

CYPRUS ANVIL MINING CORPORATIONDIAMOND DRILL CORE LOGHole Number: FAG 1037

Fabric Orientation Diagram:

Project: VANGORDA PLATEAU REMAPLocation: GRUMClaim: HANIC 4 FRACTION

Terr. Plane

Co-ords.: 6904445.7 N592542.0 E

Grid

Co-ords.: 56W / 4+005-90°

All symmetry determinations looking

NW with 52 dippingElevation: 1255.8 m.SW with dip azimuth 230.Total Depth: 158.5 m.Purpose: CHAMP ZONELogged by: GAS / LLPDate(s) Logged: July 17/84

Drilling

Contractor:

Core: Size From To Collar Cased
and Capped:NW 0' 10'BW 10' 95'BQ 95' 520'Started: Sept 9/74 Completed: Sept 15/75

FEET!

DDH F.A.G.A.037
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: July 17/84 Logged By: GAI/LCP

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28 30	34 35	
L	100	9135		1	#	Overburden - minor granitic pluton & biotite diorite
L	9135	9180		2	51C1	foliated (5B6) 95105 light brn-weathering, med. greenish gray - light gray dolomitic patches enclosed by med. dark gray-green chloritic marlstoning folia. Interlayered w/ med gray, P52 foliated, noncalcareous phyllite. Broken - like top of hole - recovery OK
L	9180	110165		3	51B101	± 2 minor. Med. to dk med gray, strongly S ₂ foliated, soft phyllite containing bands & lenses of qtz-calcite-dolomite. Dolo weathers light orange-tan. Some dolomite bands are D2 folded qtz-dolo veins. Mod. broken to poker chippy / recovery OK
L	110165	11173		4	51C1	foliated light to med. orange-tan weathering, dolomitic, highly foliated metabasite similar to Unit #2 (93.5-98) Good lithologic structure in unit "core". Intact - good recovery
L	11173	11180		5	51B810	(5F0) 2" strongly banded, possibly tuffaceous phyllite grading rapidly down to med-light greenish gray, calcareous phyllite w/ lithologic structure. Qtz-calc-dolomite in siltstone lenses. Appears to be altered metabasite edge. Intact

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28 30	34 35	
L	11113.0	11618.5		16	15B101	2 (1000) 90:10 Med to dk med grey, soft, phyllite w/ excellent lithons / S ₂ foliiform bands consisting of gte-calcite-dolomite. Carbonates weather orange-tan. Some bands appear to have minor green possible actinolite. Minor SD4* bands - esp. 6" at 143'. Rock becomes more carbonaceous down hole & has better developed lithons w/ more obvious green actinolite. Gte vein material abundant 15B'-16.5'. Core intact except rubble & med broken associated w/ gte vein - 2' core loss there. Otherwise recov OK.
L	11618.5	11912.5		7	15B121	± 0 Med. soft, dk grey/med grey phyllite w/ well developed gte-dolomite & minor calc. lithons. Carbonate weathers orange-tan / fissures weakly in warm 10% HCl. Porphy largely pyrite. Core slightly broken to intact - recovery OK.
L	11912.5	12114.0		18	15B1612	± & minor Generally nearly PS 2 flt, med-dk to dk grey, noncalcareous phyllite w/ minor gte & minor dol. ± minor ss preserved. Py & po in porph. Very gradual upper contact. Core intact FOI-212.5 / 212.5-215 med broken to incip. gouge - rock at end strongly sheared w/ shearing possibly disrupting S ₂ but being generally in S ₂ direction. However contact crudely S ₂ parallel.
L	12114.0	12117.0		9	14K1124	(4K @ 9 ^{Aspy} _{aspy}) 70:30 Mixture 4K124 & 4K9 aspy @ 4K - med hard to med soft gte-musc-chlorite(?) - py & sphal bleached phyllite interbedded w/ lesser biotite. nearly massive pyritic sulphides w/ clast of ank (possibly &) fresh flash - weathers orange - fissures in 20% HCl only when powdered. 10-50% dissem. aspy. Carbonate clasts in pyritic matrix. have x-cutting fractures w/ opy. Should assay for gold. Split / originally intact. Probable late D ₂ slip along upper contact.

Lithologic Log

Date: July 17/84 Logged By: GAI/LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	121170	121310		1110	14K11f	bxa (4C0 ± 9) Bxa of carbonate & variably carbonate-bearing light cream green pyritic gneiss & flesh colored dolomite floating in fine-grained, generally massive (locally foliated) pyritic matrix w/ minor aspy. Can't always tell large clasts from interbands - probably all bxa. Some gr- carbonate clasts have epy bearing x-cutting fractures. S ₂ flts. randomly oriented clasts. Split - intact
L	121310	121350		1111	14K161	(4E1) bxa 80:20 largely med. soft, light green-cream musc-chlorite(?) phyllite w/ minor gr- carbonate bxa w/ pyritic matrix. Overall prob large clasts are sulphide matrix bxa. Split & mangled - recovery OK. Locally abundant aspy in bxa fragments
L	121350	121505		1112	14K19	± 4' bxa (4E46? porous) (4C9) both minor Bxa w/ fine barren pyritic matrix. Clasts largely flesh colored dolomite - x-cutting epy in fractures in dolomite - also stringers & blebs. No aspy noted. Short sections of base-metal bearing, pyritic massive sulphides - vuggy - could be clasts - leached basalt? Matrix only weakly foliated w/ local foliated zones. Towards base probable clasts of hard, light gray gneiss w/ 15% dissem. py, minor sphal, minor epy. Epy-sphal esp near margins of possible clasts. Split orig intact to med. broken
L	121505	121630		1113	14E101	± & minor (4E4 porous ± 6) (4K f bxa) 80:20: TRACE Dominantly barren, fine-grained, weakly flt pyrite w/ patches of flesh dolomite & patches w/ interstitial base metals. Intervals of larger annealed flesh dolomite (4K) three intervals of few inches to 1 1/2' w/ good grade - interbands of high grade 4E4 par w/ possible barite. May be overall continuation of above sulphide bxa. Lower contact arbitrary - marks change to more continuous, vuggy high grade sulphides split. orig intact - minor local gauge. 4K gauge lumps present

Some 4C transitional to 4K129 clasts

abrupt decrease in bxa fragments

Lithologic Log

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	121613.0	121716.0	1	114	14E14	porous 6? Strongly banded to homogeneous, massive sulphides w/ very galena rich & sphal-rich bands alternating w/ py-rich bands. Short intervals of light-colored, possible baritic sulphides. Split-intact. Similar to high grade zone in last unit. Banding / folia at diverse angles C.A.
L	121716.0	121717.2	1	115	15A16	(5C4*) 80:20 Soft, dk grey to black, noncalc, P52 fine phyllite. Cut by py-filled fractures. Very broken.
L	121717.2	121810.7	1	116	14K15	bxa Pyrite-matrix breccia w/ irregular frags. flesh idiomorphic. Pyrite matrix fine & granular. Minor Pb/Zn. 4.5% total sulphides. Split-orig intact.
L	121810.7	121813.3	1	117	14E14	porous 6? As Unit # 14 (264-276) Split/intact
L	121813.3	121816.7	1	118	14D10	IS → 4A4 Med to locally dk grey gneiss w/ 10% diss to banded py & 10% sphal & minor ga in bands // S ₁ , S ₂ & along fractures. Split-intact, hard high grade.
L	121816.7	121913.0	1	119	14D13	→ 4E14 (5C4 ± 4 fuschite) (464) 50:40:10 Split-intact

Lithologic Log

Date: July 17/84 Logged By: GAD/JCP

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16 20 22 24 26 28 30 34 35				
L	131193	131382		1215	14IC91	$\pm 3 \pm 5$ (4D9 ± 3) $\rightarrow$ 4A4 locally Hard, med. banded, locally well foliated, pyritic - locally base-metal bearing qtzite. Med grey to light grey S_2 folia surfaces. Locally excellent sulphide species segregations in bands - i.e. py rich & sphal rich. 1' sections very sulphides rich approach 4E1. 30% total sulphides - sphal & py 1:5. 9 for spy in small veinlets cutting S_2 - locally as irregular patches along S_2 - sometimes assoc. w/ pyrite in cutting veinlets. Looks like altered 4A Gradational upper contact Split - good recovery - orig intact
L	131382	1314130		1216	14IE141	$\pm$ # minor $\pm$ porous (5C4#) minor Well banded, pyritic, massive sulph w/ galena & sphal. rich bands locally wuggy calcite-bearing bands. Last 1 foot contains floating clasts of qtz & carbonate along folia. Fair amt of phase banding in last 1' - gradational to next unit. Split/intact
L	1314130	131566		1217	14IC101	± 9 minor (4D0) off-white to light grey, variably banded, CS_2 foliated locally. Avg sulphide content 25% - local zones 50% Base metal distr irregu- lar intervals high grade. S_2 folia off-white w/ slight greenish tinge locally grey. Impressions of altered 4A CS_2 locally but banding generally parallel S_2 - implies rotation of S_1/S_2 / transposition? Total sulphides 20-25%. Py-sphal ratios are quite variable. - locally 1:1 generally it is more pyrite-rich Split - intact.

Minor 4D
bends at base
of this unit.

Lithologic Log

Date: July 18/84 Logged By: GAI/LSR

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28 30	34 35	
L	141010	141012		1311	15D141*	9 py (4E4) (4K4) minor Interbanding of massive pyritic sulphides & altered meta basic Possible veins. Split - locally rubbly
L	141012	141014		1312	14K141*	Massive pyritic sulphides w/ flesh clasts / ranges of dolomite & patchy galena - sphal Split - intact
L	141014	141015		1313	14D131	(4E4 & minor & porous) 70:30 Split - intact
L	141015	141140		1314	14A141	(4K6 minor) (5B62 minor) Split - una v brkn / locally rubbly & incip gauge Fault bra w/ S ₂ foliate randomly orientated clasts in hard in soft rock floor matrix. Orientation of ore zone relate to underlying major fault. Recovery OK
L	141140	141575		1315	13G191	→ 5A0 gauge fault bra. Entirely dk grey gauge of phyllite chips & glaucous frags in incoherent sandy, rock powdery in rock floor matrix Frags diversely orientated - common orientation of 40-60° to core axis Total internal gauge - minor intact phyllite frags. Recovery 66% - major core loss at top
L	141575	141615		1316	15D141*	(3G4) Minor Gauge Continuation of above gauge & bra Internal platiness / frag elongation 45-70° core axis. Recovery OK

✓ DDH E.A.G.A.0.3.7
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Cyprus Anvil Mining Corp.

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Structural Log

Date: July 18/84 Logged By: GAI/LCP

Code	From	To	Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	Description									
	10	14	16	20	22	24	26	28	32	34	38	40	44			
S			19	18	0	P	S	12				8	15	23	10	
S			1	1	13	0	C	S	12				8	10		
S			1	1	2	18	0	C	S	12				8	10	
S			1	1	4	19	0	C	S	12				7	10	
S			1	1	7	18	0	C	S	12				8	15	
S			1	1	9	13	0	C	S	12				9	10	
S			2	0	3	0	C	S	12					8	15	
S			2	1	14	0	C	S	12					1	15	
S			2	1	3	3	0	P	S	12				9	1	
S			2	1	6	5	0	P	S	12				5	10	? banding in sulphides
S			2	1	6	19	0	P	S	12				0	1	? " "
S			2	1	7	4	0	P	S	12				4	5	? " "
S			2	1	7	3	0	C	S	12				8	10	
S			3	1	1	2	0	P	S	12				8	15	? banding in sulphides
S			3	1	1	18	0	P	S	12				7	10	? " "
S			3	1	2	4	0	P	S	12				5	10	? " "
S			3	1	3	12	0	P	S	12				4	10	? " "
S			3	1	4	4	0	P	S	12				6	8	? " "
S			3	1	4	19	0	P	S	12				6	8	? " "
S			3	1	5	6	0	P	S	12				6	8	? " "
S			3	1	6	12	0	P	S	12				7	10	not in ore
S			3	1	7	4	0	P	S	12				7	10	or PSI?
S			3	1	8	16	0	C	S	12				4	15	not in ore
S			3	1	9	12	0	C	S	12				5	10	
S			4	0	1	2	0	P	S	12				6	10	
S			4	1	1	2	0	P	S	12				1	10	or PSI?
																Big gauge zone
S			4	1	7	18	0	P	S	12				6	10	
S			4	1	9	14	0	P	S	12				6	15	
S			5	0	1	5	0	P	S	12				7	5	
S			5	1	1	3	0	P	S	12				7	10	
S			5	1	1	7	0	P	S	12				1	10	

FEET

Fault

DDH AD 37 Cyprus Anvil Mining Corp.Page 13 of REC UPPER INT LOWER Structural LogDate: Aug 3/84 Logged By: KCP

Code	From	To	Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	S ₃ Dip Direct.	Description
I	10	14 16	20 22 24 26 28	32 34	38 40	44	
F	1935	1980 B					brkn like top of hole
F	1980	11065 21BT					mod brkn to galena chippy
							recov OK
F	11580	11650 B1RQ7					rubbly & mod. brkn ass
							w/ gte vein 2' core loss
F	11685	11925 11B					slightly brkn to intact
F	121125	12150 21B					mod. brkn to incip gauge
F		12150 315			919 919		strongly sheared w/ shearing
							generally 1152
F	12170	12505 X1D					brn in sulphides
							clasts of other lithologies
							in sulphides
F	12350	12505 11B					intact to mod. brkn
F	125105	12640 11X1D					may be overall continuing of
							brn decrease in brn
							clasts
F	12760	12772 21B					v. brkn
F	12772	12807 X1D					brn w/ dolomite frags in
							quartz matrix
F	12930	12977 21B					mod brkn / no faults
F	13003	13065 21B					gte vein, mod. brkn to
							rubbly
F	13566	13710 31X1Q					v. fractured & cc-gte veined
F	13566	13705 21B					mod brkn w/ local rubble &
							incip gauge zones
F	13988	14010 21X1F					fault brn - prob. related
							to underlying units
F	14008	14022 11B					locally rubbly
F	14055	14140 X1F					fault brn randomly
							oriented clasts in rock
							flow matrix
F	14140	14575 X1GF6					dk grey gauge & fault
							brn recov 66%
F	14575	14650 3GF					gauge, internal platiness
							45-70° core axis
F	14650	14760 3GF					45°-60° fissility lost

C.A.M.C. 1981 - E - 4

2' sand... recov. OK

FAULT

Cyprus Anvil ~~Mining~~ Corp.

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~~Structural Log~~

Date: Aug 8/84 Logged By: LCP

EOA

Feet

DDH FAGA 037 Cyprus Anvil Mining Corp

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Logged by LCP/GAJ

ASSAY LOG (SAMPLER'S COPY)

Date

Sampled by Kerr Addison

Date _____ Sampled by _____													
CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
I	10	14	16	20	22	26	28	30	32	34	36	40	42
P	121	140	122	140	91161	116	100		98	4	LK		
P	122	140	123	110	91161	117	70		169	4	K1	\$	
F	123	110	123	150	91161	118	40		40	4	EL		
P	123	150	123	175	91161	119	125		125	4	K1	\$1914	
P	123	175	124	130	91161	120	155		155	4	K1	\$191	
P	124	130	124	180	91161	121	150		150	4	K1	\$1914	
P	124	180	125	105	91161	122	125		125	4	K1	\$1914	
P	125	105	125	135	91161	123	130		130	4	E101		
P	125	135	126	100	91161	124	165		165	4	EH		
P	126	100	126	130	91161	125	130		130	4	E101		
P	126	130	127	110	91161	126	180		180	4	EH		
P	127	110	127	160	91161	127	150		149	4	EH		
P	127	160	128	07	91161	128	147		147	4	K1	\$1	
P	128	07	128	133	91161	129	126		126	4	EH		
P	128	133	129	130	91161	130	197		197	4	DIEG		
P	129	177	130	130	91161	131	153		145	4	A14		
P	130	130	131	130	91161	132	1100		170	4	E1A14		
P	131	1130	131	230	91161	133	1100		1100	4	EAC		
P	131	230	131	330	91161	134	1100		1100	4	CD191		
P	131	330	131	382	91161	135	152		152	4	CD191		
P	131	382	131	440	91161	136	158		158	4	EH		
P	131	440	131	500	91161	137	160		160	4	CO		
P	131	500	131	566	91161	138	166		166	4	CO		
P	131	686	131	704	91161	139	118		118	5	B61		
P	131	704	131	756	91161	140	152		152	4	ED		
P	131	756	131	860	91161	141	1104		1104	4	AIC		
P	131	860	131	960	91161	142	1100		1100	4	AIC		
P	131	960	140	122	91161	143	162		162	4	AC		
P	140	122	140	161	91161	144	139		139	4	KDIEA		
P	140	161	140	198	91161	145	137		137	4	A101		
P	140	198	141	140	91161	146	142		142	4	A14		

DDH V37Cyprus Anvil Mining Corp.
Lithologic LogPage 3 of Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
L	0	0							1	#		overburden - see original log
L		26	0						2	5D0		medium dull green, mod soft, slightly calcareous homogeneous PS ₂ foliated phyllite - calcite dissem in matrix and in S ₂ bands that are folded - Patchy bio assoc. with calcareous bands Very minor hard carbonaceous phyllite Very weathered with orange brown coating
L	26	0	46	0					3	5A6		± minor [3E0?] dk grey to black, non calc, PS ₂ foliated to locally lithomel, mod soft to mod hard to locally hard carbonaceous phyllite. S ₂ folia v. dk grey to black weather to yellow sulphur (?) coating lower contact is against pale colored altered rocks thus check original log for comparable color break for check on footage
L	46	0	70	0					4	3648		[4467 minor] (SC37) mod soft, generally non calc pale green PS ₂ foliated phyllite S ₂ folia are silvery, creamy green Internally finely lam // S ₂ in shades of green contains PO streaks along S ₂ folia Locally with minor calcareous, SC, grey green leopard rock Unit overall appears to be altered phyllites adjoining metabasites - unit mainly rubble with poor recovery

C.A.M.C. 1981 - E-3A

? footage 4' from
start of
core

? footage

DDH V37

2 8

Cyprus Anvil Mining Corp.
Lithologic LogPage 4 of Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	7.0	9.6			S	SA6	(SA6)(4L6 weak)	90:05:05			
							mod soft PS ₂ foliated variably deformed ^{locally} internally laminated ^{in sharp layers}				
							olive green chloritic phyllite -				
							where laminated approaches SF ₂ otherwise has good normal				
							SD texture of white bands in homogeneous green phyllite				
							lesser lithologies include mod soft dk grey noncalc				
							PS ₂ foliated phyllite and pale creamy green homog.				
							non calc chl msc phyllite similar to that in unit #4				
L	9.6	11.04			6	SB, 26	[3G97]				
							dk grey non calc - mod soft to soft PS ₂ foliated phyllite				
							1.5' recvd.				
L	11.04	13.6			7	SA, 169	→ (4A0) minor				
							hard dk grey to black, PS ₂ foliated, noncalc, carbonaceous siliceous				
							phyllite -				
							Upper part (to 110') has ~ 4A texture with thin fine grt S ²				
							banding S = mainly py with minor cpx in setting				
							fractures and minor po in post D ₂ fracture network				
							Below 110' looks like SA169 without much in the way				
							of grt S = bands; Spherals in bands are po ~ py;				
							above 110' to 6 S = ~ 10%; below 110' to 6 S = ~ 2-3%				
							core v. broken poor recvy				
L	13.6	11.65			8	SA6	→ SA16 = 3 minor laminae				
							dk grey to blk non calc PS ₂ foliated phyllite - mod soft				
							at least to 160 but last 4' becomes progressively harder.				

