ minor sulfide matrix
S			11550		RS1			65	210		
S			1169		CS3 Z			75	210		75° to c.a. S ₁ , could still be S ₂
											Evidence shows 3 generations, 2 relict planar elements S ₁ / S ₂ , Z symmetry (S ₃)
S	11720		11725		W ₁						Quartz contact (?) to S ₂
S			11785		KS3			70	210		
											
S			11910		CS3 Z			70	210		S ₃ = 55 to c.a.  Z
S			11940		CS3 Z			70	210		S ₃ = 55 to c.a. also CS3/CS2  Z
S			11945		CS3 Z			70	210		Z symm S ₃ = 55° to c.a.  S ₂ Z
S			2000					70	210		S ₂  S ₃

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 1967 19

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO #2

Claim: FARO

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 6144.7 N

16,223.7 E

Elevation: 3944.2 (mine) 3834.0 (MSL)

Total Depth: 201

Purpose: SECTION 142 thru zone 2 for research

Logged by: M.A. Stammers

Date(s) Logged: June 1976

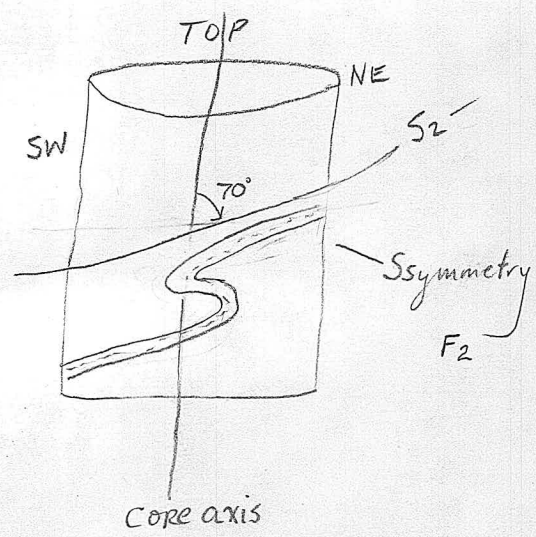
Drilling Contractor: _____

Core: Size From To Collar Cased and Capped: _____

NQ 0 202

Started: 17/5/67

Completed: 19/5/67





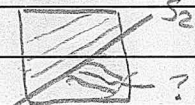
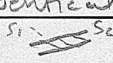

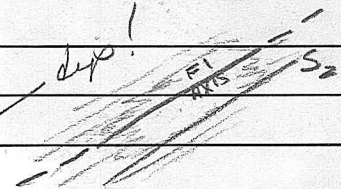
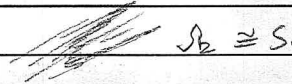



All symmetry determinations looking NW with S2 dipping SW with dip azimuth 210.

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20	22 23 25 27			
L	0 0	20 0	1	#	Overburden
L	20 0	87 0	2	1D0	typical KBMAS member, carbonaceous, porphyroblastic (mod to co.), thinly banded w/ bio > musc schist, core is generally well preserved w/ only minor fracture zones, minor bull gtz remaining, andalusite partially altered to chlorite giving a dk clotty character to the unit in parts. Occasional siliceous, pyritic and garnetiferous zones of w/ accessory mineralization.
L	87 0	90 0	3	1D0	as unit 2 with musc > bio schist; core is broken, suggesting a fracture/alteration zone.
L	90 0	114 5	4	1D0	as units 2 & 3 but w/ musc \approx bio schist, andalusite porphs reducing as schist becomes less typically the upper aluminous zone and moves compositionally into the transition zone schists. unit contains garnetiferous and chloritic sections.
L	114 5	116 3	5	1E0	a mildly graphitic version of unit 4, andalusite porphs preserved. accessory mineralization includes pyrite < 1%; and hematized biotite? in foliiform stringers, minor chlorite crystallization.
L	116 3	120 5	6	1D0	as units 2 & 4 w/ bio generally \geq musc schist; unit w/ly fractured, bull gtz pool @ 118', unit grades into underlying graphitic unit with core color darkening downhole.
L	120 5	125 7	7	1E0	as unit 5, core is moderately fractured w/ partially gouged core @ 125', this unit is more graphitic than no 5 and andalusite porphs have been virtually wiped out.
L	125 7	135 7	8	1D0	as unit 2 & 4, w/ bio \approx musc schist, unit remains in aluminous zone but w/ numerous gtz/siliceous bands. core is generally broken and blocky w/ minor gouge @ 129'.
L	135 7	136 7	9	N,N,N	Preserved Gouge Zone; indeterminate relation to core. micaceous rock floor w/ gtz pebbles.
L	136 7	157 5	10	1D0	as units 2 & 8, unit generally typical KBMAS w/ occasional siliceous bands, core is broken, strongly fractured and contains some gouge 155.5-159.7.
L	157 5	176 3	11	1CD	Transition zone schists, well banded, only w/ly carbonaceous and porphyroblastic; garnetiferous, siliceous/epothic; musc \approx bio schist; minor gouge and broken core @ 157.5-159, 173-175 & 175.5-176, chlorite present.
L	176 3	177 0	12	1D4	bleached white mica envelope very rich in gtz, ideally a transition 1D4/2B0 specimen, pyritic 2% or 2%.

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	1770	1819	13	1E,1	Thinly banded, pyritic, graphitic schist; unit approaching 2A0 ribbon banded lithology, no visible base metal sulfides, total pyrite 1-3%, this unit worth considering within ore horizon
L	1819	1830	14	1D,4	Carbonaceous variety of white mica lithology, could also be called 1D42 minor gouge and pull qtz pod @ 182.7'. Sharp contact w/ both over and underlying lithologies.
L	1830	1855	15	2A,0	Good ribbon banded graphitic-pyritic Qtzite, strongly graphitic pyrite = 5-10%; no base metal sulfides seen
L	1855	1880	16	1D,4	<u>NB</u> suggest assaying of this section of the hole downwards!! A partially gouged, siliceous alteration of the white mica envelope lithology. The boundaries of the envelope have been expanded to suit the nature of this hole. Core is broken & gouged suggesting a fault zone.
L	1880	1881	17	2A,0	as unit 15
L	1881	1898	18	2C,0	Pyrite ± Sphalerite bearing Carbonaceous Qtzite; pyrite = 5-10%; sphalerite < 1%; Close compositionally to 2B2, mottled appearance, banding is very weak, mod. to cslly x-line, sulfides disseminated. Strongly suggest an Assay for Zn-Pb-Cu.
L	1898	1915	19	0Q,0	Gouge and strongly crushed Qtz fill; rock flour appears to be of 2C0 composition as described in unit 18, Qtz has been reduced to small pyritic small fragments and makes up the majority of the unit.
L	1915	1918	20	2C,0	as unit 18 above; pyrite ≅ 5%, mottly looking
L	1918	1928	21	2A,0	a strongly graphitic, weakly siliceous, ribbon banded Qtzite; total sulfides = 5% including sphalerite and pyrite, unit gouged & faulted @ lower contact.
L	1928	1954	22	1D,4	as units 14 & 16, strongly gouged, siliceous white mica/sericitic Qtzite
L	1954	1960	23	2C,0	as units 18 & 20, pyrite 5-10%, gouge at upper contact mottled appearance w/ wk banding; oxidation ??
L	1960	2002	24	2A,0	as 21; total py + sphal = 4-5%. core is broken Please assay!
L	2002	2010	25	2C,0	Pyritic-Sphaleritic bearing, wkly carbonaceous Qtzite highest visible ZnS is in last section of core. Transition between 2C0 / 2D0, please assay & deepen hole.

2 BOH




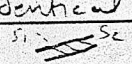

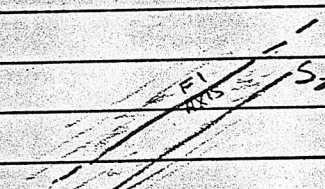
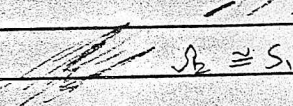



Code	From		To		Feature	F ₁ S ₁	S ₁		S ₂		Description
	10	14 16	20	22 24 26 28			Dip	Direct.	Dip	Direct.	
S			24	5	C, S, Z	Z		65	210		good S ₂ with intrablock l ₁ then structures representing S ₁ ; S ₁ > S ₂ ; S ₁
S			48	8	C, S, Z	Z		60	210		good l ₁ then structure, no true F ₂ 's symmetry difficult to obtain 
S			54	7	C, S, Z	Z		65	210		l ₁ then w/in S ₂ andalusite porphyroblast. otherwise PS ₂ 
S			63	5				65	210		possible S ₁ micas cannot tell whether post or pre D ₂ 
S			92	5	C, S, Z	Z		65	210		S ₁ seen travelling at near identical angle but in opposite direction otherwise pervasive S ₂ 
S			107	0	F, Z	Z		65	210		F ₂ fold w/ questionable symmetry I'd say S (Dane & Peter --- Z) S ₂ axial planar.
S			118	0		Z		70	210		F ₂ ? Questionable symmetry 
S			134	0	P, S, Z			65	210		
S	135	7	136	8	W						Gauge Zone
S			139	0	R, S, I			70	210		Axis of F ₁ fold \cong line of S ₂ Z 
S			145	0	R, S, I			70	210		$S_2 \cong S_1$ 
S			163	0	F, Z, S			75	210		Good F ₂ - Stage fold. S ₂ shallower. 
S			166	5	K, S, Z			80	210		Kink plane = 45° to c.a. kink probably post D ₂ 
S			177	4	F, Z			70	210		S dropping up plunge, F ₁
S			181	5	F, Z			70	210		

DDH 6.719
2 8

Cyprus Anvil Mining Corp.
Structural Log

Page 6 of 8
Logged By: MAS

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
	10	14	16	20				
S			1844	2022	RS1		80 210	axis of fold almost @ plunge of S ₂ , could be an F ₁ F ₁ and S ₂ ; otherwise good F ₂ beds w/S-symmm S ₁ transposed to S ₂
S			1890	2022	RS1		88 210	F ₂ fold axis = S ₂ possible M symmm otherwise Z
S	1900		1916		W			Gouge Zone, Qtz fragments
S			1920		CS2		78 210	S ₁ not completely transposed, structure et al is difficult to interpret due to microclining nature of rock S-symmm F ₁ fold
S	1930		1938		W			Gouge, Fault Zone
S	1950		1960		B			Breccia
S			1965		CS2		70 210	primarily S ₂ S ₁ RS1 S symmm W D ₁
S			1965		RS1		70 210	
S			1980		CS2		70 210	strang suggestion of a hinge zone
S			2000		CS2		70 210	hinge zone F ₁ S ₂ S ₁

Code	From		To		Feature	E ₂	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S				24	5	C, S, Z	Z		6, 5	2, 1, 0	good S ₂ with intrafolia lithon structures representing S ₁
S				48	8	C, S, Z	Z		6, 0	2, 1, 0	good lithon structure, no true F ₂ 's symmetry difficult to obtain 
S				54	7	C, S, Z	Z		6, 5	2, 1, 0	good S ₂ , usually no lithon between observations lithons w/in S ₂ andalusite porphyroblast. otherwise PS ₂ 
S				63	5				6, 5	2, 1, 0	possible S ₁ micas cannot tell whether post or pre D ₂ 
S				92	5	C, S, Z			6, 5	2, 1, 0	S ₁ seen travelling at near identical angle but in opposite direction otherwise pervasive S ₂ 
S				110	70	F, Z	Z		6, 5	2, 1, 0	F ₂ fold w/ questionable symmetry wd say S (Darc & Peter --- Z) S ₂ axial planar.
S				111	80				7, 0	2, 1, 0	F ₂ ? Questionable symmetry 
S				113	40	P, S, Z			6, 5	2, 1, 0	
S	13	57		13	68	W					Gouge Zone
S				13	90	R, S, I			7, 0	2, 1, 0	Axis of F ₁ fold ≈ line of S ₂ Z 
S				14	50	R, S, I			7, 0	2, 1, 0	S ₂ ≈ S ₁ 
S				15	80	F, Z, S			7, 5	2, 1, 0	Good F ₂ - Stage fold. S ₂ shallower 
S				16	65	K, S, Z			8, 0	2, 1, 0	Kink plane = 45° to c.a. Kink probably post D ₂ 
S				17	74	F, Z			7, 0	2, 1, 0	S ₂ dropping up plunge, F ₁
S				18	15	F, Z			7, 0	2, 1, 0	

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 1967 21

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO #2

Claim: FARO

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 5546.1 N

15620.8 E.

Elevation: 3914.3 (Mine) 3804.1 (MSL)

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 210.

Total Depth: 201

Purpose: SECTION 142 thru zone 2 for research

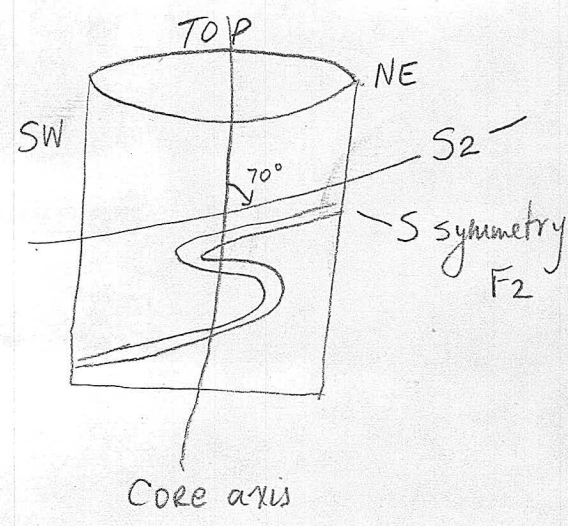
Logged by: M.A. Stammers

Date(s) Logged: June 1976

Drilling Contractor: _____

Core:	Size	From	To	Collar Cased and Capped:
NQ	0	202		

Started: 21/5/67 Completed: 23/5/67



Lithologic Log

Code	From	To	Unit	Code	Description
L	10 14	16 20	22 23	25 27	
L	010 0	24 0	1	#	Quarternary
L	24 0	72 0	2	1, D, 0	grey beige w/ rust red bio bands, thinly banded, weakly porphyroblastic weakly siliceous, bio ≠ musc schist, some garnetiferous sections, schist is not the alter's version of KBMAS; lower contact gradational w/ a transition into the underlying gteite from 70-72'; no signif. WME
L	72 0	75 0	3	2, A, 0	RB graphitic gteite, pyrite bearing, lamellarly banded; 3" siliceous biotized zone @ 74', the grey w/ little or no siliceous bands mineralization includes diss. py and sphal; combined Pb/Zn ≤ 1%
L	75 0	78 0	4	2, A, 4	RB graphitic - sulfide bearing - siliceous gteite; insipidly biotized from 76-78; good sphal-galena-pyrite; combined Pb/Zn = 5-10% irregular lamellar banding
L	78 0	87 0	5	2, F, 0	Massive Py-Ga-Sph Sulfides, finely to med xline, insipid compos. banding; combined Pb/Zn = 10-15%; Buckshot Ore ^{non-banded} (w/ po. < 1%) baritic zone = 1% @ 86-87; minor pyroblasts @ 85-7 (< 1%)
L	87 0	89 0	6	2, J, 3	Massive Pyrite-Pyroblasts (Base Metal) Sulfides; vfg matrix of py + po +/- ga +/- sph. w/ coarse secondary pyrite porphyroblasts and the occasional gteite fragment. Note the 1 st showing of pyroblasts in Zone 2, cataclastic facies
L	89 0	90 0	7	2, J, 4	banded Sphal-Gal-Py bearing gteite; very rich in base metals giving grey-purple color; whly biotized; combined Pb-Zn = 10%
L	90 0	92 2	8	2, D, 0	Severely biotized, sulfide healed gteite bxia, large angular gteite fragments set in a vfg xline py-ga-sph matrix, non-magnetic minor barite << 1%
L	92 2	92 6	9	2, F, 1	Band of buckshot ore w/ gteite frags.; med xline, good sph-ga-py., very little barite @ 1%.
L	92 6	96 0	10	2, B, 4	lt grey, banded, sulfide bearing (py-sph-ga) gteite; moderate muscovite banding, unit approaching 200 composition, some wh biotization @ 94', +/- barite
L	96 0	99 5	11	1, D, 4	siliceous, vfg xline white mica envelope, lamellarly banded, bleached pyrite-bearing (1-3%); combined lead/zinc ≈ 1%
L	99 5	101 3	12	2, D, 6	Sulfide Bearing Gteite w/ very good barite ^(10%) , sphal, gal, pyr, & +/- chalc; variably biotized otherwise banded
L	101 3	103 4	13	2, D, 0	Sulfide Bearing Gteite; insipidly biotized w/ py-sphal-gal fracture fills and diss. base metal mineralization, barite is generally absent; entire section 92.6 - 103.4 → gteites

Lithologic Log

Code	From	To	Unit	Code	Description	
1	10	14 16	20	22 23	25 27	
L	1,0,34	1,0,47	1,4	2,E,4	Massive to Brecciated Pyritic Sulfides w/ good sphal + gal. weakly siliceous; clasts include RB graphitic gteite	
L	1,0,47	1,0,54	1,5	2,A,0	Good but rubbly RB graph gteite; sphal & pyrite visibly disseminated	
L	1,0,54	1,0,60	1,6	2,B,0	dirty cream banded gteite; basically sulfide free; minor py gal-sphal (<5%); core is broken and rubbly.	
L	1,0,60	1,0,70	1,7	2,F,1	Siliceous massive sulfides ore; med xlline, graphitic banding within massive ore, siliceous blebs throughout; unit a transition into the underlying RB graphitic gteite. good visible sphal-gal-pyrite; <u>not true buckshot.</u>	
L	1,0,70	1,0,90	1,8	2,A,4	Ribben banded graphitic gteite w/ >5% combined lead/zinc base metal sulfides and >10% pyrite; sulfides occur in bands as well as disseminated thru the gteite; base metal counts as high as this w/in gteite are trees important.	
L	1,0,90	1,1,00	1,9	2,F,1	as unit 17; w/ more graphitic bands and siliceous blebs	
L	1,1,00	1,1,80	2,0	2,A,4	as unit 18; broken and rubbly core throughout interval minor brecciation towards 118' i.e. contact with the more massive sulfides Combined lead/zinc 110-115 = 7.1% 115-120 = 8.6%	
L	1,1,80	1,1,87	2,1	2,F,1	as units 17 & 19	
L	1,1,87	1,2,16	2,2	2,D,0	as unit 13; excellent sphal-pyr-bar-gal bearing, w/ky carbonaceous, banded gteite.	
L	1,2,16	1,3,00	2,3	2,A,4	Base Metal Rich R-B graphitic gteite; combined lead-zinc >5% sulfides more finely xlline and disseminated than the clear out visible banding of units 18 & 20; assay data from '67 log used for contact w/ underlying unit.	
L	1,3,00	1,3,50	2,4	2,A,0	Base Metal Poor R-B graphitic gteite, combined lead zinc 3% data and unit distinction derived from 1967 assay data.	
L	1,3,50	1,4,50	2,5	2,A,4	as unit 23 exactly; combined Pb/Zn ≥ 50%	
L	1,4,50	1,6,30	2,6	2,A,0	as unit 24; combined Pb/Zn 3%, total pyrite = 5%; lower contact gradual over 2'; siliceous rich @ 158-159	
L	1,6,30	1,6,65	2,7	1,E,1	Siliceous, graphitic schist, med gray, thinly banded, finely xlline, weakly pyritic (1%), moderately siliceous	
L	1,6,65	1,7,00	2,8	1,D,4	Good white mica envelope lithology, pyritic (3-5%), bleached, muscovite rich schist, thinly banded, some garnet.	

Lithologic Log

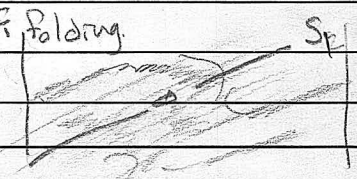
Code	From	To	Unit	Code	Description
I	10 14 16	20 22 23	25 27		
L	1,7,0 0	1,7,3 0	2,9	1,E,1	as unit 27; but less: siliceous - graphitic and more: porphyroblastic - thicker banding schist approaching KBMAS (100) lithology. pyrite: 1-5%; w/ky garnetiferous; no visible andalus.
L	1,7,3 0	1,7,5 0	3,0	1,D,4	as unit 28; but w/ introduction of wispy red brown biotite - bands; also w/ky carbonaceous - very good pyrite 5%
L	1,7,5 0	1,7,5 8	3,1	1,E,0	as units 27 & 29; good pyritic banding 5-7% - substantially less silica
L	1,7,5 8	1,7,7 5	3,2	1,D,4	as unit 30; pyrite less @ 3%
L	1,7,7 5	1,7,8 2	3,3	1,E,0	as units 31 (27+29);
L	1,7,8 2	1,7,8 6	3,4	QA,Q	Pre D ₂ bull Qtz Fcd: Biotiform to S ₂
L	1,7,8 6	1,8,0 0	3,5	1,E,0	as units 31, 33 (27+29)
L	1,8,0 0	1,8,0 8	3,6	1,D,4	as units 30 & 32; broken and blocky core
L	1,8,0 8	1,8,1 2	3,7	QA,Q	as unit 34
L	1,8,1 2	1,9,0 6	3,8	1,D,0	- silver gray musc → rust red bio schist - thickly banded, very finely xlnie sericitic musc. - w/ky porphyroblastic -- garnetiferous - generally andalusite is absent. - pyritic ≤ 1%; occasional Qtz band. - broken, brecciated and partially gouged core 184-185
L	1,9,0 6	1,9,1 2	3,9	QA,Q	as units 34 & 37
L	1,9,1 2	2,0,0 0	4,0	1,D,0	as unit 38; but less pyritic (n ≤ 1%) bull Qtz pads QAQ @ 192 (2") and @ 196 (3") broken and blocky core @ 197' (8") EOL. →

Structural Log

Logged By: Stammers

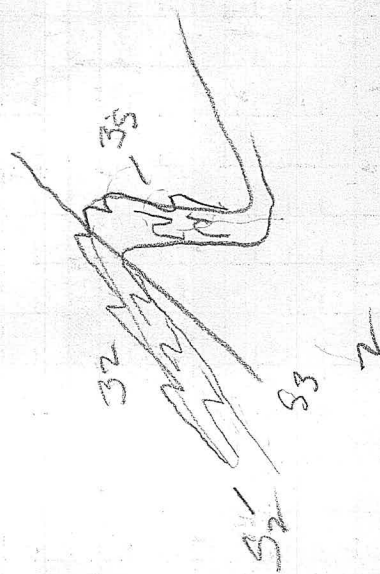
Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20	22 24			26 28	32 34	
S	24	0	50	0	P ₀ S ₂				Zone of fractured core, gouge and very poor recovery (20%); probable fault zone
S			25	0	S ₁ S ₂		65	210	S ₂ ranging from 65-75°
S			50	5	S ₁ S ₂		75	210	relict F ₂ fold; partially transposed, suspect Z sym
S			52	5	S ₁ S ₂		55	210	no sign of S ₁ , S ₂ may be steeper by adjacent fault zone
S	53	0	58	0	W ₁				Suspected fault zone due to very poor recovery Rec = 20%
S			65	0	P ₁ S ₁ S ₂		75	210	Generally pervasive S ₂ From 62-69 @ 63'
S			70	5	S ₁ S ₂		75	210	near schist - Qtzite contact
S			73	0	R ₁ S ₁		88	210	S ₁ S ₂ ; relict F ₁ folds of comp. banding S ₁ S ₂ ≈ 90° to c.a.
S	74	0	78	0	B ₁				well developed sulfide-healed Qtzite bxia 74-75 From 75-78: incipient to crackle bxiation in sulfide bearing, banded, graphic Qtzites
S	86	0	89	0	B ₁				"Cataclastic 253" por. py of xlline matrix w/ secondary py. porphs and Qtzite fragments, bxia
S	89	0	92	0	B ₁				Sulfide healed Qtzite bxia; moderately bxiated
S	92	6	96	0	B ₁				Sulfide healed Qtzite bxia; v. to mod. bxiated
S			96	5	R ₁ S ₁ S ₀		75	210	Comp. banding = S ₁ = S ₂ = 75° to c.a.
S	100	0	103	6	B ₁				variably bxiated; sulfide healed Qtzite bxia
S			106	0	R ₁ S ₁ S ₀		75	210	S ₀ = 75° to c.a. = S ₁ = S ₂
S	110	0	116	5	W ₁ ?				broken/rubby core → could just be fracture pattern of core splitting
S			118	0	R ₁ S ₁ S ₀	80	210		Good F ₁ rootless folds in comp. banding S ₀ = 70°
S			118	0	R ₁ S ₁ S ₀		80	210	Newly developed S ₁ planar fabric developing @ a shallower angle to S ₀ , ∴ S-symmetry <u>D</u>
S			119	0	R ₁ S ₁ S ₀		65	210	Comp. Banding = 65° to c.a. Generally it appears as the S ₀ changes any visual representation of S ₁ & S ₂ change as well
S			125	0	R ₁ S ₁ S ₀	60	210		Z sym in <u>D</u> foliation good F ₁ folding


7



Structural Log

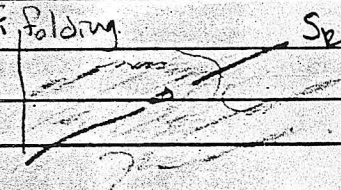
Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			1270		C.S.2S		60	210	70	210	<p>Finding D_2 fabric in RB. graph. of 27th S_2 is usually difficult $S_1 = 60^\circ$ $F_2 = S$</p>
S			1280		C.S.2S		65	210	65	210	From 128 - 163:
S			1390		C.S.2S		60	210	75	210	S characteristics of structure that repeat
S			1420		C.S.2S		65	210	80	210	① S_0 has been folded during D_2 to give F_2
S			1438		C.S.2S		40	210	80	210	M fold forms --- frequently rootless
											② Also common are lithons or small folds of S_1 intrafoliated between S_2 banding
											③ $S_2 \parallel S_1$ strongly suspect except where noted. ④ axial plane of F_2 folds $\parallel S_2$
S			1456		R.S.1		65	210	65	210	$S_2 \parallel S_1$
S			1460		C.S.2S		83	210	78	210	Diagram illustrates situation. $S_1 - 83$ $D_2 = S$
											Comp. banding has F_2 folds and has been transposed by S_2 ; S_2 (suspect) cuts thru S_1 at a steeper angle giving Z asym $S_1 \neq S_2$ dipping in same direction
											@ 139 $S_1 > S_2$ so still S thru to 143 then S_2 steepens dramatically and arcs around thru a huge zone. From 146 after $S_2 \parallel S_1$ @ 145.6; $S_2 > S_1$
											$S_2 \approx S_1$ until 152
S			1520		R.S.1		75	210	70	210	S_1 becomes barely greater than S_2 otherwise $S_2 \parallel S_1$
S			1540		R.S.0		70	210	70	210	$S_1 \parallel S_2$ with new post D_2 element to be called: D_2 F_2 S_2 L_2 at high angles to S_1 & S_0 ; appears as small accumulated folds. $S_2 = 50^\circ$ to c.a.
S			1556		R.S.1		85	210	75	210	
S			1560		R.S.1				70	210	$S_1 \parallel S_0$ but new S_2 seen @ 50° to c.a. cutting S_1 & S_0
S			1570		R.S.1				75	210	$S_1 \parallel S_2$
S			1586		R.S.1		70	210	60	210	$S_2 > S_1$ (hoping S_2 is not S_3)

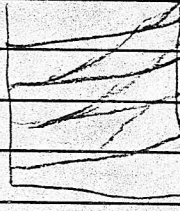





Code	From		To		Feature	S ₁ Dip	S ₁ Direct.	S ₂ Dip		S ₂ Direct.	Description
	10	14	16	20				22	24		
											 F ₁ fold oblique to the line of S ₂ Σ and plunge
S			1,640		C, S, 3	Z		80	210		insipient S ₃ ; becoming equal in effect as S ₂ in spots; S ₃ = 40° to c.a. (same direction as S ₂) S ₁ fabric assumed transposed into D ₂
S			1,655		C, S, 3	Z		75	210		F ₂ hinge; crenulated by D ₃ /S ₂ S ₃ = 45° to c.a.
S			1,700		C, S, 3	Z		65	210		Three phases of deformation S ₁ found as intrafolia lithons within S ₂ S ₂ strongest visible feature @ shallow angle S ₃ developing and crenulating S ₂ @ steep angles; S ₂ = 40° to c.a.; D ₃ has Z-symm
S			1,730		C, S, 3	Z		70	210		S ₃ = 40° to c.a.
S			1,770		C, S, 3	S		72	210		S ₂ is prevalent; S ₃ weak in (104) S ₁ has been completely transposed
S			1,820		C, S, 3	Z		75	210		S ₃ = 35° to c.a.
S			1,825		F, 2	S					good S ₁ - S ₂ - S ₃ good S-symm of 2 nd Deformation S ₁ occurs as lithons; S ₃ @ steep angle
S			1,835		C, S, 3	Z		72	210		S ₃ = 40° to c.a.; also D ₃ - Z fold Broken and rubble core from 184-190, minor breccia
S			1,905		S, 2			60	210		zone of S ₂ prevalent
S			1,940		C, S, 2			72	210		" "
S			1,955		C ² , S ² , 2	S	55	210	70	210	S ₁ = 55° to c.a.; S ₁ lithons and relict S ₁ running steeper than S ₂
S	1,965		1,980		W						Fault indicators include gouge and broken core
S	1,990		2,000		C, S, 3	Z		75	210		D ₃ - Z-folds w/ S ₃ = 35° to c.a. D ₃ has strongly transposed D ₂ end of hole

Z

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20	22 24 26 28			32	34	
S	24	0	50	0	W				Zone of fractured core, gouge and very poor recovery (20%); probable fault zone
S			25	0	S ₂		6,5	2,1,0	S ₂ ranging from 65-75°
S			51	5	S ₂		7,5	2,1,0	relict F ₂ fold; partially transposed, suspect Z _{sym}
S			52	5	S ₂		5,5	2,1,0	no sign of S ₁ , S ₂ may be steeper by adjacent fault zone
S	53	0	58	0	W				Suspected fault zone due to very poor recovery Rec = 20%
S			65	0	P, S ₂		7,5	2,1,0	Generally pervasive S ₂ from 62-69 20-63°
S			70	5	S ₂		7,5	2,1,0	near schist - Qtzite contact
S			73	0	R, S ₁		8,8	2,1,0	S ₁ S ₂ ; relict F ₁ folds of comp. banding S ₁ S ₂ ≈ 90° to c.a.
S	74	0	78	0	B ₁				well developed sulfide-healed Qtzite bxia 74-75
									From 75-78: incipient to crackle bixiation in sulfide bearing, banded, graphitic Qtzites
S	86	0	89	0	B				"Cataclastic 253" po. py of xlline matrix w/ secondary py. prisms and Qtzite fragments; bxia
S	89	0	92	0	A				Sulfide healed Qtzite bxia; moderately bixiated
S	92	6	96	0	B				Sulfide healed Qtzite bxia; w/bly to mod. bixiated
S			96	5	R, S ₀				Comp. banding = S ₁ = S ₂ = 75° to c.a.
S	1,0	00	1,0	36	B				variably bixiated; sulfide healed Qtzite bxia
S			1,0	60	R, S ₀				S ₀ = 75° to c.a. = S ₁ = S ₂
S	1,1	00	1,1	65	W?				broken/rubby core → could just be fracture pattern of core splitting
S			1,1	80	R, S ₀	8,0	2,1,0		Good F ₁ rootless folds in comp. banding S ₀ = 70°
S			1,1	80	R, S ₀				Newly developed S ₁ planar fabric developing @ a shallower angle to S ₀ , ∴ S-symmetry (D)
S			1,1	90	R, S ₀				Comp. Banding = 65° to c.a.
									Generally it appears as the S ₀ changes any visual representation of S ₁ & S ₂ change as well
S			1,2	50	R, S ₀	7,60	2,1,0		Z sym in D ₁ foliation good F ₁ folding



Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S			1270		R.S.0		7.0	21.0				 <p>S₀ Finding D₂ fabric in RB. graph. of 25' S₁ is usually difficult S₀ = 60°</p>
S			1280		P.S.0	6.5	21.0	6.5	21.0	From 128 - 163:		
S			1390		R.S.0	6.0	21.0	7.5	21.0	S characteristics of structure that repeat		
S			1420		R.S.0	6.5	21.0	8.0	21.0	① S ₀ has been folded during D ₁ to give F ₁		
S			1438		R.S.0	4.0	21.0	8.0	21.0	M fold forms --- frequently rootless		
					hinge of F ₁	S ₁ steepens				② Also common are lithons or small folds of S ₀ intrafoliate between S ₁ banding		
										③ S ₁ S ₀ structure suspect except where noted. ④ axial planes of F ₁ folds S ₀		
S			1456		R.S.0	6.5				S ₁ S ₀		
S			1460		R.S.1	28.3	21.0	7.8	21.0	diagram illustrates  situation. S ₀ - 83 D ₁ - 2 Comp. banding has F ₁ folds and has been transposed by S ₁ ; S ₁ (suspect) cuts three S ₀ at a steeper angle giving Z asym S ₀ ; S ₁ dipping in same direction.		
										① 139 S ₀ > S ₂ ∴ still < than to 143 then S ₁ steepens dramatically and arcs around thru a hinge zone. From 146 after S ₁ S ₀ @ 145.6 ; S ₂ > S ₀		
										S ₂ = S ₀ until 152		
S			1520		R.S.1	27.5	21.0	7.0	21.0	S ₀ becomes barely greater than S ₂ otherwise S ₂ S ₁		
S			1540		R.S.0	7.0	21.0	7.0	21.0	S ₁ S ₂ with new post-D ₂ element to be called: D ₃ F ₃ S ₃ L ₃ at high angles to S ₁ & S ₀ ; appears as small accumulated folds. S ₃ = 50° to c.a.		
S			1556		R.S.1	28.5	21.0	7.5	21.0			
S			1560		R.S.1			7.0	21.0	S ₁ S ₀ but new S ₂ seen @ 50° to c.a. cutting S ₁ 's S ₀		
S			1570		R.S.1			7.5	21.0	S ₁ S ₂		
S			1586		R.S.1	27.0	21.0	6.0	21.0	S ₂ > S ₁ (hoping S ₂ is not S ₃)		

Core Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20 22 24 26 28	32 34			38		
S									 F ₁ fold oblique to the line of S ₂ Z and plunge
S		1,640			C, S, 3		8,0	2,1,0	Insignificant S ₃ ; becoming equal in effect as S ₂ in spots; S ₃ = 40° to c.a. (same direction as S ₂) S ₁ fabric assumed transposed into D ₂
S		1,655			C, S, 3		7,5	2,1,0	F ₂ hinge; crenulated by D ₃ /S ₃ S ₃ = 45° to c.a.
S		1,700			C, S, 3		6,5	2,1,0	Three phases of deformation S ₁ found as intercalio lithons within S ₂ S ₂ strongest visible feature @ shallow angle S ₃ developing and crenulating S ₂ @ steep angles. S ₂ = 40° to c.a.; D ₃ has Z-sym.
S		1,730			C, S, 3		7,0	2,1,0	S ₃ = 40° to c.a.
S		1,770			C, S, 2, 5		7,2	2,1,0	S ₂ is prevalent; S ₃ weak in (104) S ₁ has been completely transposed
S		1,820			C, S, 3		7,5	2,1,0	S ₃ = 35° to c.a. good S ₁ - S ₂ - S ₃ good S-symm of 2 nd Deformation S ₁ occurs as lithons; S ₂ @ steep angle
S		1,835			C, S, 3		7,2	2,1,0	S ₃ = 40° to c.a.; also D ₃ - Z fold Broken and rubble core to from 184-190, minor breccia
S		1,905			S, 2		6,0	2,1,0	zone of S ₂ prevalent
S		1,940			S, 2		7,2	2,1,0	" "
S		1,955			C ^R , S ^S , 2, 5		7,0	2,1,0	S ₁ = 55° to c.a.; S ₁ lithons and relict S ₁ running steeper than S ₂
S	1,965	1,980			W				Fault indicators include gouge and broken core
S	1,990	2,000			C, S, 3		7,5	2,1,0	D ₃ - Z-folds w/S ₃ = 35° to c.a. D ₃ has strongly transposed D ₂ end of hole

Z

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 1967 - 23

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO #2

Claim: FARO

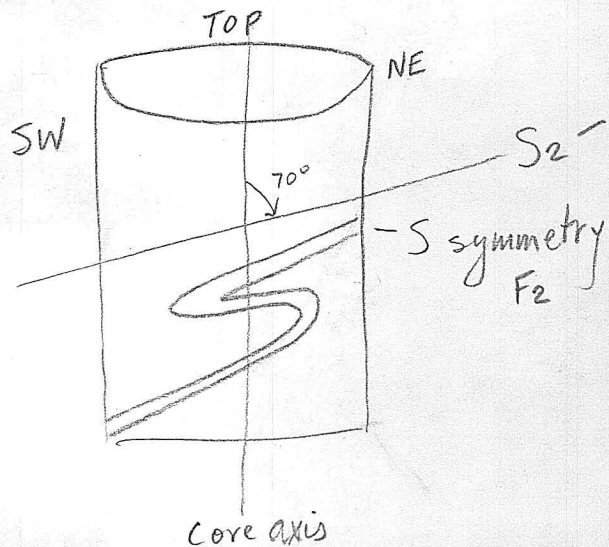
Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 5347.3 N.

15,421.9 E.

Elevation: 3899.3 (Mine) 3789.1 (MSL)



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 210.

Total Depth: 201

Purpose: SECTION 142 thru zone 2 for research

Logged by: M.A. Stammers

Date(s) Logged: June 1976

Drilling Contractor: _____

Core:	Size	From	To	Collar Cased and Capped:
<u>NQ</u>	<u>0</u>	<u>202</u>		_____
_____	_____	_____		_____
_____	_____	_____		_____

Started: 24/5/67 Completed: 25/5/67


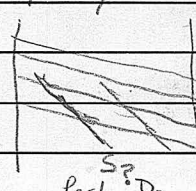
Code	From	To	Unit	Code	Description
L	10 14 16	20 22 23	25 27		
L	0 0	1 3 0	1	#	Overburden
L	1 3 0	6 4 5	2	0, E, 8	Hb-Bio-Plag Diorite w/ trace pyrite <1%, unit only w/ply bleached in 20% of core. No contact available w/schist
L	6 4 5	6 7 3	3	1, D, 0	Overall light grey, 2-fspar-hb-bio porphyritic diorite dk grey brown, thinly banded, weakly porphyroblastic, b > m schist
L	6 7 3	6 9 0	4	1, D, 1	variably altered giving an atypical ID0, core is broken and severely fractured w/minor gouge, some gtz banding, variety of ID0, may have pre D2 fracture fill origins and subsequent deformation has produced concordant banding, non-carbonaceous, should not necessarily be ID1
L	6 9 0	8 7 5	5	1, D, 0	as unit 3; core and lithology stabilizes to typical ID0 member by 72 1/2'; fractured core and gtz pods @ 69.3' & 71.3'; fractured core and main gouge w/poor recovery @ 83-86?; minor garnet, andalusite -> chloritized
L	8 7 5	9 3 5	6	1, D, 1	as unit 4, noticeably more carbonaceous, pre D2 origin suspected of gtz bands, not compositional in nature, rubble and broken core @ 88-93' also poor recovery and gouge.
L	9 3 5	9 7 0	7	1, E, 1	a thinly banded, moderately graphitic/siliceous schist andalusite preserved partially, secondary mineralization occurs in hairline fractures: 10% pyrite-hematite origin may be related to ore body formation, core is well preserved
L	9 7 0	1 1 0 5	8	1, D, 0	carbonaceous bio > musc schist, generally andalusite absent very thinly banded w/ the occasional siliceous interbands, some zones approaching IE1; numerous pre-D2 foliform gtz pods, 1" pegmatite intrusive foliform @ 104.5', trace pyrite (<1%) mineralization - NON-andalusite bearing variety of KBMAS. May be beginning transition zone.
L	1 1 0 5	1 5 4 0	9	1, D, 0	Generally a favourable zone of KBMAS; the unit is affected variably by fracturing and multi-stage alteration, therefore the unit is variably carbonaceous and porphyroblastic, andalusite porphs can be found in moderate proportions, the unit is filled w/ pre D2 gtz pods and veins up to 4" and foliform to S2; generally bio > musc schist, minor garnet, unit colour varies w/ composition lt brown to dk brown grey.

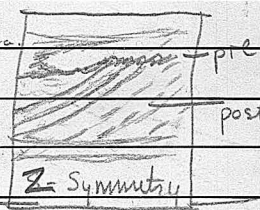
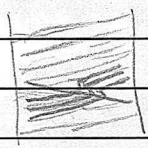
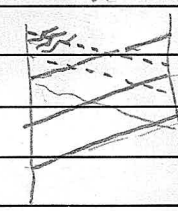
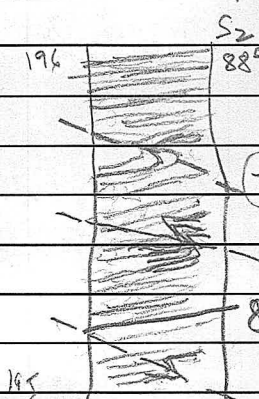

Lithologic Log

Code	From			To			Unit			Code	Description
	10	14	16	20	22	23	25	27			
L	154	0		156	0		10	1P	0	Gouge Zone; musc > bio KBMAS schist no other details available.	
L	156	0		168	0		11	1D	6	unit is thinly banded, v.f. x/line, siliceous and is characterized by dk brown-green relict andalusite clots that have been strongly altered and slightly flattened to chlorite? blebs, the unit is approaching Transition Zone lithology; this unit may be the equivalent of the White Mica envelope as musc => bio schist (comp altern: 1CD or 1DO)	
L	168	0		174	9		12	1E	0	Steel Gray gouge; strangely suspect a graphitic schist grading into a graphitic gztite, no mineralization visible.	
L	174	9		180	4		13	2E	2	Cataclastic massive sulfides, 2 ^{NDARY} growth of pyrite crystals (coarse) in a fine pyrite/massive sulfide matrix, also biotized gztite and gzt frags. -> 2E2431 combined lead zinc = 14%, biotization increasing dn hole	
L	180	4		182	4		14	2A	4	Brecciated, Sulfide Bearing, Siliceous, ribbon banded, strongly graphitic gztite; combined lead-zinc: 5-7%	
L	182	4		191	2		15	1D	1	Carbonaceous-Siliceous musc > bio schist; cf. white mica envelope w/a carbonaceous element; with andalusite present; moderate gouge @ 182.4-185 -> fault zone. + broken core, trace pyrite < 1%	
L	191	2		201	0		16	1D	0	as unit #11 but with more biotite (bio rusted), blocky and broken core @ 197 and @ 201, bull gzt pod @ hole's end. banding developing and rock becoming med. x/line, andalusite perhaps still present -> 1CD - loh -	

G

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Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20	22 24 26 28			32 34	38	
S			195	W					Fault broken rubble core of 1' zone in diorite
S			240	W					" " "
S			272	W					" " "
S			660	P, S, Z			65 2, 1, 0		S ₂ pervasive
S			770	P, S, Z			70 2, 1, 0		"
S			880	P, S, Z			70 2, 1, 0		"
S			960	P, S, Z			75 2, 1, 0		"
S			1050	C, S, Z			70 2, 1, 0		C _{S2} relict S ₁ , rhabdolia lithon structures - also trace of S ₁ may be forming a hinge zone.
S			1165	F ₂ , S			65 2, 1, 0		S ₂ /F ₂  isoclinal very tight to "F ₂ fold" apparent "S" symm. F ₂ axis subll to S ₂
S			1245	P, S, Z			75 2, 1, 0		S ₂ ; very wk BUT extremely debatable CS ₂ (S ₁) lithons @128
S			1370	P, S, Z			70 2, 1, 0		S ₂
S			1490	C, S, Z			70 2, 1, 0		Post D ₂ ie S ₂ insipiently developed @ 55° to c.a. S ₂ dominant  S ₂ Post S ₂ ? D ₂
S	1542		1560	W					Gouge Zone
S			1595	P, S, Z			70 2, 1, 0		P, S, Z w/ possible wk post D ₂ cumulations
S			1665	P, S, Z			65 2, 1, 0		
S	1677		1749	W					Gouge - MYLONITE of Graphitic origin
S	1749		1817	B					Cataclastic Brecciated Sulfides vfg massive sulfide matrix w/ Qtzite clasts and pyrite (2NDARY) porphs
S	1817		1828	B			80 2, 1, 0		R.B graphitic Qtzite; brecciated to insipiently bxiated; rocks have undergone brittle behavior -- the result being refolding (post D ₂ ?) fracturing and bxiation; fracture plane and developing S-Plane ≈ 45° to c.a. S ₂ n? S ₁ ≈ 80° to c.a.

Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14 16	20 22 24 26 28	32 34 38			Dip	Direct.	Dip	Direct.	
S	1830		1850		WB						Zone of GOUGE, BXIA, and severely fractured core.
S			1870		PS2			8.0	211.0		beginning of increase in post D ₂ crenulations at high angle to S ₂ ; during PS2, S ₁ is assumed to have been completely transposed into S ₂
S			1928		CS3/Z			8.5	211.0		flat foliation S ₂ = 85° _{to c.a.} inclined later foliation, i.e. S ₃ = 70° to c.a. maybe S ₁ and S ₂ 
S			1935		S			6.5	211.0		CS3  axis of fold ≅ plane of S ₂ but in opposite direction fold could be either F ₂ or post D ₂ crenulation - looks good
S			1949		CS3/Z			7.5	211.0		CS3  post D ₂ (80° to c.a.) S ₂ (75° to c.a.) S ₂ ≅ S _x
S			1960		CS3/Z			8.8	211.0		 S ₂ 88° (75° S _x) 80° - S ₂ 195
S			1965					7.5	211.0		75° S _x post D ₂
S			1975		F2 S			7.0	211.0		could be F ₂ or post D ₂ with S ₂ S _x 
S	1975		2020		CS3						pattern continues of post D ₂ activity

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76X18

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO, Y.T.