To 2nd log
check
original

Last few pieces of core are unobtainably calcareous. C.A.M.C. 1981-E-3A
 Core v. broken & recovery is terrible. At 145'-150' S₂ is very distorted
 and 1' recvy. 150-155' = 6" grt vein + phyllite.
 tot S = ~ 1% po mainly

DDH V37

2 8

Cyprus Anvil Mining Corp.
Lithologic LogPage 5 of Date: Logged By: LCP/GAJ

Code	From	To	Recov.	No.	Unit	Description						
11	10	14	16	20	22	24	26	28	30	34	35	
L	1650	1700		9	5D0	rubble, med soft homogeneous med olive green calc PS_2 foliated phyllite weath to overall tan to rusty brown contains abundant gtz calcite fractures						
L	1700	1770		10	5A1.6 ± 3	dk grey to black, hard, non calc to slightly calcareous, PS_2 foliated siliceous carbonaceous phyllite - 1' of rubble; redrilled core -						
L	1770	2230		11	4L16	weak [SB698] (SD640 minor) (SC#7 ± 3) G0:30:10 Mixed bag of: 60% a) moderately hard PS_2 foliated pale greenish white to creamy green, non calcareous phyllite contains minor Py & Po on thin fractures S_2 folia are silver, green to pale greenish crevice = highly altered phyllite 30% b) non calc PS_2 foliated med olive green homogeneous chl. phyllite with streaky/patchy brown biotite laminae locally = non calc fine grained metabasite 10% c) coarsely foliated chl + clob + gtz $\pm$ calcite leopard rock with typical anastomosing foliated texture - c) mainly in upper part; b) is in lower part; a) is between						
L	2230	2410		12	5F17 ± 3	coarsely foliated variably calcareous SC metabasite/leopard rock with typical anastomosing chl folia around grey CO_3 + gtz (?) lenses - Rock is overall soft CO_3 is 20% > calc with some short v. calc sections - Grains over last 1' to more homogeneous medium green without chl laminae						

to 15
pale

DDH V37Cyprus Anvil Mining Corp.
Lithologic LogPage 6 of Date: Logged By:

Code	From	To	Reco.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
L	241	243			113	3G48	[58648] [-126 weak.]				
							non calc, PS ₂ foliated med olive green chl musc phyllite				
							S ₂ folia are creamy green, locally with a grey tint				
							Micaceous nature and slight grey tint on S ₂ and				
							greater heterogeneity as compared to bounding units				
							all imply this altered metaseds.				
L	243	255			114	SDO	med green, med soft, variably calc homogeneous PS ₂ foliated				
							chl phyllite. Typical catibet gtz banding / veining of				
							SD				
							//				
							NOTE to 255'				
							Cone has all been BX - we now have 2 choices				
							a) a hole labeled V37 that starts at 276' and				
							goes to 442' & is the end of hole - all core				
							being AX (smaller) - this has metal tags that say hole 37				
							b) a hole which is also BX labeled 37 and V37				
							with core from 588-656' that is 2 rows now				
							in 2 boxes. - no metal tags on this (or for any of				
							the boxes with 0-255' in them)				
							Will log choice b) first then a)				
							//				
	2550	588			115	#	no core				
	588	616			116	SP116	± 3v. minor				
							dk grey to black, PS ₂ foliated, hard generally, non calc. Phyllite				
							contains minor 1cm thick bands with dissem calcite				
							minor po as tiny "flocks" along S ₂ foliation locally 100 flocks				

C.A.M.C. 981-E-3A

? interval to

588
23
616

C.A.M.C. 1981-E-3A

DDH V37
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 2 of Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description
1	10	14	16	20	22	24
				26	28	30
				32	34	36
						are associated with <> mm thick grease bands ~ 10% of which also contain pyrite 1st portion of unit is rubble (1 row) rest used broken. Tot S = ~ 1%
L	1615	6310		117	SA116	(SCO) 75:25 2 rock types: a) as unit #16 exactly b) 2 interbeds one 2' at top and 1.5' at bottom of conglomerates, med hard, ps ₂ foliated, medium green chloritic phyllite - non calcareous foliated but not fine grained or chl laminated & has relict ign text. Contacts sharp 11 1/2
? to footage	L	16310	16360	118	SA116	± 3 v. minor Same as #16 - v. broken to rubble.
? to footage	L	16360	16510	119	SB216	[3577 dk grey, ps ₂ foliated, med hard non calc phyllite. Distinguished from #18 by slightly lighter grey color and lack of sulphides and by being slightly softer
	L	16510	16516	20	SA116	± 3 v. minor (SE2) minor as #16 - last 2 pieces are very, calc and approach Xln, calcite mbl, black, finely

DDH

2

8

Cyprus Anvil Mining Corp.
Lithologic Log

Page

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of

Date:

Logged

By:

Code	From		To		Recov.		No.		Unit		Description
1	10	14	16	20	22	24	26	28	30	34	35
											11
											The alternate finish for V37 is now logged ie choice a)
L	255	0	276	0			15		#		no core, core size reduction required in this interval
L	276	0	287	0			16		10 #		(SC3)? rubble of v. calcareous chl-calcite ± gtz locally looking like vein material and locally looking like veined SC3 metabasite/leopard rock. ??
L	287	0	296	0			17		4L67		v. minor [3648] mod soft to mod hard non calc med green chl/mafic phyllite S ₂ folia are green with slight silvery lustre - minor stringers/discontinuous streaks of po locally, 11S ₂ locally xcutting S ₂ Tot S = <1% all po
L	296	0	306	0			18		4L67	24	split core - similar to above but more S ⁺ mod hard, med green, non calc., PS ₂ foliated Phyllite Sulphides are po > py > sphal in a fracture network "flooding" overall 10-15% S ⁺ locally up to 30%
	306	0	307	5			19		4L67		v. minor <1% po.

? to footage

DDH V37Cyprus Anvil Mining Corp.
Lithologic LogPage 9 of Date: Logged By:

Case	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	36
1	3075	3780		120	360	non calc mod soft to mod hard PS_2 foliated, med grey with slight greenish tint, Phyllite. Contains intervals of veins gtz with chl py calcite generally, 11 S_2 . Locally veins have bxa texture with 100 clasts in sheared phyllitic matrix. S_2 folia are steely grey. Fairly typical looking 360. Core broken to rubble. S_2 distorted in upper part of interval thus 325-335 may be a fault.					
1	378	3910		121	5A169	minor mod soft to mod hard PS_2 foliated non calc Phyllite - S_2 folia are v. dark steely grey to blk. Tot S_2 ~ 1-2% mainly po as porphs elongate along S_2 with gtz shadows and assoc with thin gtz bands along S_2 . broken recvy ok.					
4	390	4210		122	360	49 minor non calc mod soft PS_2 foliated med grey to med dk grey phyllite - very homogeneous. S_2 folia are medium steely grey - poor recvy lots of rubble - lower portion of interval becomes darker grey and in last portion becomes harder i.e. siliceous.					

> to Faulting

Date: _____ Logged By: LCP

C.A.M.C. 1981 - E - 4

-Total sulphides 5-10%, Pb , Zn , Fe trace, Py minor except locally - where dominant

2 4 8

Cyprus Anvil Mining Corp.

Page 2 of

Lithologic Log

Date: Aug 14/94 Logged By: GAS/LCP

Core	From	To	Recov.	No	Unit	Description
1	10	4	16	20	22	24
2	26	28	30	32	34	35
L	12.81	2	12.18	0	5	14.16
						4
						Unit distinguished by being split core.
						Mod. hrd, gm. noncalc, chlorite-qtz-py-sphal phyllite. About
						20% py, minor sphal. Py forms network veinlet texture. Similar
						to adjoining units only more sulphides.
L		13.48	0		16	14.17
						6
						$\pm 2 \pm 4$ minor $\rightarrow$ (4L01726 weak) (5CD) MINOR
						Mod. hrd to mod soft, qtz-musc-chlorite-py & sphal phyllite
						Similar to Unit # 4. Rocks generally light to med gray-green.
						local zones of off-white, v. light green, qtz-py-py-chlorite phyllite
						Green colour more pronounced as go downhole. Possible green
						in last 10' is altered 5CD. 1 piece good leopards rock
						5C37 half-way thru unit - very short interval. Contains
						possible garnet - irregular v. pale pink porph. locally. Minor
						calcite zones largely associated w/ veins. All of the 4L has
						muscovite. Bkn - recovery not very good.
						Bottom of DDH is ugly altered rock
						EOH
						For all 4L lithologies - 52 very irregular. Can't say
						definitely fault related or deformation related. Seems like irregular
						"clastic" fold/crumpling w/ local brecciations.

Structural Log

Date: Aug 14/04 Logged By: GAS

[illegible]

DDH V.82
2 Feet 8Cyprus Anvil Mining Corp.
Lithologic LogPage 3 of Date: Logged By: LCR/GAJ

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	10.8	13.9	0	1	#	overburden - check PA log					
L	13.9	16.3	0	2	SA161	[369]					
						dk gray to black mod hard to mod soft non calc					
						PS fol to lithomd phyllite - S ₂ folia v. dk gray to					
						black. weathers yellowish rust brown					
						borderline color for SA					
						no gtz-S ⁼ banding					
						core v. broken ~ 1/2 box gone					
L	16.3	19.8	0	3	SA109	minor					
						mod soft dk gray to black, calc, lithomd. phyllite - calcite in					
						well developed gtz calcite po lithons - also coarser gtz					
						po granular bands like 4A gtz S ⁼ bands.					
						Tot S ⁼ ~ 1% core ~ intact					
L	19.8	25.0	0	4	SA169	v. minor (SDO±4) minor					
						similar to #3 but non calc varies from mod soft to mod					
						hard - still well lithomd with gtzose bands - still					
						has gtz po granular bands as above. Tot S ⁼ ~ 1%					
						contains minor thin SD "tuff" bands 1-10 cm thick					
						around 110-113' Tan to olive green tinged tan calc.					
						core ~ intact					
	25.0	27.8		5	#	no core - box missing - check PA log					
	27.8	29.2		16	SA161	borderline 3 minor					
						black to dk gray mod hard to hard generally non calc (locally brown					
						calcite bearing) PS foliated but locally lithomd phyllite -					
						calcite in minor 2-10 cm bands in upper portion G.A.M.C. 1981-E-3A					
						po as thin streaks // S ₂ & dissem in gtzose bands with possible					
						sphalerite					
						core intact					

DDH 182Cyprus Anvil Mining Corp.
Lithologic LogPage 4 of Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	3012	3118		7	#	cone missing					
L	3118	324		8	SAQ	borderline					
						dk gray to black, medium hard to hard slightly calcareous PS_2 fol to micro					
						phyllite - Pa in thin gtzose laminae sub 1/5 locally					
						crosscutting S_2 - Tot $S = \sim 1/8$					
						S similar to above units intact					
L	324	334		9	SAQ	minor					
						mod soft, dk gray to black, well lithomel phyllite - lithons with					
						gtz, calcite, pyrite minor Pa - major difference with					
						above is abundance of lithons & occurrence of					
						$S =$ in the lithons.					
						tot $S = 2-3\%$					
						lower contact is 1st appearance of mbl bands intact & mostly missing					
L	334	360		10	SAQ9	minor / borderline (3F9 [SE2]) 90:10					
						mod hard to hard dk gray to black calc phyllite					
						varies between PS_2 foliated to libbousd. contains 10-20 cm					
						bands of black finely xln carbonaceous marble.					
						Sulphides dominantly Pa in streaks 1/5 and					
						in granular gtz bands - Feases, locally forming					
						D_2 folds - local py & sph in gtzose bands that					
						could be veins but are folded - intact but much missing core					
L	360	419		11	SA61	borderline [SD26] (SD6) minor					
						non calc, PS_2 foliated, more hard dk gray to b/k phyllite					
						with minor 2-10 cm bands of tan greenish creamy green					
						subt non calc urse-chl phyllite = SD.					
						Minor Pa & py assoc with granular gtz bands / veins 1/5					
						core mod bkn - 2/3 missing - borderline for 3, last 5 are					
						soft like underlying unit					

C.A.M.C. 1981 - E-3A

DDH 182
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 5 of Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
L	4619	4820		12	359	11cales/light?!						
						mud soft to soft, mud dk grey, non calc, homog						
						generally PS ₂ fol phyllite.						
						Slight greenish tinge to grey due to abundant						
						dissim green mineral in microlithic mud more						
						quartzose bands (=chlorite?)						
						both contacts gradational color breaks						
						S ₂ folia are dk silty grey - con. intact to mud blk						
L	4612	4819		13	359	[58267]						
						dk grey, mud soft, PS ₂ fol. non calc, phyllite.						
						contains noticeable po porphr elongate along S ₂						
						black S ₂ folia separating mud to mud dk grey						
						laminae on scale of mm. = S ₂ PSDm. striping						
						con. intact but 1/4 missing						
						489 is end of available core so probably						
						more hole to come - check PA log						
						hole encounters variably calcareous carbonaceous						
						package none of which is particularly convincing						
						as the 3F9 sequence. - but neither is it the						
						good solid 5A19 sequence. - unit 3 is similar to						
						basal cov 4t green.						

DDH 2 8 14 6

Cyprus Anvil Mining Corp.
Lithologic Log

Page 3 of

Date: Aug 13/84 Logged By: GAJ/lcr

Cass	From	To	Recov.	No.	Unit	Description
L	10	14	20	28	30	check original log
L	12100	13700		2	14161	weak Yellow stained, light greenish gray to nearly off-white, altered looking phyllite. Question acid weathered or alkali? V. broken, poor recovery, poken chipping.
L	12100	13700		3	13901	± bio v. minor (3B3) minor ± calc-silicate minor Med. gray, PS2 fine, noncalc, med. soft to locally mod. hrd phyllite Interbedded grt-dolomite-chalk-pg veins up to 10cm thick parallel J2. Scattered thin interbeds of 3B3 - brn tinged. calcareous chloritic phyllite locally interbeds patchy brn & green, PS2 fine, noncalc rocks resembling calc-silicates of CNR 76-01 but could be 3B related 284-294 particularly rich in those rocks - some green here chalk met to veins. 3G has scattered biotite. Core strongly broken - v. strongly broken towards end of core - 50% recovery at best. No gauge recovered No Eno indicators for DDH - check log EOH

DDH V.155
2 8
feetCyprus Anvil Mining Corp.
Lithologic LogPage 3 of Date: Aug 84 Logged By: CCP G.T.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	00	140		1	#	overburden
L	140	170		2	#	triconed
L	170	175		3	#	no recvy - just footage blocks
L	175	1410		4	4L2	
						mod soft to mod hard locally hard PS ₂ foliated rusty orange brn weath non calc mvsc gtz phyllite - S ₂ folien are light creamy - contains py in thin bands/stringers 115' cutting S ₂ recovery is horrible - rubble ~12' recovered in total
L	1410	1500		5	5F4#	±# (5D4#) majority is highly altered beige kaperd rock with good Fuchite upper 1' is homoz fine grained foliated altered 5D type metabasite 5' recovered.
L	1500	2040		16	5A61	dk grey to black PS ₂ foliated non calc hard carbonaceous siliceous phyllite - minor pyrite in cross cutting fractures rubbly ~17' recvd
L	2040	21018		17	3F9	calc silicatey (5A61) 80:20 Same as above but has interbeds of very dk green to grey finely xln lithoned calc to mbl - looks like calc sil bands in the carbonaceous phyllites S ₂ M + M ₂ but <u>very</u> calcareous.

DDH VISS
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Page 4 of _____
 Logged By: _____

[illegible]

DDH VISS
2 East 8

Cyprus Anvil Mining Corp.