Claim: FARO

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 61311.7 N

16,235.8 E

Elevation: 3940.1 (Mine) 3829.9

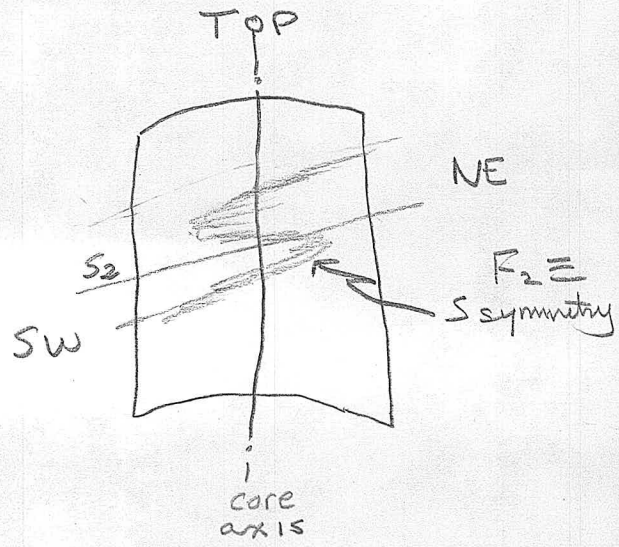
Total Depth: 554'

Purpose: Reoccupying 67-19 to check sulfide occurrence 177'-200'

Logged by: M. A. STAMMERS Date(s) Logged: JULY 1976

Drilling Contractor: ARCTIC Core: _____ Size _____ From _____ To _____ Collar Cased and Capped: 881

Core	Size	From	To
<u>N</u>			<u>554'</u>
_____			_____
_____			_____



All symmetry determinations looking NW with S2 dipping SW with dip azimuth 210.

Section 142

Started: _____ Completed: _____

Lithologic Log

Code	From	To	Unit	Code	Description	
L	10 14	16 20	22 23	25 27		
L	0 0	8 8	0	1	#	Overburden
L	8 8	0 0	1 0 5 0	2	1 D 0	unit bleached/oxidized w/ rust red bio bands; garnetiferous; andalusite poor; v. wkly pyritic, C (<1%); non-carbonaceous; buff musc => bio schist; partial 6" gouge zone @ 92.5'; interval moderately fractured rubble core @ 100.5' - 104.8' (.6' recov.)
L	1 0 5 0	1 0 7 0	3			Fault Gouge; lower contact (w) 65° to c.a.; comp: 1D0 + 0Q0
L	1 0 7 0	1 1 2 0	4	1 D 0		as unit 2; w/minor Qtz banding; broken and rubble core 110-112
L	1 1 2 0	1 1 2 6	5	0 Q 0		broken core
L	1 1 2 6	1 1 6 0	6	1 D 0		as units 2, 4; broken core 113.5-116
L	1 1 6 0	1 2 5 0	7	1 D 1		no longer bleached/oxidized; lt green tinge w/ beginning of chlorite marked increase in Qtz; mixed & attend amount of andal & garnet; pyrite sweets = 1% (and fracture fills); musc => bio schist; broken core 118-120 and 124-125; unit approaching 1D4 and 1C D
L	1 2 5 0	1 3 0 0	8			Fault Gouge & some rubble; very poor recovery; comp 1D1; upper contact 15° to c.a.
L	1 3 0 0	1 3 4 0	9	1 D 1		Musc-Qtz ± Chlor; as unit 7; increase in chlorite; less garnet/andal.; broken core over interval; bio absent; pyritic ≤ 1%; like 1C D
L	1 3 4 0	1 3 7 0	10			Fault Gouge and Broken Core; lower contact 45° to c.a.; comp 0Q0 & 1D1
L	1 3 7 0	1 3 9 0	11	1 C D		Musc-Qtz-Chlor Schist; as unit 7; chloritized andalusite pseudomorphs
L	1 3 9 0	1 4 0 6	12			Fault Gouge and Broken Core; 1 comp. 1C D - 0Q0;
L	1 4 0 6	1 4 2 5	13	1 C D		Qtz-Musc-Chlor ± Bio Schist; some bio, otherwise lt green buff musc schist w/ky pyritic < 1%
L	1 4 2 5	1 4 8 5	14			FAULT Gouge; comp 1C D + 0Q0
L	1 4 8 5	1 5 0 5	15	1 C D		as units 7+13; core highly fractured and insipidly brecciated; no bio, py = 1%
L	1 5 0 5	1 5 1 5	16			FAULT Gouge; comp 1C D
L	1 5 1 5	1 5 5 0	17	1 C D		as units 7+15; pyritic sweets 1%; Qtz-musc-chlor schist, solid core
L	1 5 5 0	1 5 6 0	18			FAULT Gouge
L	1 5 6 0	1 6 7 0	19	1 C D		Qtz-Musc-Chlor ± Bio Schist; marginal increase in biotite broken core 161.5-163
L	1 6 7 0	1 6 8 0	20			Fault Gouge and Broken Core (1C D)
L	1 6 8 0	1 7 0	21	1 C D		Bio-Qtz ± Chlor-Musc-Staur Schist; beige brown, strongly biotitic and stannitic, bio > musc schist, non-pyritic
L	1 7 0 0	1 7 1 0	22	0 Q 0		buff Qtz pod
L	1 7 1 0	1 7 4 5	23	1 C D		as unit 21; ^{staur} bio decr. downward and musc/chlor incr. downward
L	1 7 4 5	1 8 6 5	24	1 C D		Qtz-Chlor-musc-bio; non-prophyroblastic; Chlor ≈ Bio ≈ Musc Schist; broken core and minor gouge 178-181.5

Units
↑
2
7
21
24

Code	From		To		Unit	Code	Description
	10	14	16	20	22 23	25 27	
L	186	5	188	0	25		FAULT GouGE & Broken core ; comp as unit 24 minus biotite
L	188	0	189	0	26	1, C, D	Qtz-chlor-musc ± pyrite schist ; very chloritic ; pyrite < 1%
L	189	0	189	5	27		FAULT GouGE & Broken Core
L	189	5	190	8	28	1, C, D	as unit 26 ; broken core
L	190	8	191	9	29	0, Q, 0	Bull Qtz Pod refolded w/ chlorite schist bordering.
L	191	9	195	0	30	1, C, D	Qtz-chlor-musc schist w/ trace py. + bio ; broken core 194-195
L	195	0	197	0	31		FAULT GouGE & Broken Core ; Composition 0Q, 0 + 1C, D
L	197	0	197	7	32	1, C, D	Qtz Chlor-musc schist w/ trace py + bio
L	197	7	198	5	33		FAULT GouGE + Broken Core (1C, D)
L	198	5	201	0	34	1, C, D	Qtz-Chlor-musc ± bio schist ; moderately fractured and broken core
L	201	0	206	5	35	1, C, D	FAULT GouGE & INSIP. GouGING + BXIATION (1C, D)
L	206	5	207	5	36	1, C, D	Qtz Chlor-musc ± bio schist ; fractured & partially gouged core
L	207	5	209	5	37	1, C, D	INSIP. FAULT GouGE & BXIATION (Qtz-chlor-musc-bio schist)
L	209	5	210	3	38	0, Q, 0	Broken Core
L	210	3	218	8	39	1, C, D	HIGHLY FRACTURED, PARTIALLY GouGED Qtz-Musc-Chlor Bio Schist biotite varies from trace to 15% ; trace py. < 1% ; musc > bio schist
L	218	8	224	0	40		FAULT GouGE
L	224	0	229	0	41	1, C, D	FAULT GouGE & INSIP. GouGE + BXIATION Chlorite disappearing ; schist becoming Qtz-Musc in compos.
L	229	0	231	0	42	1, C, D	QTZ-MUSC schist ; 2" band of chlor blobs @ 230.4
L	231	0	243	0	43	1, C, D	as unit 42 but with gouge and broken core prevalent
L	243	0	248	2	44	1, C, D	Qtz-musc +/- chlor schist ; yellow-H-green buff, pyritic fracture fills
L	248	2	253	0	45	1, C, D	GouGE + INSIP. GouGE + BROKEN CORE ; lithology as unit 44
L	253	0	260	0	46	1, C, D	Qtz-musc-chlor schist ; as above 44 & 45 but w/ more chlorite
L	260	0	272	6	47	1, C, D	Qtz-Chlor-musc schist ; chlor > musc schist, strongly chloritic Fault Zone w/ gouge and broken core @ 263-265.5 ; ± close to to c.a.
L	272	6	284	4	48	1, C, D	+/- garnet ; Fault Zone w/ gouge and broken core @ 270-272.6' Qtz-Musc-Chlor Schist ; MUSC > chlor schist w/ altered garnets and possibly andalusite ; entire interval made up of fault gouge or broken core
L	284	4	295	4	49	1, C, D	Qtz-Chlor-bio-musc +/- Garnet Schist ; med green w/ brown bio bands ; and moderately fractured w/ minor gouge.
L	295	4	296	2	50		FAULT GouGE ; (almost to c.a.)
L	295	4	304		51	1, C, D	Qtz-Chlor > bio = musc +/- Stau Schist ; as unit 49 trace py < 1% ; fractured core @ 300-302 ; 2" w/ pegmatite @ 302.5'

24
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Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20	22 23 25 27			
					chlor ≅ musc > bio schist
L	3,040	3,046	5,2	0, A, Q	
L	3,046	3,060	5,3	1, C, D	as unit 51 QCMB schist; trace staurolite
L	3,060	3,070	5,4	I, B, S	Interbanded 1CD, OAQ and OCO (pegmatites) sequence.
					Zone of altered and broken core
L	3,070	3,126	5,5	1, C, D	as unit 51 & 53 but w/ less biotite; etc chlor > musc > bio schist possible trace staur and andalusite?
L	3,126	3,137	5,6		FAULT GouGE of unit 55
L	3,137	3,298	5,7	1, C, D	as unit 55; QCMB schist; chlorite dominant
L	3,298	3,333	5,8	1, C, D	Qtz - bio > chlor ≅ musc + garnet +/- staur schist w/ OCO pegmatite interbands (no greater than 2")
L	3,333	3,370	5,9	1, C, D	Qtz - musc ≅ chlor schist; pyritic < 1%, clear change of mineralogy Core is broken w/ some very minor gouge, v. xlline, some small pre Deformation Qtz pods
L	3,370	3,390	6,0	1, C, D	FAULT GouGE and Broken Core; musc > chlor pyritic schist fault gouge @ 15° to c.a.
L	3,390	3,414	6,1	1, C, D	Qtz - musc Schist; → ID4 WME; small dk splotches - garnet pyritic = 1%; trace chlorite, v. xlline, fspathic
L	3,414	3,420	6,2		FAULT GouGE
L	3,420	3,450	6,3	1, C, D	as unit 61 w/ increase in dk patches (garnet? andalusite? etc?) dk splotches may be fspar, Qtz/fspathic unit?
L	3,450	3,460	6,4	1, C, D	Qtz - musc - dk blotches (kaolinitized fspar) Schist; talc
L	3,460	3,538	6,5		FAULT GouGE & BROKEN CORE; lithologies interbanded as unit 63 (1CD), unit 64 (1CD) and OAO/OAQ
L	3,538	3,579	6,6	1, C, D	as unit 64; Qtz - musc - fspathic schist, pyr ≅ 1% could be Qtz/fspathic unit; broken core 354-356
L	3,579	3,601	6,7	1, C, D	as unit 64 & 66; GouGE and BROKEN CORE
L	3,601	3,653	6,8	1, C, D	as preceding 3 units 64/67/68; QMF Schist + mystery blebs beaut buff beige, good pyr ≅ 1%
L	3,653	3,780	6,9	1, C, D	exactly as unit 68 but w/ occasional biotite bands and assoc. garnet; +/- staurolite; becoming chloritic @ unit's base, good pyr ≅ 1%
L	3,780	3,830	7,0	1, C, D	QMCF schist; +/- garnet; chloritic; broken core @ 379-381.5
L	3,830	3,840	7,1	1, C, D	FAULT GouGE and BROKEN CORE; lithology as unit 70
L	3,840	3,965	7,2	1, C, D	QFMC garnet schist; lt green - buff, whly porphyroblastic; whly pyritic < 1%

49 cont.

58

59

61

70

Lithologic Log

Code	From	To	Unit	Code	Description		
I	10	14	16	20	22 23	25 27	
L	3965	3993	73	1,C,0	QF musc-schist; buff beige, trace py < 1%; non chloritic cf WME; lithology break	73	
L	3993	4002	74		FAULT GOUGE/BXIA, lithology as above		
L	4002	4011	75	1,C,0	QF musc-chlor schist; lt green buff; +? chloritized staur,	75	
L	4011	4030	76		FAULT GOUGE + BROKEN CORE; lithol: QFMIC schist		
L	4030	4080	77	1,C,0	as 75; core moderately fractured and whly gouged	78	
L	4080	4160	78	1,C,0	QF musc schist as unit 73, ± garnet	78	
L	4160	4207	79	1,C,0	QFMBC garnet schist; staurolitic, whly banded, M=B=C sch. Partial gouge and broken core @ 419-420.7'; Qtz/epidotic	79	
L	4207	4240	80	1,C,0	QFM ± garnet schist; 1/6' gouge and broken core 422-423	80	
L	4240	4350	81	1,C,0	QFMBC garnet-staur schist; as unit 79	81	
L	4350	4420	82	1,C,0	QFBCM garnet-staur schist; bio ≅ chlor > musc schist well banded, mod xlline	82	
L	4420	4540	83	1,C,0	QF ± C ± B ± M - staur ± garn schist; felsic rich, good staur weakly chloritic biotitic muscovitic; lt grey green banded, schist	83	
L	4540	4580	84	I,B,S	schist as above; interleaved by intrusives - smoky Qtz monz biotite and Qtz carbonates		
L	4580	4670	85	1,C,0	QFB ± C ± M - staur garn schist; as unit 83 but a little more biotitic; broken core 465-467 & 458-460	85	
L	467	471	86	1,C,0	QF ± M ± B ± garnet schist, as units 83 + 85	86	
L	471	472	87		FAULT GOUGE + BROKEN CORE		
L	472	4863	88	1,C,0	QFMCSchist; unit highly fractured w/ magnetite, pyrrhotite and manganese sweets occurring throughout interval	88	
					FAULT GOUGE + FRACTURED CORE @ 482-482.7 and 485-486.3	END	
L	4863	4930	89	O,F,9	porphyry fractured, gouged, biotite containing clasts of varying schists and of OFB (porphyry); biotite grades into xenoliths; unit stabilizing downhole.		
L	4930	5400	90	O,F,0	as above; solid core w/ occasional xenoliths		
L	5400	5540	91	O,F,0	Smoky Qtz Porphyry; Qtz-Orthoclase ± Toxum? porphyry		

DDH 16X1.8
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Cyprus Anvil Mining Corp.

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Structural Log

Logged By: MAS

Code	From		To		Feature	S ₁ Dip	S ₁ Direct.	S ₂ Dip		S ₂ Direct.	Description
	10	14	16	20				22	24		
S											
S											S ₂ = 60-65 S ₃ = 30-40
S				1,000	R, S, I Z			65	210		
S				1,37	C, S, H Z			55	210		S ₂ = 55 S ₄ = 35 Z symm. crenulation foliation of S ₃₅ upon S ₅₅ @ 132 Z symm (D ₂) S ₂ = 50° S ₁ = 60
S				1,55	C, S, H Z			55	210		S ₁ = 35° S ₂ = 55° Z symm.
S				1,66	F, H Z						
S				1,715	C, S, H Z			75	210		S ₂ = 75 S ₄ = 60
S	1,720			1,750	F, H Z						Series of excellent Z's F ₂ axis = 50° to c.a. ← What direction?
S				1,770	C, S, H Z			70	210		Sample taken of refractory F ₂ axial plane; Z symm.; range 45°-65°
S				1,840	F, H Z						D ₂ , F ₂ axis = 55° to c.a. S ₄ = 55
S				2,000	F, H Z						S ₄ = 48 axial plane = 45°; down plunge of S ₂ Z
S				2,300	P, S, Z S			60	210		S ₁ subll S ₂ → P, S, Z
S				2,410	F, H S						
S				2,515	F, H S			60	210		Good S symm. from 230' S ₂ subll S ₄ S ₄ = 70 diff. cult to score, with S ₂ almost S ₄
S				2,610	F, H S						Good S
S				2,750	F, H S			65	210		S ₄ = 65
S				2,980	F, H Z			70	210		S ₄ = 70
S				3,040	F, H Z						Good Z
S				3,240	F, H Z						S ₄ = 70
S				3,450	F, H Z	75	210	75	210		S ₄ = 65
S				3,750	F, H Z			80	210		
S				4,040	F, H Z			75	210		} Unknown whether these S ₂ or S ₄ - no way of telling S ₄ dipping in opposite direction to S ₂
S	4,154			4,164	F, H S						
S				4,280	F, H S			80	210		
S				4,510	F, H Z			85	210		

Code	From		To		Feature	S/V	S ₁		S ₂		Description		
	10	14	16	20			22	24	26	28		32	34
											S ₂ = 60-65 S ₃ = 30-40		
S			1,0	0	R, S, Z			6,5	2,1	0			
S			1,3	7	C, S, Z		5,5	2,1	0	3,5	2,1	S = 55 S = 35 Z symm. crenulation foliation of S ₃₅ upon S ₅₅ @ 132 Z symm (D ₂) S ₂ = 50° S ₁ = 60	
S			1,5	5	C, S, Z		5,5	2,1	0	3,5	2,1	S = 35° S = 55° Z symm	
S			1,6	6		Z							
S			1,7	15		Z	7,5	2,1	0	6,0	2,1	S ₁ = 75 S ₂ = 60	
S	1,7	2,0	1,7	50		Z						Series of excellent Z's F ₂ axis = 50° to c.a. ← What direction?	
S			1,7	70		Z		5,5	2,1	0		Sample taken of refractory F ₂ axial plane; Z symm; range 45°-65°	
S			1,8	40		Z						D ₂ , F ₂ axis = 55° to c.a.	
S			2,0	0		Z			4,8	2,1	0	S ₂ = 48 axial plane = 45°; down plunge of S ₂ Z	
S			2,3	0	P, S, Z	S			6,0	2,1	0	S ₁ subll S ₂ → PS Z	
S			2,4	10		S							
S			2,5	15		S	6,0	2,1	0	7,0	2,1	0	Good S symm. from 230' S ₁ subll S ₂ diff. cld to score, with S ₁ almost S ₂
S			2,6	10		S							Good S
S			2,7	50		S			6,5	2,1	0		
S			2,9	80		Z			7,0	2,1	0		
S			3,0	40		Z							Good Z
S			3,2	40		Z			7,0	2,1	0		
S			3,4	50		Z	7,5	2,1	0	6,5	2,1	0	
S			3,7	50		Z			8,0	2,1	0		
S			4,0	40		Z			7,5	2,1	0		
S	4,1	5,4	4,1	6,4		S							
S			4,2	80		S			8,0	2,1	0		
S			4,5	10		S			8,5	2,1	0	S ₂ dipping in opposite direction to S ₁	

DDH 76X18
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Cyprus Anvil Mining Corp.

Geochemical Log (Sampler's Copy)

Page 9 of 10Logged By: MASSampled By: M.E.

Code	From			To			Sample No.		Description
	10	14	16	20	22	27			
P	188	0		196	5		122101	UNIT 2	
P	196	5		106	0		122102	UNIT 2 RECOV. EST. - 55%	
P	106	0		116	0		122103	UNIT 2 RECOV. EST. - 95%	
P	116	0		126	0		122104	UNIT 7 RECOV. EST. - 90%	
P	126	0		136	0		122105	UNIT 7 RECOV. EST. - 50%	
P	136	0		146	0		122106	UNIT 7 EST. RECOV. - 70%	
P	146	0		156	0		122107	UNIT 7 EST. RECOV. - 100%	
P	156	0		162	0		122108	UNIT 7 EST. RECOV. - 100%	
P	162	0		168	0		122109	UNIT 7 EST. RECOV. - 100%	
P	168	0		174	5		122110	UNIT 21 EST. RECOV. - 100%	
P	174	5		184	0		122111	UNIT 24 EST. RECOV. - 100%	
P	184	0		194	0		122112	Unit 24 Est. Recov. 100%	
P	194	0		204	0		122113	Unit 24 Est. Recov. 100%	
P	204	0		209	5		122114	Unit 24 Est. Recov. 95%	
P	209	5		217	0		122115	Unit 38 Est. Rec. 95%	
P	217	0		224	0		122116	Unit 38 Est. Rec. 85%	
P	224	0		234	0		122117	Unit 41 Est. Rec. 95%	
P	234	0		244	0		122118	Unit 41 Est. Rec. 98%	
P	244	0		253	0		122119	Unit 41 Est. Rec. 100%	
P	253	0		260	0		12220	Unit 46 E.R. 95%	
P	260	0		266	0		12221	Unit 47 E.R. 100%	
P	266	0		272	5		12222	Unit 47 E.R. 100%	
P	272	5		278	0		12223	Unit 48 E.R. 100%	
P	278	0		284	4		12224	Unit 48 E.R. 100%	
P	284	4		294	0		12225	Unit 49 E.R. 100%	
P	294	0		304	0		12226	Unit 49 E.R. 100%	
P	304	0		314	0		12227	Unit 49 E.R. 100%	
P	314	0		324	0		12228	Unit 49 E.R. 100%	
P	324	0		329	8		12229	Unit 49 E.R. 100%	
P	329	8		333	3		12230	Unit 58 E.R. 100%	
P	333	3		339	0		12231	Unit 59 E.R. 100%	
P	339	0		349	0		12232	Unit 61 E.R. 100%	
P	349	0		359	0		12233	Unit 61 E.R. 100%	
P	359	0		369	0		12234	Unit 61 E.R. 100%	
P	369	0		378	0		12235	Unit 61 E.R. 95%	
P	378	0		388	0		12236	Unit 70 E.R. 100%	

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76 DS 2

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO, Y.T.

Claim: Bill

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 3,631.25 N

13,628.17 E

Elevation: 3807.97 (Mine) 3697.7 (MSL)

All symmetry determinations looking
NW with S₂ dipping
SW with dip azimuth 210.

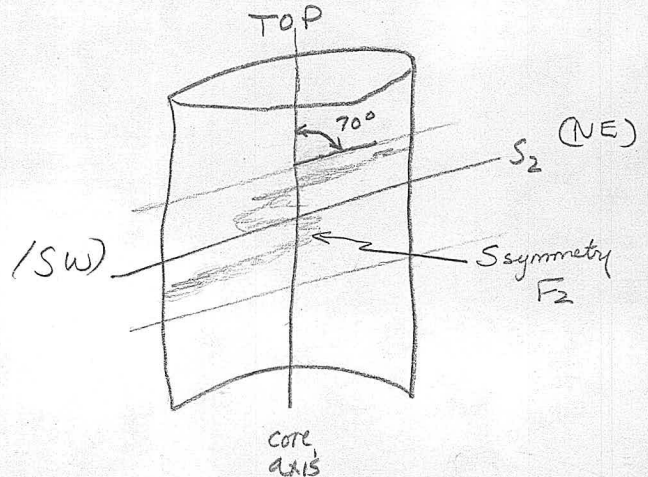
Total Depth: 1754

Purpose: Section 142, joint engineering dumpsite - exploration stratigraphy shot

Logged by: M.A. Stammers Date(s) Logged: JULY 1976

Drilling Contractor: E Carson Core: _____ Size _____ From _____ To _____ Collar Cased and Capped: 23'

Started: _____ Completed: _____



Code	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L		0	0	23	0	1	#	
L	23	0	62	0	2	1	D, P	KBMAS; typical lt grey brown, mod porphyroblastic bio \approx musc schist, wholly pyritic, foliation 6" bull gtz pod @ 38', mod xlline
L	62	0	67	5	3	1	D, 1	KBMAS; lt grey beige, mod porphyroblastic, mod xlline, musc > bio schist; numerous gtz bands
L	67	5	71	0	4	1	D, 6	Musc - Andul Schist; clots are biotite and andul; some gtz bands unit buff with med green brown porphs, unit wholly banded, cslly porphyroblastic
L	71	0	76	8	5	1	F, 8	Metabasite; finely banded (laminarly); chlorite rich; finely xlline lt grey green, non calcareous, unit grades over into schist, wholly siliceous
L	76	0	119	0	6	1	D, 0	KBMAS, as unit 2 Bull Qtz Pods @ 84.5 (0.4''); @ 86 (1.1''); @ 89 (0.4'');
L	119	0	136	6	7	1	F, D	Metabasites 1. @ 119-124 dk green-black \rightarrow biotite, - rich schist non-calcareous, laminarly banded, siliceous, 20% recovery, v. xlline 2. @ 124-136.5 med green, chlorite rich, thinly banded, mod. xlline; recovery 10%; FRUIT ZONE no doubt
L	136	5	208	0	8	1	D, 0	as units 2 & 6; cslly porphyroblastic 136.5-142 muscovite incr. downhole (ie bio \approx musc \rightarrow bio = musc); from 192' unit perceptively changing thru a transition to lower unit (ie. some chlorite; variability in andalusite; change in banding)
L	208	0	214	3	9	1	D, 5	banded KBMAS; reduced andalusite; musc = bio schist; 0.8" band of chlorit, clino-amph, epidote, biot, musc, garnet and pyrite sequence @ 212'
L	214	3	218	0	10	1	F, 0	metabasite w/ biotite bands; metabasite to bio = 80:20 ratio otherwise as unit 5; mineralogy; chlor-clino amph-bio trace calcareous
L	218	0	225	0	11	1	D, 5	as unit 8; andalusite + garnet in moderation musc \approx bio schist
L	225	0	232	4	12	1	D, 0	as units 2, 6 & 8; core is moderately fractured; no garnet
L	232	4	235	3	13	1	F, 0	as units 5 & 9; minor biotite, trace calcareous; good chlor-clino amph, wholly siliceous
L	235	3	238	5	14	1	D, 0	as units 2/6/8/11;
L	238	5	241	0	15	1	F, 8	as units 5, 9 & 12; true metabasite to 239; chlor-clino amph "schist" for remainder of unit (ie. cslly xlline, thickly banded) non-calcareous, wholly siliceous; fine specks of pyrite << 1%.

Lithologic Log

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Code	From	To	Unit	Code	Description
L	2,4,10	3,0,60	1,6	1,1D0	KBMAS - <i>likely</i> siliceous; as units 2/6/8/11/13; Variable alteration and fractured core 303-306
L	3,0,60	3,0,85	1,7		FAULT GOUGE
L	3,0,85	3,1,50	1,8	1,1D,8	KBMAS - chloritic, <i>whly</i> porphyroblastic; altered and fractured core 308.5-311; otherwise as units 2/13 & 15
L	3,1,50	3,2,20	1,9	1,1D,10	KBMAS - as units: 2...15; becoming chloritic downhole. <i>likely</i> siliceous
L	3,2,20	3,3,30	2,0	1,1F,5	Chlorite rich Metabasite; as units 5 & 14; biotitic; unit → chlorite schist; trace poly < 1%; Fault Gouge @ 322-323 and @ 325.5-326.5, non calc.
L	3,3,30	3,3,55	2,1	1,1D,5	KBMAS as units 2 & 18; med to cslly xlline, banded
L	3,3,55	3,4,10	2,2	1,1F,5	Chlorite rich metabasite; as units 5, 14, 19, siliceous, epidote bearing biotitic
L	3,4,10	3,4,50	2,3	1,1D,5	KBMAS; as units 2 & 20; andalusite porphs finely xlline, cslly porphyroblastic
L	3,4,50	3,8,10	2,4	1,1D,0	KBMAS; as units 2 & 18; musc increasing downhole
L	3,8,10	3,8,60	2,5	0,1A,0	Bull Qtz pod w/ 1D0 interbands
L	3,8,60	3,9,70	2,6	1,1D,1	KBMAS; as units 2 & 23; unit 30% bull qtz folioform minor gouge and broken core 392-394
L	3,9,70	4,1,60	2,7	1,1F,1	Interbanded Sequence of Metabasites (1F5) and Schists (1D5) 70% 1F5 & 30% 1D5; metabasite is chlor-dioctandh-epidote-bio-par- biotite while schist is bio-musc-chlor ± andul.
L	4,1,60	4,2,10	2,8	1,1D,0	KBMAS; as units 2 and 23; musc > bio schist; core partially gouged and moderately fractured (418-421)
L	4,2,10	4,3,00	2,9		Gouge ZONE; variable composition, primarily 1D0 also - 1F0, diorite fragment (80° to ca. u.c. 10.35)
L	4,3,00	4,7,15	3,0	0,1C,9	highly altered w/ xlline distant relative of SFP porphyry, w/ flow banded (?) 67° to c.a.; unit bixiated from 469-471.5 and bixiated, fractured and gouged 430-446, post D ₂ metamorphic intrusive and bixiation; quartz quenched, schist xenos, white
L	4,7,15	4,7,70	3,1		FAULT GOUGE; lithology as above
L	4,7,70	4,9,10	3,2	0,1E,9	fine gr. matrix; altered, hb-bio-plag, fractured lower contact 55° to c.a.
L	4,9,10	5,0,10	3,3	1,1C,1	Trans Zone schist; sub-aluminous, Qtz of syphic element med grey brown, mod xlline, thinly banded, <i>whly</i> porphyroblastic bio > musc schist

Eastore

STOP

start
spec

START

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	5,0,1 0	5,0,4 0	34	1,F,5	Metabasite; as units 5,14,19,21; biotite bands, banded
L	5,0,4 0	5,1,3 0	35	1,F,D	Interbanded sequence of IDS (50%) and IFS (50%)
L	5,1,3 0	5,1,9 0	36	1,C,D	Transition zone Schist; as unit 32; bio > musc schist
L	5,1,9 0	5,3,0 5	37	1,C,D	Trans. Zone Schist; as units 32 & 35 but w/ musc > bio schist moderately porphyroblastic; buff beige, w/ely banded
L	5,3,0 5	5,3,3 0	38	0,Q,0	
L	5,3,3 0	5,5,1 0	39	1,C,D	Transition Zone Schists; as units 32 & 35; minor interbands of metabasite biotite > musc schist; @ 533-535 → biotite schist;
L	5,5,1 0	5,6,8 0	4,0	1,F,5	Banded Metabasite; as units 5/14/19/21/33; pegmatite swaths @ 552-557
L	5,6,8 0	5,7,3 5	4,1	1,C,D	Trans Zone Schist; as units 32, 35 & 38; Qtz-fspathic bands gradational contacts w/ IFS
L	5,7,3 5	5,7,4 5	4,2		FAULT GOUGE
L	5,7,4 5	5,7,6 0	4,3	1,C,D	Trans Zone Schists; as units 32 & 41
L	5,7,6 0	6,0,4 7	4,4	1,F,5	Variably Banded Metabasites; as units 5,14,19,21,33 & 40; Bull Qtz Pod 599-601.5; banded becoming w/ely banded
L	6,0,4 7	6,2,1 0	4,5	1,C,D	Trans. Zone Schists; as units 32 & 43; w/ely aluminous → 100 Qtz bands; staurolite bearing
L	6,2,1 0	6,4,7 0	4,6	1,F,5	Chlor-rich banded Metabasite; as units 5 & 40, 44
L	6,4,7 0	6,4,8 0	4,7	0,A,Q	
L	6,4,8 0	6,5,8 0	4,8	1,C,D	Trans. Zone Schists; as units 32 & 45 (etc)
L	6,5,8 0	6,6,1 0	4,9	1,F,5	Chlor-rich banded Metabasite; as units 5, 44 & 46
L	6,6,1 0	6,6,4 0	5,0	1,C,D	TZS; as units 32 & 48 (etc)
L	6,6,4 0	6,6,8 0	5,1	1,F,5	C-r, B, Metabasites; as units 5 & 49 (etc)
L	6,6,8 0	6,6,9 5	5,2	1,C,D	TZS; as units 32 & 50 (etc)
L	6,6,9 5	6,7,1 5	5,3	1,F,5	C-rich, banded Metabasites; as units 5 & 51 (etc)
L	6,6,1 5	6,8,3 5	5,4	1,C,7	Qtz-fspathic - Bio Musc Schist; staurolite-bearing
L	6,8,3 5	6,8,6 0	5,5	0,A,Q	
L	6,8,6 0	8,6,1 0	5,6	1,C,7	Qtz-fspathic - Bio - Musc - Staurolite - Garnet Schist; as unit 54 med brown, banded, finely xlline staurolite (brown-yellow); bio > musc schist; Musc rich zone @ 811-813
L	8,6,1 0	9,0,6 0	5,7	1,C,0	Qtz-fspathic - Musc - Bio - Garnet - Staurolite Schist; lt beige brown c.F. unit 56 but w/ musc > bio schist; numerous bull Qtz pod w/ chloritic alteration
L	9,0,6 0	9,1,1 0	5,8	1,C,4	Bleached Qtz-fspathic - Musc - garnet schist; c.F. unit 56, but w/ porphyroblasts of garnet and +/- biotite, pyroclastic broken core