Page 5 of

Structural Log

Date: _____ Logged By: _____

[illegible]

DDH V.1.5.7
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 3 of Date: Aug 12/84 Logged By: GAI/LCC

Code	From	To	Recov.	No.	Unit	Description							
	10	14	16	20	22	24	26	28	30	34	35		
L	100	115							1	1#		O/B	Check original log
L		11240							2	13G101		"calc silicaty" $\pm$ bio minor	
												Med. grey, noncalc, PS2 fthd, med. soft, homogeneous phyllite. In detail greenish grey phase fine-grained bands / laminae locally microlithified separated by sparse med dk grey, noncalc phyllite. Locally granular bands contain biotite. S2 folia med staly grey w/ local green tinge. No significant faults	
L	11240	114195							3	31F91		minor	
												Dk grey to med grey, hard, thin to thickly laminated in shades dk grey, med grey & white, finely x-line, calcite marbled PS2 fthd. Intact	
L	114195	11630							4	13G91		(363 "calc silicaty")	70:30
												Dk grey to blk, med. soft, PS2 fthd, noncalc phyllite interlayered w/ -thickly to med. interbedded w/ dk grey to med grey, noncalc lithified calc phyllite. Lithons mottled green & white w/ green mineral. 70% calcareous	
L	11630	11925							5	13G101		calc silicaty bio ± 3 ± 9	(382) 14:100
												Med. soft, med to dk med grey w/ greenish tinge & local brownish tinge, generally noncalc phyllite w/ sparsely interbedded calc phyllite. Med to dk green $\pm$ bio phase bands separated by soft grey phyllite bands. Minor interbedded 5D6 (382)	
L	11925	121180							16	13G101		bio calc silicaty	
												Med. grey, noncalc, PS2 fthd phyllite. In detail med to dk green ph-	

Date: Aug 12/84 Logged By: GAS/uc

Core	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
												chlorite/actinolite $\pm$ bio bands separated by med grey, soft noncalc phyllite. Couple of possible 3B3 bands. 202-209 80% 195-15 cm 3B3 + minor elsewhere.
L	121180	121320			17	316913						"calc-silicaty" (369) (3F9) 33:33:33 Dk grey, calc phyllite interbedded thick to med scale w/ dk grey, noncalc phyllite & dk grey marble 1/3 of each lithology. Calc phyll have green mineral + bio in more calcareous bands.
L	121320	121800			18	316101						"calc silicaty" bio minor Med. soft to med hrd, med. grey, noncalc, PS2 f110 phyllite. Greenish grey qtz-actin/chlorite bands separated by soft grey phyllite bands. Minor biotite locally
L	121800	31317			19							NO CORE
L	313170	314170			110	31610						# $\pm$ 9 Med grey to dk grey, med soft to med hrd, noncalc, PS2 f110 phyllite
L	314170	315120			111	31519						Med. hrd, dk grey to black, finely xline, siliceous, calcite marble
L	315120	316180			112	31601						"calc-silicaty" (3E16 minor) Med. grey, med soft, noncalc, PS2 f110, homogeneous phyllite C.S. for green mineral developed in bands. Minor qtz as streaks along SS. Minor dark carbonaceous phyllite - hard interbedded.

Not normal ant carbonaceous phyllite ass.
w/ marble to make this a good 3FG package.

FOH

DDH in Mt Mye & not Vanyorda

Green calc-silicoly bands between marble; looks like good calc-silicate minerals rather than chlorite.

CYPRUS ANVIL MINING CORPORATIONDIAMOND DRILL CORE LOGHole Number: CNR 76-02

Fabric Orientation Diagram:

Project: Vangamla Plateau Remapping

Location: _____

Claim: CHAMP 2Terr. Plane
Co-ords.: _____ N

_____ E

Grid
Co-ords.: 85 / 16W

All symmetry determinations looking

_____ with _____ dipping

Elevation: _____ with dip azimuth _____.

Total Depth: 1108 feet

Purpose: _____

Logged by: _____ Date(s) Logged: _____

Drilling
Contractor: _____ Core: Size From To Collar Cased
and Capped: _____Started: July 20, 1976 Completed: July 27, 1976

Fect

All footages questionable
because footage blocks too
weathered to read.

DDH C.N.R.7.6.0.2
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: July 9 Logged By: GAS/KCP

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28	30 34 35	
L	10	14.3		11	#1	Overburden.
L	14.3	110.15		12	15C1#1#	Dark green - light green coarsely mottled rock w/ regular anastomosing S ₁ folia w/ dk green chlorite laminae separating light off-white carbonate - feldspar? - chlorite. S ₁ cut by well developed S ₂ cleage. Last 10 ft is orange weathering - due to dolomite being dominant carbonate. Last 4" fine grained. Good example of intermediate development of 5C* - "leopard rock". S ₁ generally has very acute angle w/ core axis. Last 3' has sharp dk green chlorite laminae seems to cut S ₂ - therefore probably not S ₁ . Core broken at top of hole - otherwise intact.
L	110.15	110.9		13	31F9	weak (5A0) 70:30 Dk medium grey, finely x-line calcite marble interlayered w/ minor black, slightly calcareous phyllite. Marble is "not silicated". Top 1/2 broken Bottom 1/2 intact. No significant faults.
L	110.9	120.18		14	15A0	±1 [5A6 ± 1] Dk grey to locally black, nearly P&Z foliated, locally rusty brown weathering, slightly calc or dolomitic, moderately hard, to locally soft carbonaceous phyllite. Exhibits "dolomite flash". Exhibits S ₂ stringing in black & light grey. Dolomite flash seems to suggest minor amt. of some carbonate. Minor py & ps locally. Core broken, locally rubble & poker chippy. Tot - 140.5' - upper 1/2 is rusty brn weathering / 140 1/2 - 141.5 IND gauge / 175' - more gauge. / 175 - 195 med. broken / 195 - 205 med. broken to rubble / intact to BOT.

±1 means
borderline
just not 24
hard enough

99 ft. interval w/ 6.5' core recovered. Poor recovery largely 139-181 50% recd.

C.A.M.C. 1981-E-3A

Date: July 9/84 Logged By: GAL/LCP

Core	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	12018	12019							151012	Q	
											ate-carbonate vein - doesn't fix w/ 20% unless scratched Parallel S ₂ w/ orange weathering carbonate as platy crystals across S ₂
L	121019	131130							16	151A10	
											± 1 ± 1 Moderately hard, dk grey to black, strongly color-striped, graphitic phyllite. Has "dolomite flash". Nearly P ₂ Z foliated w/ 1-5 mm S ₁ bearing lithons separated by dk grey to black, softer, S ₂ carbonaceous folia. S ₂ folia are the parts that generally give "dolomite flash". Contains isolated lithons & bands of granular Qtz + orange-tan weathering carbonate (dolomite + calcite). Minor py & po disseminated - largely as thin blebs along S ₂ & S ₁ and Qtz-bearing segregations and post-S ₂ fractures. Sulfide largely py. Border line to 5A1 Core intact - locally broken - esp. last 2' locally peck chippy Recovery ok No major faults
L	131113	131130							17	151D14	*
L	131113	131511							18	151A10	
											± 1 ± 9 minor [5A6 ± 1 ± 9 minor] (5A19 minor) 70:30 Mod. hard to locally very soft/hard, dk grey to black carbonaceous phyllite (as above) Generally exhibits "dolomite flash". Contains minor bands of py + po in phase bands (near center of unit). Mod. broken but no significant faults Recovery - may be some core loss in lower 1/2 of unit - more broken w/ minor gouge Coarser more phase bands from better lithons
L	131511	131512							19	151D14	*

± 1 broader
the
slightly tilted

Traces of "fuchsite" Rusty orange-brn weathering, PS2 (or PS1) fHed, C.A.M.C. 1981-E-3A
w/ finely granular texture. No pronounced layering. Presumed carbonated mafic metavolcanic Contact
knife sharp "S₂". No alt. in carbonaceous rocks. Mol. intact.

Lithologic Log

Date: July 9/84 Logged By: GAI/LCP

Code	From	To	Recov.	No.	Unit	Description
I	10 14 16 20 22 24 26 28 30 34 35					
L	131525	141219		110	15A101	$\pm 1 \pm 9$ v. minor $\pm$ minor (5A11) Dk. grey to blk, med. hard to hard, carbonaceous siliceous phyllite. Pg, pin & some sphel. dissem. along SZ & S, & some ~~these~~ bands. Rock locally intercalated dk grey & black nearly PSE flint black white lighter grey units resemble fine grained bands in 4A - implies perhaps meta-cherts. Has "dolomite flash" locally - except where it is really hard. Rock has characteristic very fine laminated texture in black & dk med. grey. Rock extremely hard where that texture is well developed 2 1/2 inch band of pg w/ minor calcite at 396'. Minor interbeds of possible dolomitic siltstone. Mod. broken ^{Minor gouge} TDI-390 / intact 390-406 / mod. broken 406-EOI. Post SZ veining qtz-carb. & possible minor faults. Nothing significant
L	141219	141660		111	15A11	gouge - fault Mod. hard to med. soft, dk grey to black, highly broken & sheared, carbonaceous phyllite. Locally "dolomite flash". Similar to above only very broken 60% recovery. Considerable FADZ gouge. 450'-460'. Sections of steep SZ & steep fractures at TDI fractures 20° C.A. Shearing - steep in middle of zone. Bottom TAD. Steeply dipping normal fault. (?)
L	141660	141690		112	15A101	~~(5A11) 70-80~~ Dk grey, med. hard, carbonaceous phyllite. "Dolomite flash". Intact ~~Two rock types gouge into each other~~
	141710			113	15D141*	Feld nose / intact

borderline

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L		151080			1114	51A101	± 1 ± $\frac{1}{2}$ ^{minor} v. minor (5A19 ^{minor}) 70:30				
							Mod. hrd to locally hrd or soft, dk grey to black carbonaceous phyllite				
							"Dolomite flash" from dk bands. Minor dissem py, po, sphal in				
							the bands // S ₂ folia. Mod. lithons where banding coarser -				
							generally lithons are small. Thin orange-brown weathering dolomitic				
							silts. fine bands One 4" layer 504' at 502'. Intact to				
							mod. broken TOI-500/500-EOT mod. broken w/ minor IND gauge				
							Two units are gradational				
L	151080	151120			1115	51E121	[3F9]				
							Thinly laminated, dk grey carbonaceous limestone, finely v. fine				
							massive. Intact				
L	151120	151140			1116	51A101					
							Dk grey, slightly calcareous (?), carbonaceous phyllite / Intact				
L	151140	151250			1117	51A141	→ 5A0				
							Dk med. greenish grey, mod. hard to soft, phyllite w/ possible chlorite				
							(greenish colour) Interbedded calcareous bands. Does not look like 5A.				
							Suggest alteration adjacent to fault. Grades downhole to dk green				
							phyllite Mod. broken w/ local rubble				
L	151250	151280			1118	51A141/2T					
							Dk grey rubble w/ some greenish grey chunks IND				

Potential
conodont
rock -
Sampler
and give
to GSC.

DDH C.N.R. 7.60.2
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 7 of 13Date: July 9/84 Logged By: GAI/LCO

Code	From	To	Recov.	No.	Unit	Description
I	10	14	16	20	22 24 26 28 30	34 35
L	151218	161100		119	15A101	$\pm 9 \pm 1$ (5A19) 80: ~~10~~ 20 Mod. hard to locally very hard, dk grey carbonaceous phyllite. "Dolomite flash" locally. Contains thin bands of gr-calcite- dolomite (?) - minor py siltstone (?). Minor sphal. in gneiss bands along sl. basal very thin (3mm) olive-greenish grey possible buff bands. One foot intervals of extremely hard black phyllite with po dissemination along Sz - chert? Last 10' has thin interbands of py + py as blebs along folia. Intact to mod. broken - no major faults.
L	161100	161150		120	15A111	± 9 minor Hard, dk grey to black, carbonaceous, fine grained phyllite w/ minor dissem. po + py. Lighter colored bands resemble darker bands in 4A. Intact. No "dolomite flash"
L	161150	161230		121	15A101	± 5 (?) calc-silicate minor Mod. hard, dk grey phyllite w/ gr-calcite $\pm$ dol + py in lithons. Intact
L	161230	161660		122	15A111	± 9 minor Hard to very hard, dk grey to black, phyllite. Sz foliated carbonaceous phyllite. Minor po + py along folia & in gr blebs. Intact to mod. broken, no signif faults. Small brd vein 624' 25° C.A.

sl borderli

minor
calc-silicate
mineralogy

1 borderli

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 36					
L	161610	181012		1213	15A01	± 1 minor ± 9 minor ± calc.-silicatic Med soft to med. hard, dk gray to black, variably calcareous, carbonaceous phyllite. Short sections of greenish calcite - ph. - calc.-silicatic lithons forming bands. Short sections very hard. Minor py & py py > py bands along S1 & S2, blocks along S1 & S2. "Dolomite flash" TOI - 770 intact to locally pitted cherty / 770 - 780 broken rubble w/ 40% TOLD gunge / 780 - 800 med. broken w/ local rubble. Recov. below 770' ~ 75%
L	181012	191113		1214	15A11	± 9 minor Hard to very hard, dk gray to black, carbonaceous shale. Cuts very small. Resembles 4A. Contains py & arsen. in glass bands forming lithons. Also minor py & sphal. Sulphides also arsen. along S1 & S2. Contains minor interlayers of coarse ph. - calcite - calc-silicatic forming lithons. Minor "dolomite flash" Characteristic fine laminations along S1. Beautifully intact
L	191113	191210		1215	15A01	c.s. (5A1 ± 9 minor) 70130 Med. hard to hard, dk gray, variably calcareous, silt phyllite. Two rock types A - med hard phyllite w/ greenish (calc.-silicatic) calcareous lithons. B - dk gray, very hard, carbonaceous, silt 9 fr py, py, minor sphal Intact

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	191200	191250		1216	5TA11	± 9 minor. Hard, dk grey to black, variably siliceous, carbonaceous phyllite. Minor po, py, possible sphal. basal gts - calcite; calc-silicate bands. Intact
L	191250	191430		1217	5TA10	calc. silicatey $\pm 1 \pm 9$ minor. Mod hard, variably calcareous, carbonaceous phyllite. gts - calcite - calc silicate. Lithomus in 30% of unit. Minor disc po > py Other lithomus are gts. Intact to slightly broken.
L	191430	191680		1218	5TA11	± 9 Hard, dk grey to black siliceous phyllite. No "dolomite flash" Good, fine lithom texture w/ thin laminated light & dk layers S, lighter bands quartz. Locally removes metal. Identical to non-calcareous, non-calc silicatey sections of last unit. Core mod. broken to poker chipping, basal rubble & gouge locally recovery problem. 75% recov. overall Gauge TAD
L	191680	191695		1219	5B1418	0 (??) [425 6 minor] [364 8 3] Mod hard, musc > chlorite, gts phyllite. Minor calcite. Lithom texture. Cannot relate to usual lithologies. Broken & poker chipping

border line 1
doesn't remove
metal yet very
hard.

C.A.M.C. | 98 | - E - 3A

DDH C.N.R. 760.2
2 8

Cyprus Anvil Mining Corp.

Page 11 of 13

Structural Log

Date: July 10/84 Logged By: G.A.J./KCP

Code	From				To				Feature	S ₀ Dip Direct.	S ₁ Dip Direct.				S ₂ Dip Direct.				Description
	1	10	14	16	20	22	24	26			28	32	34	38	40	44			
S					15130	C512					110	01010	55					S ₁ very steep 10/180 to	
S					1890	C512					110	11810	75					S ₁ very steep 20/000	
S					11120	C512							65					C52 → P52	
S					11410	C512							73					C52 → P52	
S					11820	C512							610					C52 → P52	
S					121180	P512D							610						
S					124110	P512D							610					P52 → C52	
S					12610	P512D							60					P52 → C52	
S					12920	C512D							518					C52 → P52	
S					131140	P512							612						
S					134110	P512							75						
S					137150	P512							512						
S					141030	P512							413						
S					142180	P512							515						
S					141890	P512							810						
\$					141890	C513							41521910					post S ₂ crenulations cluge	
S					141610	P512							715					P52 → C52	
S					1510150	P512							615						
S					1511160	C512							615						
S					1516130	P512							715						
\$					1516130	C513					318	3510						post S ₂ crenulations cluge	
S					1518180	P512					710	01010	610						
\$					1518180	C513					215	01010						post S ₂ crenulations cluge	
S					1610125	C512							810						
\$					1610125	C513					413	11810						post S ₂ crenulations cluge	
S					1612145								78						
\$					1612145						512	11810						post S ₂ crenulations cluge	
S					1615100	C512							815						
\$					1615100	C513					415	21715						post S ₂ crenulations cluge	
S					1616120	P512							610						
\$					1616120	C513					410	11810						post S ₂ crenulations cluge	
S					1619140	P512							810						
\$					1619140	C513					215	01010						post S ₂ crenulations cluge	
S					1714160	P512							810						
\$					1714160	C513					410	01910						post S ₂ crenulations cluge	
S					1716190	C512							615						

Structural Log

Date: July 10/84 Logged By: GAS/cco

[illegible]

Faint

Cyprus Anvil Mining Corp.

Page 13 of 13

REC Structural Log
UPPER MIDDLE

Date: July 15/94 Logged By: LCP

 EOH

DIAMOND DRILL RECORD

LOGGED BY STANLEY B. REAMSBOTTOM

D.D.H. No 76-2 PAGE 1

PROPERTY VANGORDA MINES (Drilled by C.N.R.)

LATITUDE 8S STARTED JULY 20, 1976

DEPARTURE 16W COMPLETED JULY 27, 1976

ELEVATION	3875 <i>ft</i>	PROPOSED DEPTH	OPEN
		ULTIMATE DEPTH	1108 <i>ft</i>

HOLE SURVEY:

DEPTH	BEARING	DIP
0		- 90°

76-2

CHAMP 2

CLAIM No CHAMP 2

DIRECTION AND DISTANCE
FROM N.E. CLAIM POST

[illegible]

LOGGED BY

D.D.H. № 76-2

PAGE 2

[illegible]

LOGGED BY

D.D.H. No 76-2

PAGE 3

[illegible]

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: CNR 76-03

Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: ALICE 1

Terr. Plane
Co-ords.: _____ N

E

Grid
Co-ords.: 245 / 8W

All symmetry determinations looking

_____ with _____ dipping

Elevation: _____ with dip azimuth _____.