Code	From		To		Unit	Code	Description
	10	14	16	20	22 23	25 27	
L	9,1,1	5	9,2,1	5	5,9	1,C,0	Qtz-Fspathic Musc > Bio Garn-Staur Schist; as unit 57 lower contact gradual w/ musc becoming = biotite schist
L	9,2,1	5	9,6,7	0	6,0	1,C,7	Qtz-Fspathic Bio > Musc-Staur Garnet Schist; as units 54 & 56 Some muscovitic interbands, staurolite variable and sub-f garnet
L	9,6,7	0	9,7,0	5	6,1	1,F,8	Chlorite-rich Metabasite; banded, felsic, buff qtz pod 970-970.5 very lt green, alternating thick felsic bands and w/gy chlorite laminae
L	9,7,0	5	9,9,6	0	6,2	1,C,7	Qtz-Fspathic Bio = Musc-Staur-Schist; as units 54 & 60; unit variable in composition; ie. muscovitic sections, one chlor-epidote rich band @ 984 (6")
L	9,9,6	0	1,0,1,1	5	6,3	1,C,0	Qtz-Fspathic Musc > Bio Schist; partially dotted, as unit 57 and 59; becoming carbonaceous downhole, Fault Gauge 997-998 Interval variably faultfractured.
L	1,0,1,1	5	1,0,1,8	0	6,4	1,E,1	Qtz-Graphitic Schist; moderately graphitic grey to black banded schist
L	1,0,1,8	0	1,0,1,9	0	6,5	2,A,1	Graphitic, banded Qtzite; dk grey; cf ribbon banded graph qtz of Fono or horizon
L	1,0,1,9	0	1,0,2,1	0	6,6	9,A,A	
L	1,0,2,1	0	1,0,2,3	0	6,7	1,F,8	Chlorite rich Metabasite; as unit 61, but weakly banded Calcite veins/stringers
L	1,0,2,3	0	1,0,4,0	0	6,8	1,C,2	Carbonaceous Qtz-Fspathic Musc > Bio Schist; as unit 63 core is fractured and blocky; moderately carbonaceous
L	1,0,4,0	0	1,0,4,5	0	6,9	1,C,4	Banded Qtz-Fspathic-Musc Schist; as unit 58; weakly dotted, weakly carbonaceous; gauge 1040-1040.5.
L	1,0,4,5	0	1,0,5,1	5	7,0	1,C,7	Qtz-Fspathic Bio > Musc-Staur Schist; as unit 54 & 62
L	1,0,5,1	5	1,0,5,6	5	7,1	1,F,0	Metabasite; variable composition of chlorite; dens-amph, biotite and fsp; unit massive to banded; blue-green to lt green,
L	1,0,5,6	5	1,1,0,8	5	7,2	1,C,7	Qtz-Fspathic Bio > Musc-Staur Schist; as unit 54 + 70 Occasional (≅ 6") bands of muscovitic schist or metabasite variable but mostly little staurolite; Fault zone 1098-1106 w/40% recovery
L	1,1,0,8	5	1,1,1,6	3	7,3	1,C,8	Qtz-Fspathic Chlor-Musc ± Bio Schist; Staurolitic; lt green to buff; weakly banded chlor = musc > bio schist
L	1,1,1,6	3	1,1,4,0	6	7,4	1,F,0	Metabasite; as unit 71 w/variable comp. including biotite rich 100 ore foot interbands @ 1119, 1125 & 1133/1135


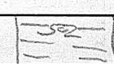
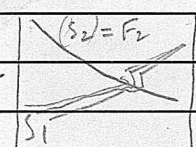
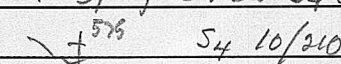
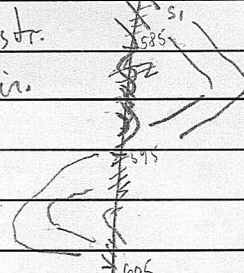
Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20	22 23 25 27			
✓	1,144,06	1,149,3	7,5	0,9	Finely x-line; flow banded, relative of the smoky of fspen porphyry as unit ³⁰ ; upper contact 55° to c.a.; lower contact → fault gouge; broken core 1148-1149.3
✓	1,149,3	1,150,8	7,6	1,C,2	Carbonaceous to Graphitic, banded, fractured QFMB schist partially gaged and altered igneous contact rock
✓	1,150,8	1,182,0	7,7	1,C,7	Qtz fspathic Bio → Musc - Staur Garnet Schist; as preceding 1C7 units Bull qtz pod 1171-1173
✓	1,182,0	1,188,0	7,8	1,C,8	Qtz fspathic Musc = Chlor → Bio ± Garnet ± Staur ± Pyrite Schist; lt green to buff; variably banded; pyritic < 1%; schist
✓	1,188,0	1,215,0	7,9	1,C,7	Typical Qtz fspathic Bio → Musc - Staur → Garnet Schist; as preceding 1C7 units;
✓	1,215,0	1,217,0	8,0	1,F,0	Typical Chlor Chlor Amph rich Metabasite; med green, massive and finely x-line
✓	1,217,0	1,348,0	8,1	1,C,7	Typical Qtz fspathic Bio → Musc - Staur → Garnet Schist; as preceding 1C7 units; Musc rich band @ 1328-1329; Metabasite band 1331-1332 Unit appears to be becoming; more biotitic and garnetiferous while less banded & less Qtz fspathic → DOWNHOLE
✓	1,348,0	1,426,3	8,2	1,C,7	Qtz fspathic Bio → Musc - Garnet → Staur Schist; poorly banded, biotite-rich; "mottly appearance"; periodic bull qtz bands; two minor intrusive bands @ 1382 and @ 1425 (qtz-fspen-rich)
	1,426,3	1,427,3	8,3		FAULT GOUGE
✓	1,427,3	1,435,0	8,4	1,C,7	Qtz-fspathic Bio → Musc - Staur - Garnet Schist; as preceding 1C7 unit, i.e. mottly; gouge 1434.5-1435; lower contact gradual, staurolite increase
✓	1,435,0	1,438,0	8,5	1,C,7	Qtz fspathic Bio → Musc - Staur Garnet Schist; as 127-1348
✓	1,438,0	1,442,0	8,6	QA,Q	
✓	1,442,0	1,596,0	8,7	1,C,7	Typical Qtz fspathic Bio Musc - Staur - Garnet Schist; as 127-1348 Rubbly core 1442-1443 and 1453-1454 Bull Qtz Vens/Pods: @ 1542-1544 and 1549-1550.5 Muscovitic: @ 1558-1559 and 1562-1563 Some staurolite bleached out zones near base of unit.
✓	1,596	1,597,0	8,8	1,C,0	Qtz-fspathic Musc → Bio Schist; contact alteration w/ skarn graphitic bands
✓	1,597,0	1,665,3	8,9	1,C,0	Silicified Marble; w/ some metabasite bands, some schists; total marble 90%; generally white-grey, white banded; unit part of skarn sequence.

NO

✓

↑
82
↓

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20	22 24 26 28			32	34 38	
\$			250		P S ₁ Z		70	210	
\$			35		F ₄ Z				F ₂ axis lies down plane of S ₂ F ₂ axis @ 190° 
\$			500		C S ₄ Z	70	70	210	S ₄ = 65
\$			755		R S ₁	70	90	000	apparent situation S ₄ = 75
\$			1005				85	210	F ₂ axis lies down plane of S ₂ 
\$			1093		F ₄ Z				please verify. S ₁ S ₂
\$			1240				80	210	S ₄ = 70
\$			1503		Z		80	210	S ₄ = 70
\$			1750				75	210	possible Z @ 177 S ₄ = 67
\$			1925		Z		80	210	
\$			2250		C S ₄ Z	75	75	210	S ₂ > S ₁ ; F ₂ - Z also seen. S ₄ = 65
\$			2360		F ₄ Z				
\$			2570		C S ₄ Z	80	80	210	S ₄ = 60
\$	2460		2560		W				FAULT ZONE; broken/blochy core; recovery: 30%
\$			2745		C S ₄ Z	88	88	210	S ₂ axial. S ₁ S ₄ = 70
\$			3000				70	210	Symm. N/A. suspected Z
\$	393		3110		W				FAULT ZONE
\$			3290		P S ₁ Z		75	210	
\$			3540		C S ₄ Z	75	75	210	S ₄ = 65, 205 
\$			3740		C S ₄ Z	80	80	210	Insip S ₂ S ₄ = 60
\$			4000		C S ₄ Z	80	80	210	Insip S ₂ S ₄ = 60
\$			5000		C S ₄ Z		85	210	Insip S ₂ S ₄ = 70
\$			528		C S ₄ Z		65	210	Insip S ₂ S ₄ = 60
\$			550		C S ₄ Z		80	210	Zone of steep S ₁ @ 525-555 (S?) S ₄ = 70
\$			575		C S ₄ Z		80	030	Zone of Z symm (at least) 570-576 S ₂ dips in opp dir. to S ₁ ; Z F ₂ 's S ₄ = 60/20
\$	5860		5900		C S ₄ Z		70	030	as above. 
\$			6000		C S ₄ Z		80	210	S ₄ = 70
\$	5750		6050		C S ₄ Z		70	030	Gross Z see illustr. 
\$			6300		C S ₁ Z		70	210	Steeper in opp dir.
\$			6540		C S ₁ Z	85	85	210	S ₄ = 68
\$			6765		C S ₁ Z	70	70	210	S ₄ = 60

DDH 7.6.D.5.2
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Cyprus Anvil Mining Corp.
Structural Log

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Logged By: MAS


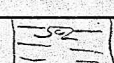
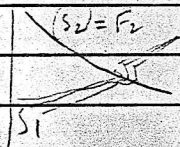

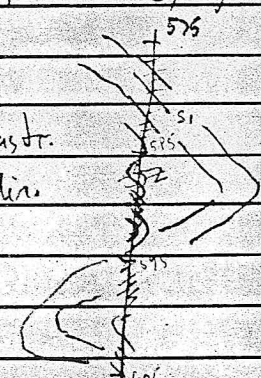
Code	From		To		Feature	E S	S ₁		S ₂		Description	
	Dip	Direct.	Dip	Direct.			Dip	Direct.	Dip	Direct.		
	10	14	16	20	22	24	26	28	32	34	38	
\$				7,000	ES	4Z			80	210		S ₄ = 60
\$				7,270	LS	4Z			85	210		S ₄ = 65
\$				7,500	LS	4Z			80	210		F ₂ 's S ₄ = 65
\$				7,735	GS	4Z			80	210		S ₄ = 75
\$				8,005	LS	4Z			80	210		S ₄ = 70
\$				8,250	LS	4Z			80	210		S ₄ = 65
\$				8,500	F	4Z			80	210		Zone of good folds, steep S ₁ 836 → S ₄ = 80
\$				8,750	F	4Z			70			= 75
\$				9,010	F	4Z			80	210		S ₂ very flat. S ₁ S ₂ = 80
\$				9,265	F	4Z			65			= 65
\$				9,520	F	4Z			80			= 80
\$				9,760	F	4Z			65			= 65
\$				10,010	F	4Z			70			= 70
\$	10,114			10,170	F	4Z						Good F ₂ Z's = 75
\$				10,240	F	4Z						Fractured Core; Symmetry questionable = 65
\$				10,480	F	4Z			85			= 85
\$				10,770	F	4Z			70			= 70
\$				11,000	F	4Z			75			(Fault zone @ 1098-1106) = 65
\$				11,250	F	4Z			55	210		= 65

DDH 1.6 DS2
2 8

Cyprus Anvil Mining Corp.
Structural Log

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Logged By: MAS

Code	From		To		Feature	E S	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
				22	CS#2			70	210		S ₄ = 70
				24	CS#2			70	210		= 70
				26	CS#2			65	210	excellent F ₂	= 65
				28	CS#2			65	210		= 60
				30	CS#2			70	210		= 70
				32	CS#2			75	210		= 75
				34	CS#2			80	210		= 80
				36	CS#2			70	210	?	= 60
				38	CS#2			75	210	?	= 75
					CS#2			70	210	OK	= 70
					CS#2			75	210		= 75
					CS#2			70	210	? wh	= 70
					CS#2			75	210	? wh	= 75
					CS#2			70	210		= 70
					CS#2			75	210	?	= 80
					CS#2			70	210	OK	= 70
					CS#2			75	210	?	= 65
					CS#2			70	210	?	= 70
					CS#2			75	210	?	= 75
					CS#2			70	210	OK	= 70
					CS#2			75	210	?	= 65
					CS#2			70	210	✓	= 70
					CS#2			70	210	✓	= 70
					CS#2			70	210		= 70

Elev	From		To		Feature	E S ₁	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
S				250	P, S, Z			70	210		
S				35	F, Z						F ₂ axis lies down plane of S ₂ F ₂ axis @ 190° 
S				500	R, S, Z	70		65	210		
S				755	R, S, Z	90		75	210		apparent situation
S				1005				85	210		F ₂ axis lies down plane of S ₂ 
S				1093		Z					please verify. S ₁ S ₂
S				1240				70	210		
S				1503		Z		70	210		
S				1750				67	210		possible Z @ 177
S				1925		Z		80	210		
S				2250		Z	75	65	210		S ₂ > S ₁ ; F ₂ - Z also seen.
S				2360	F, Z	Z					
S				2570	R, S, Z	80		60	210		
S	2460			2560	W						FAULT ZONE; broken/bloody core; recovery: 30%
S				2745	C, S, Z	88		70	210		S ₂ control. S ₁
S				3000				70	210		Symmm. N/A. suspected Z
S	303			3110	W						FAULT ZONE
S				3290	P, S, Z			75	210		
S				3540		Z	75	215	65	210	
S				3740		Z	80	60	210		Insp S ₂
S				4000	C, S, Z	80		60	210		Insp S ₂
S				5000	C, S, Z	85		70	210		Insp S ₂
S				528	C, S, Z	65		60	210		Insp S ₂
S				550	C, S, Z	80		70	210		Zone of steep S ₁ / S ₂ (525-555 (S?))
S				575	C, S, Z	60		80	210		Zone of Z symm (at least) 570-576
											S ₂ dips in opp dir. to S ₁ ; Z F ₂ 's
S	5860			5900	C, S, Z	10	F, Z	70	210		as above.
S				6000	C, S, Z	80	F, Z	70	210		
S	5750			6050		Z	V	70	210		Gross Z see illustr. 
S				6300	C, S, Z	Z		70	210		Steeper in opp dir.
S				6540	C, S, Z	85		68	210		
S				6765	C, S, Z	70		60	210		