Total Depth: 647 feet

Purpose: _____

Logged by: _____ Date(s) Logged: _____

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

Started: July 28, 1976 Completed: July 31, 1976

DDH CNR 7603
2 8
FEETCyprus Anvil Mining Corp.
Lithologic LogPage 3 of 8

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	100	150		1	#	Overburden
L	150	430		2	SFO	variously calcareous soft to moderately soft (remained) mud to pale green with slight blue tint. Laminations up to 1 cm thick, lighter colored laminations are calcareous. This is Original 50 field implying SC should be near by. 1 foot near 27' is homogeneous mud green ^{chloritic phyllite} looks like a slightly thicker layer or a fold of more laminated homogeneous chloritic phyllite. Narrowly gradational lower contact. Intact, other than usual top-of-hole breakage, recovery OK.
L	430	1150		3	SBG	(SB80) v. minor medium gray moderately calcareous laminated phyllite - laminae are white to calc bands & ^{dark} shales. Foliation are mud grey to middle grey. Short run (a foot) near 92' is pale green grey with pale grey to pale green grey. ⁵² Foliation 43.6-57.0 = poor chippy to intact 57.0-61.0 = grey & rubble 30% recvy 61-71.0 = mod broken 71-79 = mid-very broken w/ ~75% recvy 79-98.0 = mid broken w/ short rubble zone, minor grey at 82.5 recvy OK 98.0-115.0 v. broken & rubble ~30% recvy

DDH CNR 7603
2 8

Cyprus Anvil Mining Corp.

Lithologic Log

Page 4 of 8

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
L	1115	1220		4	SB0	FAULT BVA					
						med grey breccia with frags of phyllite & calc					
						vein in a med grey micaceous calc flour matrix					
						which at FOI weathers pale tan where it has some					
						chamite in it					
						core moderately broken to intact and probably					
						has something to do with broken rocks just up hole					
L	1220	2810		5	SB0						
						med grey m. soft to soft calc phyllite white calc gte					
						bedded & lithine comprising ~15% of unit					
						minor irregular po porphs					
						has a abnormal amount of short gte calc tension					
						gashes running down core axis					
						122-123 = v. broken with short rubble intervals					
						S ₂ at more acute angle to core axis recvy OK.					
						123-FOI ^{slightly} broken & v. minor local poker chippy, recvy OK					
L	2810	3236		6	SB0	2 \$ MINOR FAULT					
						SB0 calc phyllite on grey soft with tan brown to					
						rusty brown weathering shls bearing zones					
						Interval is broken & poker chippy with minor					
						short ^{IND} gashes & rubble zones - overall 75% recvy					
						most core loss between 296 and 306 ^(3' recvd) and					
						311-323 (3' recvy) - above and below interval					
						are sharp calc & gte fract fillings					

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14 16 20 22 24 26 28 30 34 35					
	1323	4190		17	SBP	soft to moderately soft, variably calc in grey phyllite, T.O.E to 335 pale brown - pale tan weath with abundant gtz calc fracts, 10cm @ 405' with chl - bio assoc with gtz calc microlithons = small metamorphic structure?? Minor irregular po porphs elongated in S ₂ lower contact gradational 10 - locally 50-60% white calc + gtz lithons calc intact, minor IND grage at 418' note that lithons dominantly white in this unit but last 50' contain v. slight "in green" tinge due to dissemin trem - act? but very subtle and part of gradation into next unit.
L	4190	5810		8	SBP	calc silicaty same phyllite as above but less in amount green actinolite readily noticeable in lithons - lithons in this interval are more greenish than white but still calcareous - with lithons - core is moderately soft to soft - intact
L	5810	5923		9	SBP	calc silicaty upper contact very gradational and extremely dark start of significant (to CCP's eye) of green color in the micaceous bands - green color intensifies down hole such that anyone would say SBP80 from 590 down - calc silicaty actinolite still in lithons some of which have minor dissemin po. intact

from 590 down - calc silicaty actinolite still in lithons some of which have minor dissemin po. intact

Code	From	To	Recov.	No.	Unit	Description
I 10	14	16	20	22	24	26 28 30 34 35
L 5133	16132	0		110	SE3	(SE3) 99.3 in dk green, micaceous, basal poorly foliated calcareous matrix basite - calcite forms white streaky splotches - also a pale tan beneath mineral forming minute elongate streaks and desert fizz = calc? - although foliated this interval still retains a basically igneous looking texture SE3 @ 628-629 banded in green & white calcareous (dolomitic? fines slowly) phyllite upper & lower contacts of SE are more foliated with more elongate calc streaks in S ₂ intact
L 1632	1637			111	SE3	[580] ? in green to light in green laminated calc soft ch. phyllite - pale green S ₂ laminae → unresolvable not really typical well defined bedding. 55F but not really homogeneous olive green of 5D and not really with good lithology of 580 - considering amount of it that's enough core is broken to rubble and ^{short} ~~intact~~ IND gauge at 634.0
L 15137	1647			112	SE3	Leopard rock strongly foliated off white and fine grained matrix with calc & dol separated by anastomosing calcitic in - dk green S ₂ folia. upper 1/2 of interval with thicker gr. calc veins giving it a very irregular coarse appearance. intact

647 = 50 ft

DDH CNR7603
2 8

Cyprus Anvil Mining Corp.

Page 7 of 8

Structural Log

Date: _____ Logged By: _____

Code	From			To			Feature	Sym	S ₀			S ₁			S ₂			Description
	10	14	16	20	22	24			26	28	Dip Direct.			Dip Direct.			Dip Direct.	
	1	10	14	16	20	22	24	26	28	32	34	38	40	44				
S					16								47					
S					37								58					
S					53								60				→ CS ₂	
S					83								45				→ CS ₂	
S					92								40					
S					105								60					
S					131								62				→ CS ₂	
S					140								25					
S					168								52					
S					188								65					
S					196								70				→ CS ₂	
S					225								53					
S					240								69					
S					269								72					
S					284								48					
S					310								57					
S					335								57					
S					363								49					
S					375								58					
S					393								71					
S					413								68					
S					428								68					
S					441								70					
S					463								67					
S					478								62					
S					497								68					
S					518								77				→ PS ₂	
S					537								67				→ CS ₂	
S					557								76					
S					582								70				Fracture set at 055/38	
S					590								71					
S					613								73					
S					637								80					
S					646								71					

✓-EET

F-seeht

DDH C.N.R.7.6.0.3
2 8

Cyprus Anvil Mining Corp.

Page 8 of 8

Rev ~~Structural Log~~

Date: July 15/04 Logged By: LCP

[illegible]

DIAMOND DRILL RECORD

LOGGED BY STANLEY B. REAMSBOTTOM

D.D.H. No 76-3 PAGE 1

PROPERTY VANGORDA MINES (drilled by C.N.R.)

LATITUDE 24S STARTED July 28, 1976

DEPARTURE 8W COMPLETED July 31, 1976

ELEVATION	3560 <i>ft</i>	PROPOSED DEPTH	Open
		ULTIMATE DEPTH	647 <i>ft</i>

HOLE SURVEY:

DEPTH	BEARING	DIP
0	0	- 90°

76-3

ALICE 1

CLAIM NO

- DIRECTION AND DISTANCE
FROM N.E. CLAIM POST[illegible]

LOGGED BY

D.D.H. No 76-3

PAGE 2

[illegible]

DDH FLAX 01
2 metres 8Cyprus Anvil Mining Corp.
Lithologic LogPage 3 of Date: 6 Aug 84 Logged By: LCP/GAJ

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	10	12.8			1	#					traced no recvy
L	12.8	14.72			2	#					granitic boulders - 5.5 m recvd.
L	14.7	17.7			3	3G9					±0
											med grey to dk grey, non calc, ps ₂ foliated, homogenous phyllite; S ₂ folia weath rusty orange brown; Thickly banded between med and dk grey; dk grey bands locally 1-2 m thick Short intervals 20 cm - 50 cm of brown & green/blue green banded non calc bio-act phyllite / calc silicate at 72-72.4 & 76.6-76.8
											Core is moderately to very broken locally poker chippy no faults 80% recvy overall RPD = .01!
											10 cm granite boulder at 69.3 ~ 70% dk grey 30% med grey
L	17.7	18.0			4	3G9					±3 minor
											dk grey mod soft to mod hard, ps ₂ fol., homogenous phyllite, generally non calc with thin dark slightly calc bands up to 3' cm thick - S ₂ folia weath orange brown locally
											Core is very broken to rubbly ~ 90% recvy no significant fault
L	18.0	18.09			5	3F9					
											dk grey, ps ₂ fol., mod soft to mod hard, finely xln, calcite mbl has banded white gtz texture. mod broken, recvy OK poor excuse for the usual carbonaceous phyllite / 3F9 plg

DDH 81 AX01

2

8

Cyprus Anvil Mining Corp.

Lithologic Log

Page 4 of Date: Logged By: LCP/CAT

Core	From	To	Recov.	No	Unit	Description
I	10	4 16	20 22 24 26 28 30	34 35		
L	82.9	93.1		6	360	med soft to soft med to med dk grey, P₅ fol, non calc phyllite. Partly laminated, in shades of grey possibly related to slightly more gneiss bands/lamine (locally = microlithons) best developed in last 1/2 of interval - no distinct green disseminated mineral in gneiss bands. (to A7 - 36) Cone is v. broken - rubble to 82.9 15% m record remainder of unit is intact
L	93.1	93.5		7	363	Bio [30-] banded brown & green, med soft, slightly calcareous phyllite - calcite mainly in thin g₂-calcite-calc sil bands/veins - ^{lower} upper contacts sharp. brown = bio intact
L	93.5	106.6		8	360	med soft, med grey to med dk grey, P₅ fol, non calc phyllite - overall homogeneous; thinly to thickly lam in shades of grey due to gneiss bands locally with minor disseminated green mineral & minor biotite 15 cm green & brown band. as #7 at 95.5 calc. sil? 93.5 - 97.3 = med broken to intact 97.3 - 99.3 = med broken with local rubble & conc. gneiss zones recy OK. 99.3 - EoI = intact to med broken

DDH 81AX91

2 8

Cyprus Anvil Mining Corp.

Lithologic Log

Page 5 of

Date: Logged By: LCP/GAJ

From	To	Recon.	No.	Unit	Description
10	16	20 22 24 26 28 30 34 35			
1126	1159		9	3G0	± bio calc sil ± 3 minor ± 9 minor upper contact is 1st appearance of sparse calcite biotite gtz po laminae to bands. mod soft to mod hard, PS ₂ foliated med grey to med dk grey - Biotite and actinolite(?) are locally readily visible in bands - lower contact is a color break to slightly darker phyllites chosen to correspond to previously logged unit 106.6 - 109.4 = intact 109.4 - 110.3 = mod broken with 10 cm gouges at top and bottom both IND 110.3 - 115.4 = ^{mod} broken to intact
1115	1119		110	3G90	mod soft to mod hard, PS ₂ striped to PS ₂ fol. dk grey to blk homog phyllite. Non calc. Very minor discontinuous po streaks along S ₂ S ₂ folia v. dark grey mod broken
1119	1143		111	3G01	"calc silicatey" ± bio minor mod hard to mod soft, grey to med grey, non calc overall homog PS ₂ fol. Phyllite. Contains ^{granular} gneiss bands with disseminated mineral ± po ± bio ranging from 1 cm to > 3 cm thick - mainly < 10 cm. - Locally lithified generally very thinly bedded to thickly laminated intact to mod broken, very good

Note possible black msp. after andalusite or
chloritoid

DDH 81A.X.01

Cyprus Anvil Mining Corp.
Lithologic Log

Page 6 of

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description					
11	10	14	16	20	22	24	26	28	30	34	35
L	143	145			12	363	calc silicaty + bio				
							similar to #11 but has bands up to 15cm thick of calcite				
							bio actinolite(?)				
							Biotite more evident in this interval than above				
							mod broken to intact good recovery				
L	145	148			13	360	bio + "calc silicaty" minor				
							soft to moderately hard, ps fol, med gray, non-calc phyllite				
							Bands up to 30 cm thick have abundant bio in matrix				
							Contains granular gneiss bands with discern actinolite - these				
							bands also carry most of the biotite as opposed to				
							phyllite bands.				
							mod broken to intact local potterchippy				
L	148	149			14	360	Bio "calc silicaty"				
							homogeneous mod soft ps fol granular looking slightly calc				
							bio actinolite phyllite (chlorite?) bio > actinolite				
							Separated out since slightly calcareous - also happens to				
							be more bio rich -				
							closely related to granular gneiss bands in				
							adjoining units				
							intact				
L	149	159			15	360	"calc silicaty" ± bio ± minor				
							mod to med dk gray, non calc, homogeneous, soft, ps fol.				
							Phyllite Abundant greenish granular gneiss bands ^{small ribbons} locally				
							with bio in relation to actinolite/chlorite - typical of				

36 "calc silicaty" whatever that means.

149.2-154.4 = intact to mod broken

154.4-158.1 = potterchippy, rubble, broken, incip gneiss, recovery OK - minor IND. Fault

158.1-159.5 = intact to mod broken.

C.A.M.C. 1981-E-3A

DDH 81AX01

Cyprus Anvil Mining Corp.
Lithologic Log

Page 7 of

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description
	10	14	16	20	22	24
	26	28	30	34	36	
L	159.5	162.1		16	3690	mod soft PS ₂ fol in calc dk grey phyllite v. minor thin streaky discontinuous ss laminae - minor granular gtzose bands intact but for 161.0-161.3 is rubble fine gr. ss.
L	162.1	177.7		17	3690	9.5 calc silicified ^{to mid grey} $\pm$ bio mod grey PS ₂ fol, mod soft to mod hard, non calc. Phyllite Locally has granular gtz bands with act/chl & locally bio Lower contact is structural contact not strictly lithostratigraphic No andol visible. Thickly banded in shades of grey Core mod broken to locally very broken Tot - 169.7 169.7-173.2 = v. broken to rubble ~80% recov 173.2 - EUT = m. broken to locally v. broken.
L	177.7	189.7		18	3690	calc silicified $\rightarrow$ 3690 (SD64) downwards so: so: minor upper contact is start of local interleaved fault rock and shearing along S ₂ producing structural truncation of S ₂ 11 bands/lithos - unit similar to above unit - 3G with gran gtz bands with actinobite/chlrite. Downwards unit changes from m. grey to m. dk grey lose granular gtz bands and upper to gain thin SD6 tuff bands at ~186.5 Unit is non calc. mod soft to soft, lowermost 1m has off reme slightly bleached appearance and is uncertain whether this is derived from phyllite or the underlying schist unit.

Code	From	To	Recon.	No	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	36	
												Core is overall most broken to rubble, recvy ok 178.9 - 179.1 = 20 cm gauge - related to steep fault at 27/100 (= upper contact)
L	189	192	0		19	BXA						dk grey + lt grey fth rx marking transition from generally darker rx up hole + lighter rx down hole - interval all rubble - internal scaly foliation at ~35° to core axis - locally slickensided Steep fractures at bottom This would have to be the major mover between units 17 and 21 ??? 0.6/22 m recvd.
L	192	202	6		20	BSP						(1000 and) [ICD retrograded] med grey moderately soft non calcareous P ₂ foliated Phyllite? locally with zones of disturbed S ₂ - locally rubble and with minor interbedded fault rock. lower contact is marked by the highest point where convincing schist with biotite is seen. entire unit may be retrograded schist - very broken to rubble ~70% recvy overall contains a lot of quartz veins

DDH 81AX 01

Cyprus Anvil Mining Corp.
Lithologic Log

Page 9 of

Date: Logged By:

Core No.	From	To	Recov.	No.	Unit	Description
1	10	14	15	20	22	24
2	26	28	30	34	35	
L	2028	2062		21	ICD	retrograded ICD487 mod soft to mod hard PS_2 fol, med greenish gray, non calc. Schist is retrograded to overall greenish color - can see relict porphs of staur biotite $\pm$ garnet $\pm$ possible andul clots - contains minor Zr veins with coarse pink andul. lower contact is based on more readily visible biotite in original rock T.I. to 203.4 is broken 203.4 - EOI is intact
L	2062	2135		22	ICD	$\pm 4 \pm 8$ Same as last unit bio musc, staurolite, $\pm$ andul (minor) schist with only patchy retrograding - well developed S_2 banding Minor andul clots retrograded to dk green. 211.2 - 211.3 = SC34 Leopard rock, calcareous Intact
L	2135	2182		23	ICD487	± 1 mod soft to hard m. green, chloritic phyllite contains intervals of relict ICD schist - contains abundant fractures with stringy irregular PO at acute angle to core axis near these fractures core is harder. Fracture controlled alteration of pelites implied by relict schist texture, relict andul. $\pm$ degree of fracturing upper contact sharp 115° & marked by change from bio to chl - lower contact gradational with gradual return of "matrix" biotite intact

DDH 81AX01

Cyprus Anvil Mining Corp.
Lithologic Log

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Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
L	2182	2247		24	1CD	$\pm 4 \pm 8$ biotite musc staur andul. (both fresh & green clots) schist with variable retrograde(?) chl (in "matrix") intact - as unit 22					
L	2247	2280		25	1F	$810 \pm 3 \text{ mm} (1CD) 60:40$ mod hard to hard, ps ₂ foliated, homogeneous chl phyllite with thin discont. bio rich bands (~5% of these chl phyllites) contains interbands of typical bio musc. staur 1CD schist 15-30 cm thick bottom 0.5m is slightly calc. Uncertain whether altered pelites or metabasites - contrast with definite pelite sharp // S ₂ this plus homog nature of chl rx suggests possible metab. intact					
L	2280	2294		26	1CD	$\pm 4 \pm 8$ musc bio staur minor andul schist - also contains 1cm m. green andul.? clots - minor "matrix" chl intact					
L	2294	2302		27	1H4H	homogeneous, tan weath, off cream, fine grained, clobauitic metabasite - more foliated on margins abundant fractures					
L	2302	2350		28	1CD	48 mod soft homogeneous in green, non calc. chl phyllite/schist locally with good relict 1CD schist textures - locally homog to poorly banded in shades of green to olive green - looks like a high grade equivalent to the SR8/SD problem wrt what pelite & what's possible metab. G.E.H. lives at amphibolite facies!!! Confusion reigns. core intact					

C.A.M.C. 1981 - E-3A
amphibolite facies!!!

DDH 81AX01
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 11 of Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
L	235	257			29	11CD	→ IC downwards.					
							bio musc, staurolite, garnet, chl. schist - homogeneous -					
							PS ₂ foliated. Abundant staurolite - mod to minor but					
							ubiquitous garnet. Locally has white spotted					
							appearance due to possible small plagioclase					
							porphs.					
							minor green chlorite - andalusite clots at top of interval					
							upper portion of interval also marked by porphyroblastic					
							biotite in a musc rich matrix (with minor chl) most bio along					
							S ₂ however. [not clear in context of this hole whether					
							looking at new bio on retrograde schist or just new bio in					
							a matrix with minor unreacted chlorite]					
							lowermost 20 cm is med green slightly calcareous and					
							appears to be amphibole rich transition to next					
							unit - Not clear if ^{hydro} metasomatic interaction or just					
							a compositional gradation - LCP favors latter.					
							Transitional lithology since andalusite is not so visible at					
							end of unit					
L	257	268			30	3F ₀	Bio					
							med hard thickly lens - very thinly banded med xln.					
							blue grey mbl with abundant brown biotite banding					
							bands/lamine. 30-50% silicate assemblage.					
							Intact					

DDH 81AX01

Cyprus Anvil Mining Corp.
Lithologic Log

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Date: Logged By:

Core ID	From					To					Recov.	No.	Unit	Description
	10	14	18	22	26	20	24	28	32	36				
L	268	14	15	20	22	24	26	28	30	34	35	31	3FD	biot + calcsil
														similar to above but with thin bands of medium green calcite (actinolite) with biotite bands
														banded silicates locally up to 50 cm thick but generally
														thinly banded to thickly laminated -
														overall core intact
														273.4 - 274.6 = local rubble + calc sil layers are cream/white
														soft pinky clay (?) - possible small fault or groundwater leaching
L	275	18	19	20	22	24	26	28	30	34	35	32	3D	amph + epi
														hard, medium, homogeneous, PS ₂ foliated, non calc to locally slightly
														calc. chloritic schist - only minor matrix calcite most is
														in X-cutting calcite + gtz + po fractures
														yellowish green color interbanded with darker medium green
														suggests epidote bearing interbanded with actinolite/
														chlorite bearing
														Overall texture suggests altered pelite with fracture
														controlled metasomatism to calc silicate (= "Intuitive
														Guess" i.e. B.S.)
														intact
L	278	18	19	20	22	24	26	28	30	34	35	33	1CO	± 4 ± 8
														muscovite, stau, garnet, gtz chl schist PS ₂ fol. well
														developed garnets - no readily visible andalusite - no readily
														visible chlorite clotted but does have chl in "matrix"
														intact - as with all the schists in this hole there is
														Some question if the chl. is retrograde or relict unreacted
														prograde assemblage thus the ± 4?

C.A.M.C. 1981 - E-3A

303.9 = EOH

DDH S1 AX01
2 m. 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: Logged By: LCP/GAJ

Code	From	To	Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
1	10	14 16	20 22 24 26 28	32 34	38 40	44	
S		480	PSZ			73	
S		542	PSZ			78	
S		587	PSZ			79	CSN = 42/000
S		618	PSZ			83	CSN = 40/180
S		658	PSZ			68	
S		726	PSZ			77	
S		759	PSZ			72	
S		805	PSZ			61	
S		850	PSZ			55	CSN = 15/035
S		905	PSZ			75	CSN = 30/040
S		940	PSZ			73	CSN = 50/000 ± 25/000 due to refraction?
S		997	PSZ			60	CSN 25/000
S		1040	PSZ			78	CSN 45/200
S		1107	PSZ			64	
S		1146	PSZ			61	→ CS ₁
S		1209	PSZ			80	
S		1273	PSZ			68	→ CS ₂
S		1316	PSZ			80	
S		1380	PSZ			78	
S		1433	PSZ			80	
S		1491	PSZ			85	
S		1508	PSZ			82	CSN = 56/180
S		1536	PSZ			78	
S		1557	PSZ			34	
S		1590	PSZ			65	
S		1627	PSZ			75	
S		1672	PSZ			63	
S		1720	PSZ			70	
S		1805	PSZ			63	
S		1848	PSZ			66	CSN = 29/000
S		1943	PSZ			67	
S		2012	PSZ			72	CSN = 40/000
S		2085	PSZ			85	CSN = 35/000
S		2127	PSZ			40	
S		2198	PSZ			52	

note
b2 is
pass. b2
close to
dip

Date: _____ Logged By: _____

C.A.M.C. 1981 - E - 4

DDH EAB/AX 2

2

8

Cyprus Anvil Mining Corp.

Lithologic Log

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Date: Aug 7/84 Logged By: EAI/CLP

From	To	Recov.	No.	Unit	Description
10	14	16	20	22	24
26	28	30	34	35	
A	11/6	11/6			Overburden - Trisond - No recovery Minus 2/3 drilled granite boulders
L	11/6	13/3	12	3161	± 9 minor Mod soft to locally med. hrd, PS2 flt, med to dk med grey, nonscale phyllite. Overall homogeneous - in detail thin to thickly lam parallel SS in shaler grey to light greenish grey, reflecting presence of slightly harder, more glass, microcline forming laminae. w/ very minor diss fine green mineral (after siltsone?) TOT = 215 strongly broken, locally taken chips w/ short runs rubble, gauge (T20), incip gauge No faults / 215 - EOT med broken to intact 31.1 small flt 45° C & D No oxidation at top of hole ± 9 minor for short darker grey intervals
L	13/3	13/5	13	3161	calc-silicate bio minor (38.3 bio) 80:20 Mod. soft to med hrd, thickly lam to thinly banded in hrd & gang green & grey PS2 flt, locally calc, chlorite-biot phyll. Overall - unit impression is ssitane rich 38 of interbands 10-30 cm 38.3 of patchy biot in homogeneous green chlorite-rich phyllite. Veins qtz-cs-epidote 1 of 38 for abundant glass (greenish) bands / laminae - contain well developed green mineral & minor bio. Towards EOT interband of carbonaceous phyllite like next unit Intact Similar to calc-silicate intervals at top of DDH 81-A1-01

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
L	135	143			14	3601	"calc-silicaty" $\pm$ bio minor Med grey to dk med grey, PSZ fltd, med soft to locally med hard, noncalc phyllite. Similar to Unit #2 w/ more abundant bio in lower portion. Ass. of greenish grey, more phos bands. Med. to v. biten - locally rubble. No signif faults.					
L	1432	1471			15	3619	± 3 minor (360) 80:20 Dk grey, PSZ fltd, locally calc, homogeneous, med soft phyll. Interlayered w/ med soft, med grey, PSZ fltd, noncalc phyllite. Carbon. phyll have minor po + py diss along S2 as streaks & in ph lenses parallel S2. Carb. rocks are more sugcky bearing than lighter, non-carbonaceous rocks. Cc. confined to upper 1m. - carbonaceous. Med to v. biten, lower to approaches rubble. Recovery 75-80%. No signif faults - carb. lith. more rubble.					
L	1474	1549			16	3610	± 9 minor Med soft to med hard, PSZ fltd, noncalc, med greenish grey phyllite. Thinly to thickly laminated but overall homog. Interlayered w/ minor darker grey versions of same phyll. laminations due to soft dk grey to med grey phyllite & slightly harder, coarser, light greenish grey bands/lithol. Similar to prior units. Small dk lenses along S2. 2mm thick, 1cm long - fairly hard - may be flattened chert nodules. Med. biten - approaching rubble. RB near 0.					
L	1549	1604			17	3619	± 0 minor Med soft to med hard, dk grey, noncalc, PSZ fltd, homog, slightly carb phyll. interlayered w/ lesser dk med grey phyllite. Similar to last Unit #6. Peter rocks minor. diss. po-py streaks along S2 & assoc. w/ gte lenses along S2. Short sections contain harder, greenish. Last 3 units mainly proportions carb/non-carb. they could be lumped. Med. to v. biten, minor rubble EOT					

these bands similar to next Unit.

C.A.M.C. 1981 - E-3A

Date: Aug 7/84 Logged By: GAI/KCP

Core ID	From		To		Recon.	No.	Unit	Description
	10	14	16	20				
L	160	11217				8	31610	"calc-silicatey" Med. hrd to med. soft, med. greenish grey, homog, noncalc, P52 f140 phyllite thinly to thickly laminated in shades of grey & green to greenish grey. Grey micaceous folia separating slightly, no phase bands / micro-lithons. These bands have green mineral diss - ident. by uncarbon - chlorite or actinolite? No gradational changes in coarseness or abundance of green mineral. Bio not noted. Unit 20% coarser phase bands, 20% soft grey phyllite (no green mineral), 60% finely granular qtz-actinolite / chlorite - musc phyllite w/ internal green size / internal composition. A 25 cm band of slightly calc, P52 f140, med soft to med hrd, chlorite - v. minor biotite, 382 ± 3 band at 105.0m. Unit intact w/ good recovery w/ exceptions at 61 minor rubble ass. gte vein / 86.4-87.0 small fault 32/070 w/ incip. gneiss / 118.6-118.9 rubble & IND gneiss / 126.8-127.1 brkn & rubble possibly related to small steep fault. Upper contact gradational over 1m. 118.9-EOI med brkn to intact No signif. faults
L	11217	11348				9	31611	Dk. grey, med. soft to med. hard, P52 f140, overall homogeneous, noncalc phyllite. Minor thinly interbedded, light grey qtz-rich intervals w/ no readily visible green mineral - look like silty-sandstone interbeds. Not much sulphide - minor po in fractures & locally diss along S2. Med-stc brkn TOI-133.0 / w/ minor rubble / 133-EOI v. brkn to rubble w/ IND gauge lumps. Lower contact grad. Upper contact minor fault. Recovery 75%
L	11348	11399				10	31610	"calc-silicatey" / minor Med greenish grey, med hrd to med soft, P52 f140, noncalc phyllite

Thickly lam. in shades grey & light to med greenish grey due to phase bands / lithons. Overall homogeneous. Appears to contain more abundant, coarser, light grey phase bands than Unit # 8. / for abundant qtz silty bands. Intact to 138.1 / 138.1-EOI v. brkn locally rubble, minor IND gauge.

Date: Aug 7/84 Logged By: GAI/LCD

possible
chloride??

C.A.M.C. 1981 - E - 3A

Cyprus Anvil Mining Corp.
Lithologic LogDate: Aug 7/84 Logged By: GAI/LCP

No.	From	To	Recov.	No.	Unit	Description
1	10	14	16	20	22	24
2	26	28	30	34	35	
1	11613	11615		113	3G91	calc-silicatey bio Thickly lamin. to v. thinly bedded, dk grey, med green, locally brownish, hrd to med. hrd, generally noncalc. calc-silicate & med. carbonaceous phyllite. 2/3 interbedded green to brown calc-silicate in dk grey, noncalc, med soft to med hrd phyllite. Intact except for minor rubble 164.6m.
1	116150	116180		114	31F91	bio (3G9 calc-silicatey bio) (3G91) 80'15'05 Hrd, dk grey to blk, finely x-line, thinly laminated massive thinly lamin w/ brownish dk grey biotitic carb. phyllite. Interbedded w/ 0.2-0.3m hrd, dk grey to black, noncalc, siliceous, carb phyllite & variably calc calc-silicates. Intact Calc-silicate like last unit #13. Has po, minor py, & possibly sphal rather than bio
1	116180	11713		115	31G91	(3G9 calc-silicatey bio) Med. hrd to soft, Background rock soft dk grey to blk, noncalc phyllite. Contains interbedded (var. proportions) of hrd yellowish green to light greenish grey to brown, noncalc, calc-silicates. C-s. v. well developed in upper 2m & less so in last 1/2 m. Phyll. dominant elsewhere. Minor diss & fracture-bound pot py where calc-sil. rich. Med. blk to intact 0.3m rubble & incip. gang. FDI Insignif fault at 30°/180°
1	11713	11716		116	31C13	±4 Mottled, calc, chlorite phyllite. Intact

DDH B1A.02
2 8Cyprus Anvil Mining Corp.
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Code	From	To	Recon.	No.	Unit	Description						
I	10	14	6	20	22	24	26	28	30	34	35	
L	11711	11717	3			117	36101	"calc-silicate" ± 9				
								Mod. soft to med hrd, med greenish grey, generally noncalc, PS2 flt, phyllite				
								Contains interlayers of slightly calc chlorite-bis phyllite 174.4 - 175.1.				
								Similar to Units #12 but banding is less well developed Greenish grey				
								phase & noncalc, grey, pelitic bands. Becomes more pelitic rich downhole.				
								Pelitic bands become slightly darker grey downhole. Mod. to v. broken.				
								Recov. OK				
L	11717	11811	3			118	36191	Mod. soft - locally med hrd, dk grey, PS2 flt, noncalc phyllite. Contains				
								minor greenish grey, phase interbeds. Mod. to v. broken. Mod. broken to				
								intact TOI 179.8 / 179.8 - 180.9 has 0.5m. rubble & IND gauge / 180.9 -				
								EOI mod. broken. EOI has possible relict andal - dk weathering on cut surface				
L	11811	11813	2			119	316101	"calc-silicate" ± 4?				
								Mod. soft, med to light greenish grey, PS2 flt, noncalc phyllite. Contains soft				
								dk grey carbonaceous interbeds / laminae between harder granular phase				
								bands / laminae. Texture similar to 36's up DDH. Similar to rocks				
								below fault zone which is next unit - then dk grey bands are darker grey &				
								seem more carbonaceous				
L	11813	11816	4			120	36148	Fault				
								Mod greenish grey, noncalc, PS2 flt, mod. soft phyllite similar to last				
								Unit (#19) S2? flt, steeper & prominently slickensided & polished and				
								has siliceous feel. Fault zone - fr steep fault. 25° C.A. (S2)				
								slicks random major axis of ellipse EOI relations suggest fault dips same				

direction as S2 - but uncertain (fractures of same orient as S2 within zone)
Strongly broken to rubble. Recov. basically OK.

DDH B1-AX-02
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 9 of Date: Aug 7/84 Logged By: G.H.J./LCP

Code	From			To			Recov.			No.	Unit	Description
	10	14	16	20	22	24	26	28	30			
L	11864	12039								121		Med to light greenish grey, P ₅₂ flak, noncalc, homog, med. soft to soft, chlorite-musc phyllite. Locally coarse relict porphy - some rounded & relict diss. staurolite? (not staurolite). Possibly this is a retrograded schist. Not very different from rocks in fault & above fault. Last 3m. tends to weather brn. TOT - 194.4 intact / 194.4 - 194.7 gauge & incip. gauge / 194.7 - 196.9 intact / 196.9 - 197.2 gauge & rubble fault 25-30° C. / 197.2 - 199.0 intact / 199.0 - 202.6 gauge & rubble steep fault zone similar to last Unit. Recov. bar 0.5m / 3.0m recovered / 202.6 - 203.9 intact. Rocks weather finely adjacent to fault. Look dolomitic - don't fizz in 20% HCl when powdered. Ankeritic? First good schist textures are in interval 202.6 - 203.9.
												NB. Abrupt metamorphic transition. Similar to B1-AX-01. Not able to readily put finger on the sharp grade change. This contrasts with DDH B1-AX-05 where fault jump is obvious. Perhaps dealing w/ transitional lithologies as horses in large fault zone rather than a single discrete fault plane.
L	121017	121069								122	31C13	± bio minor. Med hrd, slightly calc, med grayish green, chlorite phyllite. ± bio. Contains small dk green mottling on cut surface. Cc largely in fractures but also diss in rock. Contains several % diss go locally. Possibly a metabasite. Intact.
L	121069	123143								123	1/C1D14 B	(3B0 bio ± 3) Unit largely med greenish grey, med soft to med hrd, generally noncalc, P ₅₂

flak, retrograded, formerly porphyroblastic schist. largely musc-chlorite w/ local remnant garnet. Upper 6m. has patches of bio preserved.

possible rock
miscount.
20' interval w/
10' core in box.

Date: Aug 7/84 Logged By: GM/LCP

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
		121314	3		1213							Can see ghosts of andal, probable staurolite Upper lam. has also at least 1 40cm interval 383 bio central at 210m. & another above that similar to last unit (208.0-208.5), and also at 228.3-228.6 m. 306 bio ± 4 . TOE-214.0 intact / 214.0-221.0 v. brkn locally rubbly, minor IND gauge / 221.0 - EOI intact w/ local incip. gauge. Gauge insign. small faults
L	121314	3	121315	6		1214	31C21	± 3				Soft to med soft, light to med grey green to yellowish green, slightly calc, chlorite-rich phyllite. Thick laminae to thin bands of grey-green chlorite alternating w/ yellowish green ^{bands which are} felted masses of actinolite? / chlorite? local biot - esp near margins. Slight calc. mainly at margins - internally, cc. ass. w/ fractures - both in fractures & near them. Texture faintly like leopard pelt. Green colour like metabasite. Mod. brkn to intact
L	121315	6	121316	5		1215	11C1D14	8				Mod. hard to med soft, med greenish grey w/ brn tinge. Biot-musc-chlorite schist. Dk green andal clots. Minor possible staurolite. Noncalc. Mod. brkn. S2 folia shiny silvery greenish grey
L	121316	5	121412	0		1216	31C21	± 3 v minor				Same as Unit #24. Calc. very minor near margins. Definitely not normal 3C colour - definitely too grey. Reminiscent of grey, altered metabasite. Lower contact sharp parallel S2. 10cm zone could call bleached margins in adjoining schist next to unit. Intact to mod brkn

DDH 01AX02

2 8

Cyprus Anvil Mining Corp
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Core ID	From			To			Recov.			No.	Unit	Description
	10	14	16	20	22	24	26	28	30			
L	121412	0	121566							217	1C/D4 B	Mod. greenish grey w/ local brown tinge, PSZ feld, muscovite, chlorite-musc ± bio schist. Pyrophyllite of staurolite-garnet-andalusite - all locally still recognizable. Also contains dark clots presumed after andalusite (10-15 clots in every 2.5 m. core). Beautiful pink andrad. in gtz veins. Qtz-feldspathic banding not well developed. Mod. to v. broken. - no signif. faults. Lower 1/2 more broken.
L	121566		121597							218	13C31	± \$ Mod. soft to soft, med grey green to brownish green, calcareous, variably dolomitic, chlorite phyllite. Presumably metabasite. Similar to Units # 26, 24. Only calc on dolomitic. Carbonate between grey-green chloritic folia & in greenish grey or brownish feld. andalusite (?) bands/lenses. Intact. Altered but can't say 4 because of previous use for 4.
L	121597		121612							219	FAIRHAT	GAUGE and RUBBLE light grey-green, muscovite, gauge & rubble. Involves both schist & metabasite (like Unit # 28). Upper contact 20° C.A. Lower contact Tied against gtz vein. Involves both adjoining units. Internally mod. slipping ftn. Recovery reasonable - 75%.
L	121612	2	121814							230	1C/D4 B	Mod. hard to mod soft, med to light greenish grey, chlorite-musc ± bio (minor) schist. Pseudomorphs of feld of staurolite, andrad, garnet. Locally has disc yellowish mica resembling staurolite - generally only mottled. Local preservation.