Code	From		To		Sample No.		Description
	10	14	16	20	22	27	
P	123	0	133	0	120103		Unit 2. E.R. 85%
P	133	0	143	0	120104		Unit 2 E.R. 90%
P	143	0	153	0	120105		Unit 2 " 100%
P	153	0	162	0	120106		Unit 2 " 100%
P	162	0	167	5	120107		Unit 3 " 100%
P	167	5	171	0	120108		Unit 4 " 100%
P	171	0	176	0	120109		Unit 5 " 100%
P	176	0	186	0	120110		Unit 6 " 100%
P	186	0	196	0	120111		Unit 6 " 100%
P	196	0	106	0	120112		Unit 6 " 100%
P	106	0	113	0	120113		Unit 6 " 100%
P	113	0	119	0	120114		Unit 6 " 100%
P	119	0	136	5	120115		Unit 7 " 10-20%
P	136	5	146	0	120116		Unit 8 " 100%
P	146	0	156	0	120117		Unit 8 " 100%
P	156	0	166	0	120118		Unit 8 " 100%
P	166	0	176	0	120119		Unit 8 " 100%
P	176	0	186	0	120120		Unit 8 " 100%
P	186	0	196	0	120121		Unit 8 " 100%
P	196	0	202	0	120122		Unit 8 " 100%
P	202	0	208	0	120123		Unit 8 " 100%
P	208	0	214	3	120124		Unit 9 " 100%
P	214	3	218	0	120125		Unit 10 " 100%
P	218	0	225	0	120126		Unit 11 " 100%
P	225	0	232	4	120127		Unit 12 " 100%
P	232	4	233	3	120128		Unit 13 " 100%
P	233	3	238	5	120129		Unit 14 " 100%
P	238	5	241	0	120130		Unit 15 " 100%
P	241	0	251	0	120131		Unit 16 " 100%
P	251	0	261	0	120132		Unit 16 " 70%
P	261	0	271	0	120133		Unit 16 " 100%
P	271	0	281	0	120134		Unit 16 " 100%
P	281	0	291	0	120135		Unit 16 " 100%
P	291	0	300	0	120136		Unit 16 " 90%
P	300	0	308	5	120137		Unit 16-17 " 95%
P	308	5	315	0	120138		Unit 18 " 100%

Core	From		To		Sample No.		Description
	10	14	16	20	22	27	
P	3150		3220		20139		Unit 19 E.R. 100%
P	3220		3280		20140		Unit 20 " 95%
P	3280		3330		2041		Unit 20 " 100%
P	3330		3355		20142		Unit 21 " 100%
P	3355		3410		2043		Unit 22 " 100%
P	3410		3450		2044		Unit 23 " 100%
P	3450		3550		2045		Unit 24 " 100%
P	3550		3650		2046		Unit 24 " 100%
P	3650		3750		2047		Unit 24 " 100%
P	3750		3810		2048		Unit 24 " 100%
P	3810		3860		2049		Unit 25 " 100%
P	3860		3910		2050		Unit 26 " 100%
P	3910		3970		2051		Unit 26 " 85%
P	3970		4060		2052		Unit 27 " 100%
P	4060		4160		2053		Unit 27 " 100%
P	4160		4210		2054		Unit 28 " 100%
P	4210		4300		2055		Unit 29 " 100%
P	4300		5010		2056		Unit 33 " 100%
P	5010		5040		2057		Unit 34 " 90%
P	5040		5130		2058		Unit 35 " 100%
P	5130		5190		2059		Unit 36 " 100%
P	5190		5250		2060		Unit 37 " 100%
P	5250		5305		2061		Unit 37 " 100%
P	5305		5330		2062		Unit 38 " 100%
P	5330		5430		2063		Unit 39 " 100%
P	5430		5510		2064		Unit 39 " 100%
P	5510		5610		2065		Unit 40 " 100%
P	5610		5680		2066		Unit 40 " 100%
P	5680		5745		2067		Units 41 & 42 " 100%
P	5745		5760		2068		Unit 42 " 100%
P	5760		5860		2069		Unit 44 " 100%
P	5860		5960		2070		Unit 44 " 100%
P	5960		6047		2071		Unit 44 " 100%
P	6047		6140		2072		Unit 45 " 100%
P	6140		6210		2073		Unit 45 " 100%
P	6210		6310		2074		Unit 46 " 100%

DDH 96D52
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Cyprus Anvil Mining Corp.

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Geochemical Log (Sampler's Copy)

Logged By: MAS

Sampled By: ME

Code	From		To		Sample No.		Description
	10	14	16	20	22	27	
P	6310		6410		2075		Unit 46 E.R. 100%
P	6410		6480		2076		Unit 46 " 100%
P	6480		6580		2077		Unit 48 " 100%
P	6580		6610		2078		Unit 49 " 100%
P	6610		6640		2079		Unit 50 " 100%
P	6640		6680		2080		Unit 51 " 100%
P	6680		6695		2081		Unit 52 " 100%
P	6695		6715		2082		Unit 53 " 100%
P	6715		6775		2083		Unit 54 " 100%
P	6775		6835		2084		Unit 54 " 100%
P	6835		6860		2085		Unit 55 " 100%
P	6860		6960		2086		Unit 56 " 100%
P	6960		7060		2087		Unit 56 " 100%
P	7060		7160		2088		Unit 56 " 100%
P	7160		7260		2089		Unit 56 " 100%
P	7260		7360		2090		Unit 56 " 100%
P	7360		7460		2091		Unit 56 " 100%
P	7460		7560		2092		Unit 56 " 100%
P	7560		7650		2093		Unit 56 " 95%
P	7650		7750		2094		Unit 56 " 100%
P	7750		7850		2095		Unit 56 " 100%
P	7850		7950		2096		Unit 56 " 100%
P	7950		8050		2097		Unit 56 " 100%
P	8050		8150		2098		Unit 56 " 100%
P	8150		8250		2099		Unit 56 " 100%
P	8250		8350		2100		Unit 56 " 100%
P	8350		8450		2101		Unit 56 " 100%
P	8450		8550		2102		Unit 56 " 100%
P	8550		8610		2103		Unit 56 " 100%
P	8610		8710		2104		Unit 57 " 100%
P	8710		8810		2105		Unit 57 " 100%
P	8810		8910		2106		Unit 57 " 100%
P	8910		8980		2107		Unit 57 " 100%
P	8980		9060		2108		Unit 57 " 100%
P	9060		9115		2109		Unit 58 " 100%
P	9115		9215		2110		Unit 59 " 100%

Code	From		To		Sample No.		Description
	10	14	16	20	22	27	
P	9,21	5	9,31	0	1,21,11	1	Unit 60 EIR 100%
P	9,31	0	9,41	0	1,21,12	2	Unit 60 " 100%
P	9,41	0	9,51	0	1,21,13	3	Unit 60 " 100%
P	9,51	0	9,59	0	1,21,14	4	Unit 60 " 100%
P	9,59	0	9,67	0	1,21,15	5	Unit 60 " 100%
P	9,67	0	9,70	5	1,21,16	6	Unit 61 " 100%
P	9,70	5	9,80	0	1,21,17	7	Unit 62 " 100%
P	9,80	0	9,88	0	1,21,18	8	Unit 62 " 100%
P	9,88	0	9,96	0	1,21,19	9	Unit 62 " 100%
P	9,96	0	10,06	0	1,21,20	10	Unit 63 " 100%
P	10,06	0	10,11	5	1,21,21	11	Unit 63 " 100%
P	10,11	5	10,18	0	1,21,22	12	Unit 64 " 100%
P	10,18	0	10,19	0	1,21,23	13	Unit 65 " 100%
P	10,19	0	10,21	0	1,21,24	14	Unit 66 " 100%
P	10,21	0	10,28	0	1,21,25	15	Unit 67 " 100%
P	10,28	0	10,33	0	1,21,26	16	Unit 68 " 45%
P	10,33	0	10,40	0	1,21,27	17	Unit 68 " 100%
P	10,40	0	10,45	0	1,21,28	18	Unit 69 " 100%
P	10,45	0	10,51	5	1,21,29	19	Unit 70 " 100%
P	10,51	5	10,56	5	1,21,30	20	Unit 71 " 90%
P	10,56	5	10,66	0	1,21,31	21	Unit 72 " 100%
P	10,66	0	10,76	0	1,21,32	22	Unit 72 " 100%
P	10,76	0	10,86	0	1,21,33	23	Unit 72 " 100%
P	10,86	0	10,96	0	1,21,34	24	Unit 72 " 100%
P	10,96	0	11,08	5	1,21,35	25	Unit 72 " 60%
P	11,08	5	11,16	3	1,21,36	26	Unit 73 " 100%
P	11,16	3	11,26	0	1,21,37	27	Unit 74 " 100%
P	11,26	0	11,33	0	1,21,38	28	Unit 74 " 100%
P	11,33	0	11,46	6	1,21,39	29	Unit 74 " 100%
P	11,46	6	11,50	8	1,21,40	30	Unit 76 " 100%
P	11,50	8	11,60	0	1,21,41	31	Unit 77 " 100%
P	11,60	0	11,70	0	1,21,42	32	Unit 77 " 100%
P	11,70	0	11,76	0	1,21,43	33	Unit 77 " 100%
P	11,76	0	11,82	0	1,21,44	34	Unit 77 " 100%
P	11,82	0	11,88	0	1,21,45	35	Unit 78 " 100%
P	11,88	0	11,88	0	1,21,46	36	Unit 79 " 100%

DDH 7, 6, 0, 5, 2
2 8

Cyprus Anvil Mining Corp.

Geochemical Log (Sampler's Copy)

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 Logged By: MAS
 Sampled By: ME

Code	From	To	Sample No.	Description		
I	10	14	16	20	22	27
P	11880	11980		12146	Unit 79	E.R. 100%
P	11980	12080		12147	Unit 79	" 100%
P	12080	12150		12148	Unit 79	" 100%
P	12150	12170		12149	Unit 80	" 100%
P	12170	12270		12150	Unit 81	" 100%
P	12270	12370		12151	Unit 81	" 100%
P	12370	12470		12152	Unit 81	" 100%
P	12470	12570		12153	Unit 81	" 100%
P	12570	12670		12154	Unit 81	" 100%
P	12670	12770		12155	Unit 81	" 100%
P	12770	12870		12156	Unit 81	" 100%
P	12870	12970		12157	Unit 81	" 100%
P	12970	13070		12158	Unit 81	" 100%
P	13070	13170		12159	Unit 81	" 100%
P	13170	13270		12160	Unit 81	" 100%
P	13270	13370		12161	Unit 81	" 100%
P	13370	13480		12162	Unit 81	" 100%
P	13480	13580		12163	Unit 82	" 100%
P	13580	13680		12164	Unit 82	" 100%
P	13680	13780		12165	Unit 82	" 100%
P	13780	13880		12166	Unit 82	" 100%
P	13880	13980		12167	Unit 82	" 100%
P	13980	14080		12168	Unit 82	" 100%
P	14080	14180		12169	Unit 82	" 100%
P	14180	14273		12170	Unit 82	" 100%
P	14273	14350		12171	Unit 84	" 100%
P	14350	14380		12172	Unit 85	" 100%
P	14380	14420		12173	Unit 86	" 100%
P	14420	14520		12174	Unit 87	" 100%
P	14520	14620		12175	Unit 87	" 100%
P	14620	146720		12176	Unit 87	" 100%
P	14720	14820		12177	Unit 87	" 100%
P	14820	14920		12178	Unit 87	" 100%
P	14920	15020		12179	Unit 87	" 100%
P	15020	15120		12180	Unit 87	" 100%
P	15120	15220		12181	Unit 87	" 100%

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76 DS 3

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO, Y.T.

Claim: FARO

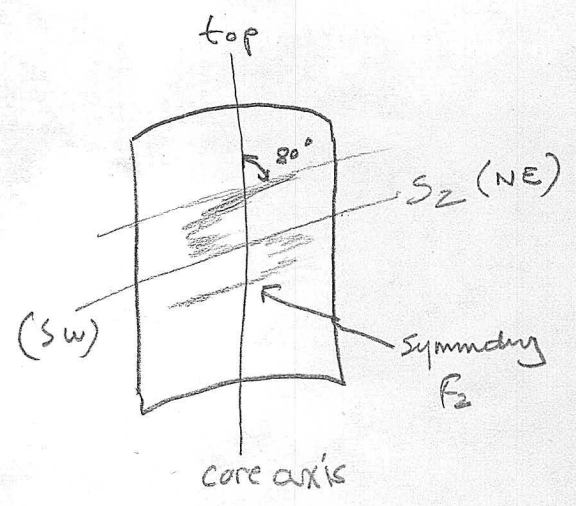
Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 4,518 N
(Orthophoto)

14,444 E

Elevation: 3725 (MSL)



All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth 210.

Total Depth: 123 incomplete due to strike

Purpose: Section 142; joint engineering dumpsite - exploration strat shot.