DDH B/LAX.0.2

2

8

Cyprus Anvil Mining Corp.

Lithologic Log

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Code	From	To	Recov.	No.	Unit	Description
1	10	14	16	20	22	24
				26	28	30
				34	36	
		128148		1310		
						of pinkish-bluish andal. bio clots. Dark andal clots string out along
						52. Stare in both clotted & fresh andal. Noncalc. Last 0.75m
						is hard, green, variably calc calc-silicate — presumably related to next unit.
						Metamorphic reaction rim? (no opposed to compositional variations).
						Contains epidote - diopside(?). Texture somewhat like skarn TOI-274.3
						mod broken to intact. / 274.3-274.6 End gauge / mod broken w/ local
						rubble End gauge 274.6-EOI No signif. fault
L	128148	129118		1311	BIFD	
						v. light med grey to bluish grey, finely x-line marble. Nearly rounded,
						sub-spherical to oval clots of greenish calc-silicates similar to
						EOI of last Unit (#30). Appears to have clots of 5D4*
						Unit contrasts w/ normal 3FD in that v. fine-grained calc. matrix
						w/ wispy irregular lying wrapping around rounded clots (1-4cm diam)
						opposed to usual boudinage). Reminds Gregg of 4H1 fabric (but much finer)
						Fabric probably due to extreme ductile flow Intact
L	129118	131035		1312	11C34	8
						Med. greenish grey to beige, locally w/ brown tinge chlorite-musc ± bio
						phyllite/schist. v. finely banded to thickly laminated w/ dk grey, finely
						x-line calc. matrix to very calc calc-silicate. Calc overall v. calc —
						largely due to fractures / calc bands only about 10% unit. Calc bands are
						dk grey to dk green. local garnet in schist v. broken to rubble
L	131035	131040		1313	11CAB1	9
						Med to strongly ribbon etc-foliated granite. Top is small fault 45° C.A.

2	1	1	8
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Lithologic Log

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Date: Aug 7/84 Logged By: CAJ/LCP

Cod	From				To				Recov.				No.				Unit	Description
I	10	14	16	20	22	24	26	28	30	34	35							
				131014					1313								-not parallel internal fltn No biotite in intrusive	Bottom contact against gauge f rubble Feldspar still hrd so not heavily altered
L	131014			131014B					1314	FAULTIT							GOUGE AND RUBBLE Parent rock? Faint fltn in gouge 50° C.d.	
																	EDH	
																	SUMMARY STATEMENT:	
																	Rocks below Make Believe Fault (presumed) do not readily fit into the classification scheme. Schists are very altered - do not seem to have normal mineralogy. Difficult to determine if they are schists even in place.	

DDH B/LAX.02
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: Aug 7/84 Logged By: GAI/LSP

Core Code	From		To		Feature Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20		Dip	Direct.	Dip	Direct.	Dip	Direct.	
						28		32		36		
S				1177	P.S.2					70		
S				1237	P.S.2					75		CSn 35/270
S				1286	P.S.2					710		crenulation CSn 47/000
S				1312	P.S.2					715		CSn 30/000
S				1356	P.S.2					70		CSn 27/000
S				1399	P.S.2					60		
S				1454	P.S.2					58		
S				1522	P.S.2					74		
S				1624	P.S.2					72		CSn 45/270
												L2 045 to major axis of
												core ellipse
												fine crenulation 070 to
												major axis of core ellipse CSn
S				1671	P.S.2					810		
S				1707	P.S.2					810		
S				1766	P.S.2					82		
S				1823	P.S.2					810		
S				1855	P.S.2					82		
S				1906	P.S.2					710		CSn 40/270
S				1970	P.S.2					69		→ CS2
S				11012	P.S.2					82		CSn 45/270
S				11017	P.S.2					73		CSn 35/300
S				11131	P.S.2					78		CSn 30/270
S				11185	P.S.2					68		
S				11207	P.S.2					810		
S				11219	P.S.2					65		
S				11379	P.S.2					74		
S				11408	P.S.2					63		
S				11466	P.S.2					72		
S				11497	P.S.2					85		
S				11513	P.S.2					75		
S				11616	P.S.2					64		
S				11728	P.S.2					65		
S				11786	P.S.2					75		
S				11833	P.S.2					75		
S				11896	P.S.2					78		

Structural Log

Date: Aug 7/84 Logged By: GLJ/LCP

Code	From	To	Feature	Sym	S ₀		S ₁		S ₂		Description
					Dip	Direct.	Dip	Direct.	Dip	Direct.	
1	10	14 16	20 22 24	26 28	32 34	38 40	44				
S		119.76	PS2					70			
S		120.42	PS2					65			
S		121.10	PS2					78			
S		121.18	PS2					70			
S		122.40	PS2					72			
S		122.88	PS2					75			
S		123.54	PS2					70			
S		123.90	PS2					65			
S		124.32	PS2					66			
S		124.89	PS2					80			
S		125.40	PS2					85			
S		126.37	PS2					60			
S		127.02	PS2					75			
S		127.10	PS2					55			
S		128.05	PS2					70			
S		128.88	PS1?					55			flaser in marble
S		129.17	PS1?					65			flaser in marble
S		129.50	PS1?					60			flaser in marble
S		129.75	PS2					55			
S		130.18	PS2					65			?
S		130.44						75			flaser fabric?
S		130.35						35			ribbon gte fltr.

DDH EA81 AX2
2 8

Cyprus Anvil Mining Corp.

Page 16 of **F** Structural LogDate: Logged By:

Code	From	To	Feature	E N	Dip Direct.	Dip Direct.	Dip Direct.	Description
	10	14 16	20	22 24 26 28	32 34	38 40	44	
F	1,16	2,15	3,B,R					
F	2,15	3,37	1,B,					
F		3,11	1,F,					45° to CA
F	3,55	4,3	2,B,R					
F	4,3	4,7	3,B,R	7				
F	4,7	5,4	3,B,					
F	5,4	6,0	3,B,R	8				
F		6,10	1,R,					
F	8,6	8,7	1,F,G		3,20	0,70		
F	1,18	1,18	R,G,					
F	1,26	1,27	B,R,					
F	1,18	1,26	1,B,					
F	1,27	1,33	3,B,R					
F	1,33	1,34	3,B,G					
F		1,27	1,F,					
F	1,38	1,39	3,B,R					
F	1,39	1,41	1,B,					
F	1,41	1,42	2,B,					
F	1,46	1,48	2,B,					
F	1,52	1,56	3,B,R	7				upper at 40° internal 45-20°
F	1,56	1,59	1,B,					
F	1,59	1,63	3,B,R	8				
F		1,64	1,R,					
F	1,68	1,71	1,B,					
F	1,71	1,71	3,R,G					
F	1,71	1,77	2,B,					
F	1,77	1,79	1,B,					
F	1,79	1,80	R,G,	S				
F	1,80	1,81	2,B,					
F	1,83	1,86	3,F,B		2,5	0,0,0		25° to CA Steep FH
F	1,94	1,94	G,					
F	1,96	1,97	G,R,					25-30° to CA
F	1,99	2,02	G,R,F	1				Steep FH
F	2,14	2,21	3,B,R					
F	2,21	2,34	1,G					
F	2,34	2,35	1,B,					

Field Log

Date: _____ Logged By: _____

[illegible]

CYPRUS ANVIL MINING CORPORATIONDIAMOND DRILL CORE LOGHole Number: CNR 76-04

Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: CHAMP 1Terr. Plane
Co-ords.: _____ N

E

Grid
Co-ords.: 21+50 S / 32 W

All symmetry determinations looking

_____ with _____ dipping

Elevation: _____ with dip azimuth _____.

Total Depth: 678 feet

Purpose: _____

Logged by: _____ Date(s) Logged: _____

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

Started: _____ Completed: _____

DDH C.N.R. 7.6.0.4
2 8

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E
I	2 8	10 16	17 24	25 32	34 39	41 42
T						

[illegible]

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2	8 10
		NO DOWNHOLE SURVEYS DONE

Feet

DDH C.N.R.7.6.0.4
2 8

Cyprus Anvil Mining Corp.

Page 3 of 12

Lithologic Log

Date: July 11/04 Logged By: G.A.J./LCP

Code	From	To	Recov.	No.	Unit	Description
	10	14	16	20	22	24
	26	28	30	34	35	
L	100	1250		1	#	Casing - no core.
L	1250	1470		12		
						Granite boulders (?) - foliated Anvil batholith, 12F etc. flaggy porphyry, schist. Foliation at odd angles to core. Assumed to be overburden.
L	1470	1570		13	5C13	
						Moderately foliated, coarsely mottled, dk to med green & off white calcite-quartz-chlorite metabasite. S ₁ marked by anastomosing dk green chloritic laminae wrapping around light calcareous patches. Very broken & rusty weathering - no significant faults. S ₁ cut by S ₂ coarse crystalline. Duge marked by planar chlorite laminae.
L	1570	1600		14	5A11	
						Dk grey, moderately siliceous, hard, carbonaceous phyllite. Borderline for 1 - but more than normally siliceous. Pkcr chippy. Recovery 10% - no reasons why so poor.
L	1600	1660		15	5C13	
						Similar to Unit #3 (47-57) this short, fine-grained, more strongly foliated zones & some S ₂ foliform gta-calcite veins. Core very broken & somewhat rusty weathering. Minor incipient gneiss.
L	1660	1740		16	5A11	
						Hard to med hard, carbonaceous, siliceous phyllite as Unit #4 (57-60) locally has "dolomite flash". Core very broken & pkcr chippy. Some oxidation on S ₂ surfaces. Small interband of 5C1 (2") near 731.

Code	From				To				Recov.		No.	Unit	Description
	10	14	16	20	22	24	26	28	30	34			
L	740		11100								7	5IC#1	± 3 Mod to strongly foliated, med. to dk green & white & yellowish tan mottled metabasite. Weakly to moderately calcareous - many contain ankermite weathering tan. Interval 83-88 is less foliated & retains believable relict igneous texture - best example seen to date of transition of 5B to "leopard rock". NOTE - put into reference collection + photographed Core intact No evidence this is a D ₂ fold hinge.
L	111100		11250								18	5IA11	9 minor ± 4 minor 9 for minor ga in coarse qtz bands parallel S ₁ & S ₂ (about 1%) S ₂ nearly pervasive except where coarser bands retain some relict S ₁ . Minor interbands of highly weathered chlorite-muscovite phyllite similar to metabasite edges. Core med. to very broken 2' recovery between 110'-116'. Minor core loss for rest of interval. Top to 117 is rubble / below that med. broken to intact / rubble at EOI. Minor "dolomite flashes" ^{coloured} From 122.5-125 short intervals of dk med grey lighter phyllite interbedded w/ unit - both w/ minor sulphidation in bands & veins. Alterations related to next unit? 122-125 rubble w/ 50% recovery.
L	11250		11400								19	5IC31	Similar to Unit #3 () & 5 (). Very calcareous. All strongly to moderately foliated. Carbonate weathers pinkish tan. Mod. broken / recovery OK / no major faults.

Lithologic Log

Date: July 14/84 Logged By: G.A.J./LCP

Code	From		To		Recov.	No.		Unit	Description
	10	14	16	20		22	24		
L	11410	0	11411	0		110	15K114	[5D14]	Hard, med. beige-grey, gr-mass-minor chlorite phyllite w/ amastomosing fracture / foliation bound pyrite. Appears to be altered margin of metabasite. Minor infold of carbonaceous phyllite. Traces of bright green mineral.
L	11411	0	11418	0		111	15A11	9 minor 3 minor	Minor 3 for strong "dolomite flash" which is locally resistant & intense. Core hard to med. hard. Similar to above 5A units. 5A1 units provide reasonable examples of bluish grey weathering when dry. Core mod. broken to rubble / recovery OK / no fault.
L	11418	0	11880	0		112	15C4*	± 3	Not much evidence this is a D2 fold hinge. Similar to above foliated metabasites. Good S ₁ & S ₂ foliations marked by chlorite laminae. Variably calcareous - more calcareous at margins. Top 1.5' is fine grained, well-foliated - 1 st few inches like 5D4* / Bottom 2' is fine-grained, well-foliated rock last bit of which is like 5D4. Top & bottom thought to be derived from chilled margins suggesting looking at sill or dyke because no symmetry reversal. Upper & lower contact S ₁ foliaform / lower contact S ₁ & S ₂ foliaform - both are knife edge sharp. 4" of slight lightening of 5A at lower contact - but not at upper contact. Int 159.2-160.5 is fine grained, well foliated rock w/ reasonable relict igneous texture - same grain size as "chilled margins". Sharp S ₁ foliaform lower

contact & fairly sharp, approx. S₁ foliaform upper contact. S₂ is well developed even. chgs.
Minor fln & fracture bound po & py. Appears to be dyke/sill within dyke/sill. Core intact.

Lithologic Log

Date: July 11/84 Logged By: GAJ/LCP

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	1188	0	12916	7						113	51A11	± 9 minor Dk grey to black, carbonaceous, siliceous phyllite. Very well laminated in shades of black, dk grey, light grey to white. laminations from fractions of mm to cm thick. Locally laminations have good lithons - significant intervals P52 foliated - in these regions S2 laminations rather than lithons. Unit has minor (1mm to 2cm) thick coarser white qtz-pggy bands resembling 4t bands - could be veins. Locally these bands have good banding in S2. Excellent "dolomite flash" - suggestive of calcite but can't get core to fix again - even w/ 20% HCl. Core intact TOI-221 / 221-228 rubble 1 1/2' recovered / 228-241 intact to mod. broken / 241-256 mod. broken to paker chippy w/ minor local gauge, 2' of core loss mainly at top / 256-268 gauge IND, rubble & qtz-crk. filled fault bsa fragments w/ 2' recovered - probable minor fault / 268-273 8" of paker chippy & rubble recovered / 273-284 1/2' mod. broken to paker chippy & rubble 20% recovery / 284 1/2' - EOI mod. broken, rubble w/ minor incip gauge, 6' recovery May not be major fault
L	12916	7	12917	3						114	51D14*	Intact
L	12917	3	13104	5						115	51A11	Black & mutilated. TOI-302 u. broken & rubble / 302-304.6 gauge & rubble - IND 50% recovery Has "dolomite flash"

Lithologic Log

Date: July 11/84 Logged By: GAI/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28 30	34 35	
L	1310145	131080		116	15A11	(10Q9 py) (5D4*) 50:20:30 Rubble of varying lengths, very broken & pecked chipping 1 1/2' recovered
L	131080	131110		117	15A11	As above Very broken & rubbly. 75% recovery
L	131110	131190		118	15A11	Gouge Black gouge & rubble w/ some preserved pieces of fault bre Fault at 30°-50° C.A. based on fabric preservation in gouge 3 1/2' recovery
L	131190	13365		119	15A16	[5A & minor] Dk gray to black, mod. hard to mod. soft carbonaceous phyllite lacks laminations. Softer than above units. & based on "dolomite flash" Core mod. broken to locally rubbly - recovery OK.
L	13365	136170		120	15A16	[5A & minor] (10Q9 py2pa ± @?) 85:15 Exactly as above - & for "dolomite flash" Similar to Unit # 19 (319-336.5) w/ extra qtz veins. Phyllite lacks laminations, mod. soft, P52 foliated.
L	136170	13770		121	15A11	(10Q9) 90:10 Mod. broken to rubbly w/ 7' recovery. Has "dolomite flash"

Mostly intact
minor rubble &
core loss near
qtz. veins

Date: Jul, 11/94 Logged By: GAS/CCR

Core intact Hrs mainly S₂ striping / fine lamination 115

C.A.M.C. 1981 - E - 3A

FEET

DDH C.N.R. 7604
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: July 11/84 Logged By: CAJ/LCP

Code	From	To	Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
	10	14 16	20 22 24 26 28	32 34	38 40	44	
S		1610	P S ₁ 2			815	
S		1680	P S ₁ 2			74	
S		1770	C S ₁ 2 S			80	} in metabasite band could be hinge - a large lithium
S		1950	C S ₁ 2 S			80	
S		110160	C S ₁ 2 S			712	
S		11270	C S ₁ 2 Z			815	
S		11300	C S ₁ 2 S			815	
S		114150	C S ₁ 2			80	→ P S ₂
S		115190	C S ₁ 2			910	
S		11650	C S ₁ 2			910	
S		116190	C S ₁ 2 S			80	
S		117180	C S ₁ 2 S			80	
S		119140	C S ₁ 2			710	→ P S ₂
S		121120	C S ₁ 2 S			65	general S region → P S ₂
S		121210	C S ₁ 2			615	→ P S ₂
S		121510	P S ₁ 2			80	
S		1218150	P S ₁ 2			710	
S		131240	P S ₁ 2			810	
S		131440	P S ₁ 2			58	
S		131440	C S ₁ n		310 010 0		post D ₂ crenulation cleave
S		131890	P S ₁ 2			710	
S		131890	C S ₁ n		215 314 10		post D ₂ crenulation cleave
S		1319190	P S ₁ 2			710	
S		1319190	C S ₁ n		315 314 10		post D ₂ crenulation cleave
S		1412120	P S ₁ 2			810	
S		1412120	C S ₁ n		115 118 10		post D ₂ crenulation cleave around 419' - S ₂ goes through 90° to make different S ₂ /S ₃ orientation
S		1416120	P S ₁ 2			810	
S		1416120	C S ₁ n		410 118 10		post D ₂ crenulations cleave
S		141740	P S ₁ 2			87	
S		141800	P S ₁ 2			818	
S		151120	P S ₁ 2			718	→ C S ₂
S		1513150	P S ₁ 2			810	
S		151600	P S ₁ 2			810	

2600 C S₁ n

30 340

post D₂ crenulation cleave

C.A.M.C. 1981 - E - 4

Feet

DDH C.N.R. 7604
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: July 15/84 Logged By: L.C.P.

Code	From	To	Feature	Upper			Intermediate			Lower			Description	
				S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	S ₃ Dip Direct.	S ₃ Dip Direct.				
I	10	14	16	20	22	24	26	28	32	34	38	40	44	
F	1470	1570	31B											v broken & rusty weathering/ no signif. faults
F	1570	1600	TPA 1											poker chippy - 10% recovery
F	1600	1660	31B											v broken w/ minor incipient gouge
F	1660	1740	TR3B											v broken & poker chippy
F	1710	1770	R31B											v broken & rubble
F	1770	1760	P 3											2' / 6' recovery
F	1770	1725	2B											mod broken to intact
F	1725	1725	R 5											rubbly w/ 50% recovery
F	1725	1740	21B											mod broken
F	1740	1748	R21B											mod broken to rubble
F	1721	1728	ORP 2											rubble 1 1/2' / 7' recovery
F	1728	1741	11B											intact to mod broken
F	1741	1756	TR21B											mod broken to poker chippy w/ minor local gouge - 2' lost
F	1756	1768	GR 1											gouge - IND, rubble, & fault bxn 2' / 12' recov
F	1768	1773	TRP 1											8" of poker chippy & rubble recovered
F	1773	1784	TRB 8											poker chippy, rubble, mod broken 80% recov
F	1784	1796	R21B											mod broken to rubble w/ minor incip gouge
F	1796	1802	R31B											6' / 12' recovery
F	1802	1804	GR 5											v broken & rubble
F	1804	1808	TRB 4											Ind gouge & rubble 50% recov
F	1808	1811	R31B											very broken, poker chippy, rubble 1 1/2' / 3 1/2' recov
F	1811	1819	GR 4											v broken & rubble 75% recov
F	1819	1836	21B											black gouge & rubble w/ some fault bxn 3 1/2' recovery fault 30-50° S.A
F	1836	1836	21B											mod broken to locally rubble

Page 12 of

Date: July 15/04 Logged By: LCP

Recon Structural Log Date

C.A.M.C. 1981 - E - 4

PAGE 1

PROPOSED DEPTH	OPEN
ULTIMATE DEPTH	678'

CHAMP 1

4

**- DIRECTION AND DISTANCE
FROM N.E. CLAIM POST**

[illegible]

LOGGED BY

D.D.H. No

PAGE 2

[illegible]

LOGGED BY

D.D.H. No

PAGE

[illegible]

[illegible][illegible][illegible]

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Page 1 of ✓

Date: _____

Hole Number: FAGA031

Reference Fabric Orientation Diagram:

Project: GRUMLocation: GRUMClaim: GRUM #3Terr. Plane
Co-ords.: 6904617.2 N592533.0 EGrid
Co-ords: 60 W /Elevation: 1267.6m

All symmetry determinations looking

Total Depth: 217.6m (714 ft)NW with 52 dippingInclination: -90°SW with dip azimuth 230.

Purpose: _____

Reason hole
Terminated: _____Logged by: LCP / GAIDate(s) Logged: July 21 / 84Drilling
Contractor: _____

Size	CORE From	To	Collar Cased and Capped: _____
<u>BW</u>	<u>0'</u>	<u>181'</u>	
<u>BQ</u>	<u>181'</u>	<u>714'</u>	
_____	_____	_____	

Hole
Cemented: _____Steel down
hole: _____Started: Aug 19/74 Completed: Aug 28/74

DDH FAGAD 3.1
2 FEET 8Cyprus Anvil Mining Corp.
Lithologic Log

Page 3 of

Date: July 21st 84
Logged By: LCP/GAJ

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	100	1130			1	#					
L	1130	1183			2	#					
L	1183	1216			3	SB80					
						(SB0) (SD0) 90:07:03					
						dominantly moderately hard calcareous greyish green					
						well lithified chloritic phyllite - abundant granular					
						gtz calc bands/lithous local blue grey onbl bands/lithous.					
						SD0 mainly near FOI as small homogeneous					
						interbands.					
						SD0 small grey, interbands near center of					
						unit - fairly sharp contacts but reev problems make them unclear					
						183-207 = core intact					
						207-209 = 1' of potter chippy core & rubble rec'd					
						209-213 = med broken local rubble, reev ok					
						213-215 = rubble, reev ok					
						215-FOI = potterchippy - broken, reev ok					
L	2160	3455			4	SB6					
						± 2 minor					
						med soft to med hard, in grey to m. dk grey to very locally					
						dark grey, non calc phyllite - Moderate lithom development					
						with bands/lithous of m grey finely granular gtz (with					
						no calcite, nodules (weather white) and no calc sil - do see					
						minor spots of orange weather ant locally, local black chert nodules					
						but rare, lower most 12' is softer and psz foliated without					
						gtzase lithous. Indistinct banding in grey to lt grey					
						reflects both original comp banding and D ₂ solution					

Lithologic Log

Date: Logged By:

Code	From			To			Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28	30	34	35	
												at 333 is a 1' interval of SD4 minor
												Lower contact rubble.
												To I - 226 = v. broken to rubble, 2' core rec'd - ^{doesn't} look like
												226 - 249 = intact - recvy OK
												249 - 251 = (check to see if split) looks rubble now
												251 - 255 = intact with minor rubble
												255 - 283 = intact
												283 - 293 = rubble gouge poker chippy, ND gouge mainly in last foot
												overall ~ 50% recvy
												293 - 327 = mod broken local rubble - recvy OK - no gouge
												327 - 341 = v. broken - local rubble recvy OK
												341 - 344 = rubble & gouge gouge mainly last 1.5' ± (ND)
												75-80% recvy
												344 - EO I = v. broken
												All gouges in this unit probably just minor structures.
L	34.55			37.61							S	5A16A
												mod hard to hard dk grey to black non calc phyllite with abundant
												qtzose lithons & bands - lithons contain orangey tan weather
												white fresh (fizzes weakly when powdered in 20% HCl) calcite?
												(not dolomite reaction but dolomite appearance) minor fg py ± spher
												locally in thin stringers along s_2 & x cutting structures -
												also minor py dissemin in qtzose lithons
												360-362 = 6" qtz vein + Sd4 fchite & 1' SD4 with qtz
												spher veining
												unit is very broken to poker chippy - no major gouge
												~ 90% recvy

NO. 55
major
fault.

Code	From	To	Recov.	No.	Unit	Description
1	10	14	16	20	22	24
26	28	30	34	35		
L	37.6	38.05		6	HG4	→ 4E4 ± 6 (SC4 fuch.) 90:10 upper contact drilled away finely banded baritic pyritic massive sulph - honey colored sphul. xcut by gte ank small crackle bra veins - SC = 6" band in top foot split originally intact
L	38.05	38.70		7	4L6	weak. soft to very soft, pale grey to greenish cream, non calc, phyllite - S ₂ folia are pale greenish cream, musc > chl Xcut by small dolo filled tension gashes - upper contact broken lower gradational original rock probably a phyllite with gteose lithome/bands not SD near top, rock weath brown locally and appears to have dissem ank (freezes slowly in 20% when powdered) ⇒ carbonation along with alter? mod broken to incipient gorge. - rock control gorge not fault!
L	38.70	39.10		8	4L6	weak → (SB64) as above but short 6"-1' intervals retain in - dk grey phyllite coloring - more altered portion is rusty brown weath along S ₂ folia / fractures mod broken to incip gorge as above
L	39.1	39.2		9	4A10	[SA19] finely laminated with gte-S ⁺ bands, pyrite only 5% tot py upper contact is gte vein lower 2" bleaching zone + x in a next unit intact

Lithologic Log

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description
I	10 14 16 20 22 24 26 28 30 34 35					
L	3920	4010		110	4L6	weak 2 minor mod soft locally hard, pale greenish cream, mottled calc phyllite, weather to a deep rust brown on cut surface. Preserves lith texture. S ₂ folia are cream to pale grey with slight greenish tint. Unit contains Qtz veins along S ₂ with a network of pyrite in them. Upper contact is sharp as is lower may be alteration of bounding units intact to incip gorge - no faults
L	4010	4042		111	SA19	[4A0] → (4L6 weak 2 minor) 60:40 rx as above 2 units but interbanded on 6"-1' scale mod broken.
L	4042	4082		112	4H10.8 ±\$	(4L6 weak) (4H\$) 90:10:minor upper 8" is 4H with floating flesh colored dolomite shaped clasts minor cpy in fractures in dol. 4H is finely banded with streaky int - dol dissemin in matrix rather than as clasts. Thin 5" to 1" bands (1/5 S ₂) of 4L lower contact is sharp with interbanding of SA over a few inches split originally intact
L	4082	4385		113	SA11\$	minor 9 minor py dk grey to black mod hard to hard lithomel carbonaceous phyllite lithous dominantly Qtz with minor dissemin dolomite and locally dissemin py - minor bands up to 3" thick 1.5 Fgr pyrite with quartz augen. - doesn't have good Qtz/S = banding of 4A and is abnormally phyllitic mod broken to locally very broken & bubbly, recvy OK, no likely faults

Lithologic Log

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
L	4385	4461		114	4E108	→ (4G48) (4L6 weak) (SA19 minor) 70% massive s ⁺ interleaved sequence of above? or - 4L as creamy micaceous bands < 1" thick, locally so close that you get 4L24 or 4D sericitic for short stretches. split s = intact now rest now rubble.					
L	4461	4520		115	SA19	minor (SD4\$) 80:20 SD is 2 highly foliated bands 6" x 2" thick - SA similar to unit # 1114 thin gtaose laminae separated by carb. folia. not split, strongly broken rubble reevy OK - lower contact rubble.					
L	4520	4640		116	4L1\$	6 weak (→ SA19 minor) 80:20 pale greenish cream musc > chl with abundant gtaose bands - 18. micaceous folia separating gtaose bands/lithons. good chert lithon text. dolo both as augen and dissem in gtaose bands. Tx into SA19 minor upon which it appears to be overprinted ^{possibly} along with some lighter SB6\$ type protolith as below mod broken - local rubble reevy OK					
L	4640	4878		117	SB62\$	→ (SB624\$) 80:20 mod hard to hard dk grey to med grey, ^{non calc} dolomitic, lithom phyllite. well developed gtaose lithons with dissem orange weath dolo & minor pyrite - locally transitional to weakly altered lighter colored version of same 464-473 = mod broken - reevy OK 473-478 = dillers note sand 1' reevy of rubble. not necessarily fault. 478-487 = mod broken with local med grey reevy OK					

C.A.M.C. 1981-E-3A

DDH FAG A03.1
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Cyprus Anvil Mining Corp.

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Lithologic Log

Date: Logged By:

Code	From			To			Recov.	No.			Unit	Description
	10	14	16	20	22	24		26	28	30		
L	487	0		488	2			118			4C3	→ 4E1
												magnetic but can't see po or int! more S ² at top
												S ² poorly define lithon text along with micaceous folia
												may not be stratiform - tr. cpy - split intact originally
L	488	5		499	0			119			SB6	\$1
												mgny mod hard to hard non calc well lithomd phyllite-
												lic for abundant grease lithon bands which contain
												~50% dolo (weath tan-orange) - unit mod broken to intact
												Transitional lower contact w/rt carbonate type and
												carbon content.
L	499	0		521	0			120			SB2	\$0
												as above but darker folia plus both calcite and dolo
												in lithons
												499-502 = intact
												502-508 = gneiss + rubble, sand mtd at 508, 1.5' recvd.
												508-514 = rubble to strongly broken 2' recvd.
												514-521 = v. broken to rubble 90% recvy.
												most likely fault at 508 probably subsidiary to underlying
												fault.
L	521	0		538	5			121			SB6	± \$ ± 4
												mod soft medgy non calc phyllite locally developed grease
												deformitic bands, ± 4 refers to 6"-1' long intervals
												bleached to pale grey making up ~10% of unit.
												strongly broken & rubble recvy ~80% except for 530-533=1' recd.
L	538	5		553	0			122			SB6	(426) gneiss
												to 534' is SB2 gneiss 544-549 = 4L6 weak gneiss. [504??]
												545-552 SB6 gneiss to inc. gneiss. 552-553 = fragments
												of 5A19 v. minor - all gneiss IND, good recvy!

Lithologic Log

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	5530	5670		23	4E48 ±# → (4G48) ±BXA 50:20	
						Upper contact sharp looks tectonic not 115 but ductile
						slow bxa contact. S ² in S ² bxa through unit.
						finely laminated pyritic sulphide with baritic sections
						and with minor local calcite dissem through unit
						and in fractures, locally very calcitic - streaky
						and dissem mt.
						Split, originally was intact
L	5670	5680		24	5B62	
						dk grey rubble. - trashed by splitting?
L	5680	5710		25	4E0 ±# ±6 BXA	
						increasingly broken downward, split, rubble at FOI
L	5710	5790		26	5B6 ±0 GOUGE	
						dark grey locally foaming gouge, totally IND,
						lower contact gouge/rubble contact
L	5790	6545		27	5A19	minor (5D4f) trace.
						mod hard to hard PS. Striped non calcareous siliceous phyllite.
						has the distinctive lt grey/dk grey color striping of
						this unit 11 to S ₂ . Minor po assoc with gneiss
						bands (also some py near top) ± in fracs.
						SD bands $\frac{1}{2}$ - 1" thick & above 5921
						fine dk grey ^{off} subhedral mottling on ~5mm scale
						that may be due to porphs - and/or?? tends to be
						in darker grey more homogeneous softer lavals. -
						unit shows strong "chale flash" but doesn't seem to
						be dolomitic

Lithologic Log

Date: Logged By:

Code	From				To				Recov.	No.				Unit	Description
1	10	14	16	20	22	24	26	28	30	34	35				
L	6545		6750				28		1C			±4	[1C0]		homogenously finely laminated mud herd, bio, musc, andulstarr schist - uppermost 5' looks altered as seen at Faro chl musc matrix with chl clots & fresh irregular bio andul clots.
															upper contact is sharp and both units appear to have polished ^{siliceous} surfaces - uppermost schist has a scaly foliation similar to a fish scale serp texture Lower contact sharp with a very siliceous fine grained banding and development of calc silicates in last 3" - contact is tectonic & related to flow & boudinage in underlying unit - intact - perfect coring
L	6750		6875				29		3F0						boudinaged silicate bands dominantly bio brown & only locally calc sil green. - in upper portion 50% is silicate layers - in last 3' only 20% intact - perfect coring
L	6875		6944				30		3D						hard, alternating brown bio rich schist and bluish green to pale green calc sil bands. Banding on cm to 1' scale, 40% bio bands calc sil = pale creamy green ± calcite surrounded by bluegreen amph epi banding - calc sil development dominantly controlled by original compositional banding but there is lesser fracture controlled development - only slightly calcareous overall intact - perfect coring

C.A.M.C. 1981 - E-3A

Lithologic Log

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description					
I	10	14	16	20	22	24	26	28	30	34	35
L	694	695		31	3FP						
						normal					
						70% mbl					
						- both bio & calc sil as thin interbands					
						intact					
L	695	704		32	1CD ± 4(3D						
						70:30					
						top 1' & bottom 1' are green calc sil as #30, center					
						is biotite schist with chloritic clots and fresh					
						quartz-bio clots to 1x3cm (larger than up hole)					
						Set in tan muscovite rich ^{altered} matrix					
						intact - perfect coring					
	704	706		33	4LP	mylonite?					
						strongly, finely					
						pale cream, ^{ps} foliated, hard calcareous and dolomitic					
						phyllite with well developed gtz bands & discontinuous					
						lenses of S ₂ - looks like could be SD4## or					
						could it be mylonitic					
						(→ flat augen → flaser fabric?)					
						minor rubble at TOI otherwise intact					
	706	714		34	3D	(1CD)(3FO)					
						heterogeneous mixture of 3F 3D & 1CD on a scale					
						of inches to feet. 50% calc sil 50% schist minor					
						mbl.					

EOH11

FOH

DDH FAGA03.1

Cyprus Anvil Mining Corp.

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Structural Log

Date: Logged By: LCP

Code	From	To	Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
	10	14 16 20 22 24 26 28 32 34 38 40 44					
S		118.7	CS2 D			82 230	
S		119.7	CS2 D			77	
S		120.9	PS2			75	
S		122.1	CS2 D			70	
S		124.5	CS2 Z			28	poor symmetry
S		124.0	PS2			87	
S		125.5	CS2 S			80	
S		126.5	CS2 Z			72	
S		128.5	CS2 S			69	
S		129.4	PS2			90	
S		130.3	PS2 Z			75	→ CS ₂
S		132.0	PS2			82	
S		133.0	PS2			76	→ CS ₂
S		134.4	CS2			77	
S		135.5	CS2			70	
S		136.7	CS2 S			63	
S		137.5	CS2			85	
S		138.5	PS2			55	
S		139.4	CS2 S			83	
S		140.6	PS2?			66	? PS1? S=banding
S		142.2	PS2			66	
S		143.0	PS2			78	→ CS ₂
S		144.0	PS2?			72	? PS1? S=banding
S		145.0	CS2 S			78	
S		146.0	PS2			80	
S		148.4	CS2 S			70	
S		149.9	CS2 M			75	
S		152.3	PS2			81	
S		155.0	PS2			84	
S		156.0	PS2?			46	PS1? S=banding
S		158.7	PS2			60	
S		159.1	CS2 S			66	
S		160.6	PS2			79	
S		161.6	PS2			82	
S		162.9	PS2			85	
S		164.4	PS2			78	CSN 43/000

S 650 PS2 74
 S 654 PS2 69
 S 664 PS2 86
 S 683 PS2 79
 S 698 PS2 80
 S 713 PS2 80

FEET

FAULT

DDH AA3.1
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Cyprus Anvil Mining Corp.