Logged by: M.A. Stammers

Date(s) Logged: JULY 1976

Drilling Contractor: E. Canon

Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	<u>35'</u>
_____	_____	_____	_____	
_____	_____	_____	_____	

Started: _____ Completed: _____

Lithologic Log

Code	From		To		Unit		Code	Description
	10	14	16	20	22 23	25 27		
L		00	350		1	#		Overburden
L	350		1330		2	1, D, 0		Typical KBMAS; unit med grey, med. carbonaceous bio-musc schist, thinly banded, med. porphyroblastic; broken core 35-54, 117-133 bull gtz pod @ 108.5-111; increase in gtz bands from 80'; broken core accompanied by minor gouge
L	1330		1990		3	0, D, 8		Hb.-Bio.-Plag Diorite; lt grey w/ plag = bio = hb phenocrysts fine to medium x-lms; upper contact: fault gouge @ 133-134 Altered diorite, gtz bands, and fractured core @ 162-164.5
L	1990		2240		4	1, C, D		TRANSITION ZONE SCHIST; med grey - to buff brown, medium banded, siliceous, w/ky porphyroblastic; musc = bio schist; variably biotitic; broken core 212-224; very well banded, andalusite bearing
L	2240		2270		5	1, F, 0		Metabasite; chlor-clinoamph +/- biotite, massive to w/ky banded med to dk green; rubble core 224-225.5
L	2270		2680		6	1, C, D		TRANS ZONE SCHIST; as unit 4; musc = bio schist; unit becomes very well banded downhole
L	2680		2700		7	1, C, D		(Questionable) But Chlor-rich Schist / Metabasite; lt grey-green, banded, biotitic, unit a - musc = chlorite trans zone schist
L	2700		2730		8	1, G, D		TRANS ZONE SCHIST; buff musc = bio schist; Unit approaching bleached WME proportions
L	2730		2780		9	0, A, Q		BULL GTZ POD w/ diorite fault inclusion @ 275.5-276
L	2780		2810		10	0, D, 8		VF XLINE; w/ky porphyritic; vf x-lms, mafic (bio-hb) matrix approaching -> hornfels;
L	2810		3030		11	1, C, D		TRANS ZONE SCHIST; as units 4 & 6; very well banded, musc = bio schist; lower contact gradational.
L	3030		3100		12	1, C, D		Muscovitic TRANS ZONE SCHIST; as units 7 & 8; 4" metabasite bands @ 304 and 307; musc = bio schist; interval appears to be exhibiting characteristics of a schist/metabasite contact lithology
L	3100		3153		13	1, F, 5		Banded, biotitic, metabasite; weakly calcareous (only a few bands) interval as unit 5; but w/ distinctive biotite banding
L	3153		3198		14	1, C, D		TRANS ZONE SCHIST as units 4, 6 and 11
L	3198		3205		15	1, F, 0		METABASITE; as unit 5
L	3205		3280		16	1, C, D		TRANS ZONE SCHIST; as units 4, 6, 11 & 14
L	3280		3314		17	1, F, 5		Metabasites (60% as unit 13) and Trans Zone Schists (40% as unit 4) as an interbanded sequence, reappearance of metabasites could be due to fold repetitions

DO NOT SAMPLE

UNIT FROM SAMPLING

Code	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L	3,3	14	3,5	94	18		1,C,D	TRANS ZONE SCHISTS ; as units 4,6,11,14 & 16 unit musc ≥ bio schist, good banding
L	3,5	94	3,9	02	1,9		0,D,8	Hb-Bio Plag Diorite ; as units 3 and 10 ; upper contact @ 85° to c.a ; no gneiss etc., lower contact 60-65° to c.a.
L	3,9	02	4,7	50	2,0		1,C,7	Muscovitic Qtz Fspathic Staur ± Bio Schist ; unit is lt grey buff, w/ medium banding, moderately staurolitic, musc ≥ bio schist unit c.f 76 X 18 bleached musc ± chln schists ; boundary from transition zone schists difficult to ascertain becoming garnetiferous, biotite increasing down hole.
L	4,7	50	5,1	20	2,1		1,C,6	Clotted Musc > Bio ± Staur ± Garnet Qtz Fspathic Schist unit beige-buff ; clotted to massive, w/ky staurolitic
L	5,1	20	5,5	00	2,2		1,C,7	Qtz Fspathic Musc = Bio - Staur ± Garnet Schist ; as unit 20 but w/ more biotite and better banding
L	5,5	00	6,0	72	2,3		1,C,6	Qtz Fspathic Musc > Bio ± Staur ± Garnet Schist ; as unit 21, w/ky clotted, musc > bio schist, possibly chloritic w/ chloritic twigs ; 1C7 interbands @ 568-569 and 575-578 ball qtz vein/pod @ 572.7-575 ; unit as 76 X 18 Qtz - Metabasch interband @ 603-605 ; ^{DB} muscovitic
L	6,0	72	6,4	30	2,4		0,D,8	Hb-Bio-Plag Diorite ; as units 3,10 and 19 ; partly recrystallized @ 614-618 and 632-634 ; upper contact irregular, lower contact ≈ 80° to ca.
L	6,4	30	6,5	30	2,5		1,C,6	Qtz Fspathic Musc > Bio Schist ; as unit 21 and 23 non-staurolite bearing.
L	6,5	30	7,2	30	2,6		1,C,7	Qtz Fspathic Musc ≥ Bio Staur Garnet Schist ; as unit 20 and 22 unit w/ky in staurolite becoming moderate ; variably biotitic Hole terminated due to Cyprus Anvil labour dispute with the Federal Anti-Inflation Board (R.I.P.)

DO NOT SAMPLE →

DO NOT SAMPLE →

Structural Log

Logged By: _____

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description	
	10	14 16	20 22	24 26			28 32	34 38		
S			350		CS4				good lthn struct. ; S ₂ = 65-70 S ₄ = 65	
S			500		CS4				S ₂ = 65-70 70	
S			657		F4Z		65	210	65	
S			740		CS4		6		65	
S			910		F4Z				70	
S			1000		CS4Z	75	210	75	210	65
S			1250		Z	60		65	210	S ₁ → S ₂ S ₂ = 55-60 60
S			1320		PS4					S ₂ S ₄ 45
	1330		1990							DORNE
S			2000		CS4Z		60	210		F ₂ 60
S			2250				65	210		Poor Structure ° 65
S			2350		CS4Z					S ₂ = 60-65 60
S			2500		CS4Z		60			S ₂ = 55-60 60
S			2720		CS4					65
S			3000		PS4					65
S			3200		CS4		70			70
Z			3300		CS4Z					65
Z			3520		CS4Z					70
S			4000		RS4					60
S			4140		CS4Z					70
S			4270		CS4Z					70
S			4525		CS4Z					70
S			4740		CS4Z	80	210			Suspect S ₁ & S ₂ relationship 70
S			5000		PS4					S ₁ S ₂ 75
S			5220		CS4Z					75
S			5500		CS4Z					65
S			5770		CS4Z					65
S			6000		PS4					65
S			6500		CS4Z					w/ F ₂ fold 70
S			6750		PS4					70
S			6980		PS4					70
S			7180		CS4Z					w/ F ₂ fold 70

Code	From				To				Feature	E S ₁	S ₁		S ₂		Description
	1	10	14	16	20	22	24	26			28	32	34	38	
S					350	C	S ₁ Z					6.5	21.0	good lithon struct. ; S ₂ = 65-70	
S					500	C	S ₁ Z					7.0	21.0	S ₂ = 65-70	
S					657	F	Z					6.5	21.0		
S					740	C	S ₁ Z					6.5	21.0		
S					910	F	Z					7.0	21.0		
S					1000	C	S ₁ Z	Z	7.5	21.0		6.5	21.0		
S					1250		Z		6.5			6.0	21.0	S ₁ → S ₂ S ₂ = 55-60	
S					1320	P	S ₁ Z					4.5	21.0	S ₁ S ₂	
		1330			1490									DORITE	
S					2000	C	S ₁ Z	Z				6.0	21.0	F ₂	
S					2250							6.5	21.0	Poor Structure	
S					2350	C	S ₁ Z	Z				6.0	21.0	S ₂ = 60-65	
S					2500	C	S ₁ Z	Z				6.0	21.0	S ₂ = 55-60	
S					2720	C	S ₁ Z					6.5	21.0		
S					3000	P	S ₁ Z					6.5	21.0		
S					3200	C	S ₁ Z					7.0	21.0		
S					3300	C	S ₁ Z	Z				6.5	21.0		
S					3520	C	S ₁ Z	Z				7.0	21.0		
S					4000	P	S ₁ Z					6.0	21.0		
S					4140	C	S ₁ Z	Z				7.0	21.0		
S					4270	C	S ₁ Z	Z				7.0	21.0		
S					4525	C	S ₁ Z	Z				7.0	21.0		
S					4740	C	S ₁ Z	Z	8.0			7.0	21.0	Suspect S ₁ & S ₂ relationship	
S					5000	P	S ₁ Z					7.5	21.0	S ₁ S ₂	
S					5220	C	S ₁ Z	Z				7.5	21.0		
S					5500	C	S ₁ Z	Z				6.5	21.0		
S					5770	C	S ₁ Z	Z				6.5	21.0		
S					6000	P	S ₁ Z					6.5	21.0		
S					6500	C	S ₁ Z	Z				7.0	21.0	wh F ₂ fold	
S					6750	P	S ₁ Z					7.0	21.0		
S					6980	P	S ₁ Z					7.0	21.0		
S					7180	C	S ₁ Z	Z				7.0	21.0	wh F ₂ fold	

Code	From	To	Sample No.	Description
P	10 35 0	14 45 0	22 18,08	Unit 2 E.R. 70%
P	14 45 0	16 55 0	22 18,09	Unit 2 " 75%
P	16 55 0	18 65 0	22 18,10	Unit 2 " 100%
P	18 65 0	20 75 0	22 18,11	Unit 2 " 100%
P	20 75 0	22 85 0	22 18,12	Unit 2 " 100%
P	22 85 0	24 95 0	22 18,13	Unit 2 " 100%
P	24 95 0	26 105 0	22 18,14	Unit 2 " 100%
P	26 105 0	28 115 0	22 18,15	Unit 2 " 100%
P	28 115 0	30 125 0	22 18,16	Unit 2 " 85%
P	30 125 0	32 133 0	22 18,17	Unit 2 " 80%
P	32 133 0	34 209 0	22 18,18	Unit 4 " 80%
P	34 209 0	36 219 0	22 18,19	Unit 4 " 85%
P	36 219 0	38 224 0	22 18,20	Unit 4 " 15%
P	38 224 0	40 227 0	22 18,21	Unit 5 " 90%
P	40 227 0	42 237 0	22 18,22	Unit 6 " 100%
P	42 237 0	44 247 0	22 18,23	Unit 6 " 100%
P	44 247 0	46 257 0	22 18,24	Unit 6 " 100%
P	46 257 0	48 268 0	22 18,25	Unit 6 " 100%
P	48 268 0	50 270 0	22 18,26	Unit 7 " 100%
P	50 270 0	52 273 0	22 18,27	Unit 8 " 100%
P	52 281 0	54 291 0	22 18,28	Unit 11 " 100%
P	54 291 0	56 303 0	22 18,29	Unit 11 " 100%
P	56 303 0	58 310 0	22 18,30	Unit 12 " 100%
P	58 310 0	60 315 3	22 18,31	Unit 13 " 100%
P	60 315 3	62 319 8	22 18,32	Unit 14 " 100%
P	62 319 8	64 320 5	22 18,33	Unit 15 " 100%
P	64 320 5	66 328 0	22 18,34	Unit 16 " 100%
P	66 328 0	68 331 4	22 18,35	Unit 17 " 100%
P	68 331 4	70 341 0	22 18,36	Unit 18 " 100%
P	70 341 0	72 351 0	22 18,37	Unit 18 " 100%
P	72 351 0	74 359 4	22 18,38	Unit 18 " 100%
P	74 390 2	76 400 0	22 18,39	Unit 20 " 100%
P	76 400 0	78 410 0	22 18,40	Unit 20 " 100%
P	78 410 0	80 420 0	22 18,41	Unit 20 " 100%
P	80 420 0	82 430 0	22 18,42	Unit 20 " 100%
P	82 430 0	84 435 0	22 18,43	Unit 20 " 100%

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76 DS 4

Fabric Orientation Diagram:

Project: ANVIL

Location: FARO Y.T.

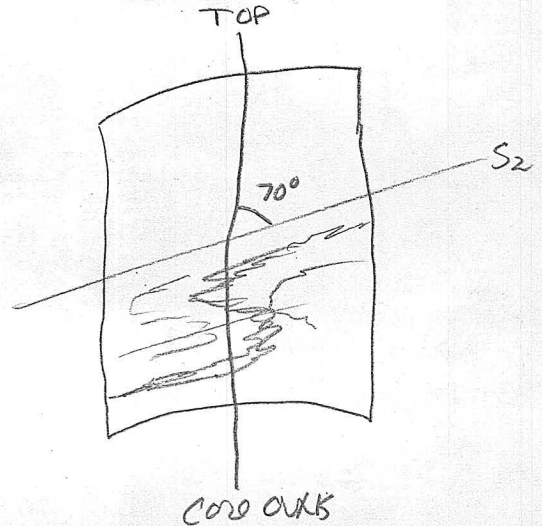
Claim: FARO

Terr. Plane Co-ords.: _____ N

_____ E

Grid Co-ords.: 6,463 N
(Orthophoto) 16,484 E

Elevation: 3865 (MSL)



All symmetry determinations looking NW with S₂ dipping SW with dip azimuth 210.

Total Depth: 402' incomplete due to strike.

Purpose: JOINT engineering dumpsite - exploration strat info Section 142

Logged by: M.A. Stammers Date(s) Logged: AUGUST 1976

Drilling Contractor: E. Canon Core: Size From To Collar Cased and Capped: 14

Started: _____ Completed: _____

Lithologic Logs
Zone 2
(Excluding Section 142)

DDH 6731
2 8

Cyprus Anvil Mining Corp.

Page 1 of 1

Lithologic Log of FARO #2

Logged By: M.A.S.

Code	From	To	Unit	Code	Description
	10 14 16 20	22 23 25 27			
L	0 0	27 0	1	#	
L	27 0	58 0	2	1D0	20% recovery
L	58 0	61 0	3	2D0	insip bxia
L	61 0	64 0	4	2D4	ga-qtz bxia
L	64 0	68 0	5	0,2,0	
L	68 0	70 0	6	1D4	
L	70 0	74 0	7	2B0	bxia, minor sulfides.
L	74 0	81 0	8	1D4	bxia
L	81 0	86 0	9	0,0,0	
L	86 0	87 5	10	1D4	→ 280
L	87 5	92 0	11	2B7	→ 2B74
L	92 0	103 0	12	2D4	good gal-sphal-shalco
L	103 0	107 0	13	2B4	
L	107 0	109 0	14	2A,B	
L	109 0	113 8	15	2D0	
L	113 8	114 4	16	2F1	
L	114 4	115 5	17	2A,0	
L	115 5	117 0	18	2C,0	bxia
L	117 0	121 0	19	2A,0	
L	121 0	123 0	20	2B,0	
L	123 0	125 0	21	2F,0	
L	125 0	127 0	22	2E,0	
L	127 0	131 6	23	2C,0	
L	131 0	137 5	24	2A,0	
L	137 5	138 0	25	2C,0	
L	138 0	143 0	26	2A,0	
L	143 0	145 0	27	2B,0	
L	145 0	148 0	28	2A,0	
L	148 0	150 0	29	2B,0	
L	150 0	156 0	30	2A,0	
L	156 0	165 0	31	1D,0	
L	165 0	179 0	32	2A,0	
L	179 0	183 5	33	2A,1	
L	183 5	185 0	34	1D,4	
L	185 0	191 0	35	1D,0	S-Symm.

DDH 7317
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log of FARO #2

Logged By: M.A.S.

Code	From	To	Unit	Code	Description
L	10 14 16 20	22 23 25 27			
L	1097	1130	1	1D0	
L	1097	1130	2	1D0	non carbonaceous, ± chlorite
L	1130	1180	3	1D0	
L	1180	1320	4	N,N,N	Gouge etc. 1D0
L	1320	1325	5	O,Q,O	
L	1325	1365	6	1D0	± N,N,N Gouge
L	1365	1380	7	O,Q,O	
L	1380	1390	8	N,N,N	
L	1390	1425	9	1D0	py, → 1D1
L	1425	1435	10	1D0	→ 1E0
L	1440	1453	11	1D4	
L	1453	1470	12	1E1	→ 1E19 ; total py = 5%
L	1470	1490	13	1D4	
L	1490	1510	14	2A1	pyritic 10%
L	1510	1515	15	N,N,N	Gouge
L	1515	1520	16	2A1	
L	1520	1535	17	N,N,N	2A1 Gouge
L	1535	1555	18	2A1	w/ good pyrite and sphalerite
L	1555	1600	19	2A0	good py-sphal
L	1600	1630	20	1E0	→ 2A1
L	1630	1755	21	2A0	
L	1755	1773	22	2A1	more SiO ₂ and Pyrite
L	1773	1777	23	2C0	
L	1777	1783	24	2F0	→ 2F1
L	1783	1798	25	2G0	w/ quartzite and sericite frags; w/ky banded
L	1798	1805	26	2E1	→ 2E16
L	1805	1813	27	2G0	
L	1813	1818	28	2F1	→ 2F16
L	1818	1868	29	2G2	
L	1868	1875	30	2E6	→ 2E64
L	1875	1918	31	2G2	
L	1918	1942	32	2F2	→ 2F21 w/ quartzite frags (Bxra)
L	1942	1946	33	2B4	good sphal
L	1946	2000	34	2A4	
L	2000	2100	35	2A0	
L	2100	2110	36	1D0	→ 2A0

eat