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REC Structural Log

Date: Aug 8/84 Logged By: LUP

UPPER INT LOWER

Code	From	To	Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	S ₃ Dip Direct.	Description
F	121070	121090	TR	5			1' poker chippy & rubble
F	121090	121130	2BR				mod brkn, local rubble
F	121130	121150	R				rubble, recov. OK
F	121150	121160	BT				poker chippy & brkn, recov OK
F	121160	121260	3BR				v. brkn to rubbly
F	121490	121510	R				rubbly
F	121830	121930	TRG	5			rubble, gauge, poker chippy
							IND gauge 30% recov
F	129130	131270	2B				mod brkn w/ local rubble
F	131270	131410	3B				v. brkn w/ local rubble
F	131410	131440	RIG	7			rubble & gauge IND
							gauge mainly lost 1.5'
							75-80% recov
F	131440	131455	3B				v. brkn
F	131455	131761	3BIT	9			v. brkn to poker chippy
							90% recov
F	131805	131910	2B				mod brkn to incip gauge
							lithology related
F	141010	141042	2B				mod brkn
F	141082	141385	2BR				mod brkn to locally v. brkn
							& rubbly
F	141461	141520	3BR				strongly brkn, rubbly
F	141520	141730	2B				mod brkn, local rubble,
							recov. OK
F	141730	141780	PR	2			1' recovered / drillers note
							SAND rubble
F	141780	141868	2B				mod brkn w/ local incip
							gauge - recov OK
F	141882	141990	1B				mod. brkn to intact
F	15020	15080	GRP	2			1.5' recov. gauge & rubble
							SAND noted at 508'
F	15080	151140	R3B	2			2' recov. rubbly to
							strongly brkn
F	151140	15210	3BR	9			v. brkn to rubbly
							90% recov.
F	15210	15385	3BR	8			v. brkn to rubbly

C.A.M.C. 1981 - E - 4
overall 80% recov.

FEET

FAULT

DDH A.O.3.1
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Cyprus Anvil Mining Corp.

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Structural Log

Date: Aug 8/84 Logged By: LCP

REC UPPER INT LOWER

Code	From	To	Feature	S Dip Direct.	S Dip Direct.	S Dip Direct.	Description
I	10	14 16	20 22 24 26 28	32 34	38 40	44	
F	1513100	1513130	P1	3			1' recovery
F	1513185	1513130	31G				all INO gauge
F	1513130	1516170	DX1				upper contact ductile flow bxa. sulph in S= bxa.
F	1516170	1516180	R				rubble
F	1516180	1517110	X1R				bxa, rubble
F	1517110	1517190	31G				INO framing gauge
F		161545	31F				upper contact sharp - galized & slicked 52 surfaces Make Believe Fault re DORN LAKE Fault
F		161750	D1				ductile flow bxa between schist & underlying marble
F		170140	11R				minor rubble
							EOH

Cyprus Anvil Mining Corp

ogged by LCP

Logged by LCP

Sampled by Kerr-Addison

ASSAY LOG (SAMPLER'S COPY)

Date _____

CODE	FROM				TO				SAMPLE				INTR.				REC (m)				UNIT				DESCRIPTION
	1	10	14	16	20	22	26	28	30	32	34	36	40	42											
P	137	61	318	05					44	44	44	44													
P	140	42	140	82					40	37	41	08													
P	143	85	144	10					25	10	41	08													
P	144	10	144	61					51	41	41	08													
P	148	68	148	02					14	14	41	31													
P	155	30	155	90					60	58	41	EG													
	155	90	156	40					50	49	41	EG													
	156	40	156	70					30	30	41	EG													
	156	70	157	10					40	37	41	EO													

CYPRUS ANVIL MINING CORPORATION

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DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGA108

Reference Fabric Orientation Diagram:

Project: VINGORDA PLATEAU REMAPLocation: GRUM - CHAMP ZONE

Claim: _____

Terr. Plane
Co-ords.: 6904484.3 N592494.5 EGrid
Co-ords: 58W / 4+005Elevation: 1259.4 m

All symmetry determinations looking

Total Depth: 189.6m (622 ft)NW with 52 dippingInclination: -90°SW with dip azimuth 230.

Purpose: _____

Reason hole
Terminated: _____

Logged by: _____

Date(s) Logged: _____

Drilling
Contractor: _____

Size	CORE From	To	Collar Cased and Capped: _____
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	

Hole
Cemented: _____Steel down
hole: _____Started: AUG 17/75 Completed: AUG 23/75

Date: _____ Logged By: _____

2 8

[illegible]

C.A.M.C. 1981-E-2

Metres

DDH FAG-A1.0.8
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: July 20/84 Logged By: GAJ/LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 36					
L	10 0	12 4 8		11	#	Overburden - Triconed / no core
L	12 4 8	13 0 0		12	15181210	→ (5B2\$) E.O.I. Mod. soft to med. hard, dk grey to dk med-grey, calcareous, well-lithified phyllite Dk S2 foliae separating lithons - granular ss-gt bands lost 1/2 m. of unit has dolomite. Core abominable - very broken, piker chippy, rubble. recov 80%
L	13 0 0	13 1 3		13	151C1\$	Foliated "leopard Rock" Typical anastomosing chloritic foliated metabasite. Carbonate dolomite. lost 0.3m is SD margin. Mod to very broken. Recov ≈ 80%
L	13 1 3	13 3 4		14	15181216 \$	Dk grey, noncalcareous, PS2 foliated phyllite w/ sparse gt-dolomite lithons Abundant 10A\$ S2 foliaform veins. Mod to v. broken / recov OK IND gauge at EOI
L	13 3 4	13 6 4		15	101A\$	± 9 ± # minor 9 is for 90 0.4m in centre of unit core v. broken to rubble / 2m. recovered (2/3) Twd gauge throughout as small lumps. Interleaved is dk grey to black scaly 5B26\$ phyllite
L	13 6 4	4 1 9		16	15181216	± \$ minor Dk grey, noncalc., PS2 foliated, med. soft phyllite. Minor lithons of granular gt-dolomite (weathers tan/white fresh). Very broken IND gauge at TOI, EOI, COI. Recov. 80% Possible fault through this Unit

Lithologic Log

Date: July 20/84 Logged By: GAS/CCP

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
L	1411	1415			17	151C141						(5B62) 50:50 Highly & irregularly foliated, carbonated metabasite w/ minor fuchsite. Interbedded was 0.4m. basalt w/ dk grey, noncalcareous phyllite w/ sparse bands Rubble w/ short broken core & IND gauge zones. Could indicate fault or top of hole problems. Recov. 80%
L	1415	1510			18	151B162						\$ Med grey to dk med grey, PS2 foliated, phyllite w/ qtz-dolomite lithons separated by darker soft ss filia. V. broken, rubble & gauge. Gauge esp. last 0.3m. IND Rec. 65%
L	1510	1515			19	151A16						→ (5B26\$) Dk grey to black, noncalcareous, med hard to soft phyllite w/ local granular qtz-dolomite lithons. V. broken to rubble w/ much IND gauge. Rec. 80% Interval 33-55.7m is all very broken w/ many gauge sections Could be a fault zone which can not be pinned down to a smaller range. Not solid gauge - short intervals IND gauge separated by rubble. Locally ss steeper than normal - local fault bxa
L	1515	1611			110	151B161						(5D\$) TRACE Med. soft, PS2 foliated, noncalc, med grey to dk med grey phyllite w/ light greenish grey, granular, fine-grained qtzose siltstone (?) bands forming lithons Py porphs - some mixed ppy porphs. Intact

Lithologic Log

Date: July 20/84 Logged By: GAS/LCP

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	1611	2	1619	6						111	1518161	$\pm \phi \pm 2$ minor $\pm D.v.$ minor ± 4 Same rock as above Unit # 10 w/ better lithons - more abundant, coarser, whiter $\phi \pm$ minor dolomite $\pm v.$ minor calcite Py > po porphs TOI - 69 intact / 69-EOI poker chippy, incip gangue & rubble Recov. OK Strongly banded in shades of white & med dk grey - combined orig banding & S2 striping. ± 4 0.25m zone of bleaching & sulphide-qtz veining (?) py-po-sphal at 66.8m. Darkens downward towards sulphides
L	1619	6	1740							112	141E18	$\pm 4 \pm 1 \pm 6$ [4K $\phi 8 \pm 6$] (5D4*) BXA Very heterogeneous section Basic sulphide rock type is finely banded dolomite & magnetite bearing, nearly massive pyritic sulphides Contains minor thin bands of qtz & short intervals containing basite Characterized by presence of clasts/lagen of flesh-dolomite floating in sulphide matrix. Locally clasts derived from ductile banded carbonate-qtz veins (?) Also has fine-grained dolomite in matrix. 0.4m interband of 5D4* at 70.3-70.7m Total sulphides about 50% / interval has 25% qtz + dol. clasts/lucins Overall affinities to 4K & 4G (and to next unit in particular) Split - orig intact Ductile flow bxa
L	1740		1764							113	141E1418	$\pm \phi \pm$ porous Fine-grained finely banded massive pyritic sulphides. Banding due to streaky magnetite locally forming D2 folds Total sulphides high. Contains less fine-grained dolomite Several % magnetite as streaks No dol clasts. Resembles some sections of sulphide matrix in last Unit May be locally basitic. Intact although split

DDH EAGAL08
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 6 of Date: July 20/84 Logged By: GAS/LCP

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28 30	34 35	
L	1716	1716.9		114	15D14*	(4E4) minor Split / trashing
L	1716.9	1719.9		115	14E14B	± porous → (4G48 ± #) 80:20 4G at end of interval. No substantial carbonate clast. Very similar to Unit #13 only this has readily visible barite. Split-intact
L	1719.9	1810.6		116	14K1*	Orange-weathering, off-white, flesh dolomite clasts/lamellar bodies in fine-grained, homogeneous, weakly foliated, barren, pyritic matrix. No magnetite. Split-intact. V. minor spy noted in fractures in dolomite
L	1810.6	1816.1		117	14A101	→ (4C0) 65:35 Hard to v. hard, pyritic folites. 2/3 have dk grey to black carbonaceous folia. Grades into & out of non-carb. weakly banded, folites. Total sulphides 15-20% mainly py of only minor spy. Well developed S2 lithons. S2 from folia from v. light grey to black. Swigget of 5D4* near EOE. Split-intact. Local zones of cracks bra-nuggy - no carbonate noted
L	1816.1	1818.6		118	14E14*	± porous 8 minor (4G4*) (4K\$9)(5D4*) 60: 05:15:20 largely massive sulphide zone w/ 5D4 interlayered w/ above massive sulphides. Split-intact
L	1818.6	1924		119	14D13*	±4 (4C3)(4A4)(5D4*) 40:20:20:20 Split-mig intact 5D4 as 0.2m of shales interbeds near centre.

DDH F.A.G.A.I.O.B.
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Cyprus Anvil Mining Corp.

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Lithologic Log

Date: July 20/84 Logged By: GAS/LCP

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	1912	4	1913	6			1210	4E4	\$	± 6 ± porous (5D4*)	75:25
											Split - orig intact
L	1913	6	1916	6			1211	4D10		± 3 ± \$ ± 4 → (4A4) (5D4*)	60:10:30
											Entire unit crackle bristled & rubble - accentuated by splitting
											Grades in & out of 4A w/ only short carbonaceous intervals
											SD4 as several intervals less than 0.3m. Total sulphides 25% py > sphal
											except for short sphal-rich intervals.
L	1916	6	1919	7			1212	15C4	*	(5D4*)(4E\$)	50:45:05
											Highly altered, carbonated metabasite w/ relict green preserved locally.
											Minor "fuchsite" small lagonad rock texture Split - recov OK
L	1919	7	11014	8			1213	4D1	\$	→ (4C0) down hole	
											Transition from 4D to 4C is about 102.2 Split but intact
											Total sulphides 25% (TOE) → 10% (EOE) 2py = 1 sphal (TOT)
											& totally py at EOE. Not well banded - texture more network of
											sulphides in qtz forming diffuse banding Doesn't really look 4A derived -
											not micaceous - not banded - no 4A relicts.
L	11014	8	11017	1			1214	4G4		± \$ minor ± 8 ± porous	
											porous where carbonate-bearing 30% barite Honey coloured sphal banding
											excellent Magnetite as fine disseminations in bands Overall a light to
											med yellowish brown Split / intact / recovery OK

Date: July 20/84 Logged By: GAS/LCP

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	11017	1	11210	4			1215			151820	(500)	80:20
												Mod. soft, med. grey-green w/ slight blue-green cast on cut surface. Well
												developed cc-grt white lithons/microlithons/bands. Dominant rock type
												interlayered w/ lesser yellowish green chloritic phyllite w/ locally some lithons (50)
												0.1m. marble band at 116.8m. Mod. broken w/ local rubble & inc. gauge
												TOI-109.2 / 109.2-EOT intact.
L	11210	4	11214	0			1216			151810	(580)	90:10
												Mod. soft, med. olive/yellowish green, calcareous chloritic phyllite w/ SZ foliation
												cc-grt veins. w/ 10% greyish green 580 - no good lithons, just
												grey color. Intact / recov. OK
L	11214	0	11216	5			1217			151800	(500)	70:30
												Rocks as above. Poorly developed lithons. Intact
L	11216	5	11311	1			1218			151810	± & minor	
												8 in this unit weakening. Good lithons. Calc-silicate in light granular
												bands which weather tan. TOI-129.8 intact / 129.8-EOT very broken
												& rubble, recov. OK
L	11311	1	11312	0			1219			151812	\$	
												Dk grey, noncalc, med. soft phyllite w/ granular grt - minor dol lithons
												Rubble / recov. OK

DDH FAGA108
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 9 of Date: July 20/84 Logged By: GAS/LCP

Code	From				To	Recov.	No.	Unit	Description
	10	14	16	20					
L	11312	0	11312	0			1310	15D151	± 0 Mod. to dk green chloritic phyllite w/ rusty weathering dolomite-calcite bands Mod. broken / res. OK
L	11312	8	11316	2			1311	14D01	± 3 (4E18)(5D5) 05:05:10 Hard, well banded, pyritic gneiss w/ light grey to cream to white SZ foliation. Overall cream to light grey. White-muscovite-phyllite interbanded w/ coarse-grained py-sulphide bands 11 SZ(?) 20% total sulphides Py >>> sphal Overall grade $\approx 5\%$ Unsplit / intact 10% 5D9 as 1 large & several thin bands ± 3 applies to 5% of core
L	11316	2	11316	5			1312	14E141	porous Split / rubble
L	11316	5	11318	4			1313	14A131	$\rightarrow$ (4A0) down Split TOE-132.8 intact / 132.8-138.4 rubble Top 0.5m crackle bxa. Avg sulphides 25% (TOT 30% $\rightarrow$ 5% EOE) py dominant
L	11318	4	11319	3			1314	14E141	# 8 6 (4E10) 80:20 Split / intact Note 4E10 at top of interval
L	11319	3	11410	3			1315	14E110	Hard, barren, fine-grained py w/ anhedral ph blebs up to 5mm across Minor ankerite. 4K texture in miniature w/ ph

Lithologic Log

Date: July 20/84 Logged By: GAI/KCP

Code	From				To				Recov.	No.				Unit	Description
1	10	14	16	20	22	24	26	28	30	34	35				
L	11410	3	11410	8			1316	41E1416							Split / intact
L	11410	8	11411	8			1317	41E114	\$	→ (42146) → (42624) ??					Appears to be nearly massive pyritic sulphides w/ qtz & dolomite clasts grading through pyritic gte w/ green ss folia to greenish coarse, mod hard - mod soft, musc > chlorite phyllite phyllite w/ qtz-py-sphal bands After SD? Split / intact
L	11411	8	11416	1			1318	41D318	\$						Finely laminated & foliated, very hard, very sulphide rich, borderline pyritic qtzite w/ abundant qtz bands & lesser carbonate bands & clasts. Strong black magnetite folia. Total sulphides 60-70%. Thin chlorite-musc folia resembling 426 of last unit. GAI reminded of carbonate & magnetite bearing green sulphide gte seen in Upper Horizon in 1982 Split / intact
L	11416	1	11416	5			1319	51A11							Dk grey to black, siliceous, noncalcareous, non-sulphidic carbonaceous phyllite. Split / trashy
L	11416	5	11417	3			1410	41D1318	\$	→ (4E1±4)					Minor chloritic folia. Similar to Unit #38 (borderline to 4E1) Transitional down hole to 4E1 ±4 w/ banding of 4D & qtz-dol vein material.

borderline
4E1/4D3

Lithologic Log

Date: July 20/84 Logged By: GAI/LCP

Code	From	To	Recov.	No.	Unit	Description					
I	10	14	16	20	22	24	26	28	30	34	35
L	11473	11480			141	14A0	→ SA19				
							Hard, black gte/siliceous phyllite w/ poorly developed gte sulphide banding				
							2 1/2% total sulphides py = sphal Borderline - close to SA Split/cubby/rec. OK				
L	11480	11515			142	14D3B	\$ Minor ± # minor → (4E0 ± 4) (4A0)(SA1)(SD4) Minor				
							65: 15: 15: 05				
							Interleaving on scale 0.14-0.2 m. Dominant lithology 4D borderline 4E				
							Homo-micaceous folia Similar to Unit # 38 Split/intact SD4				
							as several thin SD foliaform bands. Total sulphides 60% - increasing				
							amt floating embedded gte & dolomite clasts				
L	11515	11576			143	14D01	± \$ ± 9 minor ± 3 ± 8 minor				
							Homogeneous to weakly banded sulphidic gte. 25% sulphides py >>> sphal				
							banding diffuse parallel folia / good development of sulphide network between				
							sulphidic bands \$ \$ 8 mainly near top of unit SD folia slightly				
							greenish grey. Cpy minor in xcutting fractures. Split/intact				
L	11576	11650			144	14A01	± 3 minor ± 9 minor ± 7 minor				
							Fracture bound po assoc w/ cpy Several thin SD ± 4 fuchsite				
							interbands 11 folia last 1m. potter chippy & increasingly poorly developed				
							sulphide gte-banding & grades into SA19 minor Similar to Unit # 39				
							Few thin interbands 4E1 - 5cm thick. Total sulphides 20%				
							Py dominant / minor sphal / 5% po Split/intact				

541.5
ft

DDH EAGA10.8
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Cyprus Anvil Mining Corp.

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Lithologic Log

Date: July 20/84 Logged By: GAS/CCP

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	11650	11662								415	41K@	(4038# → 4E1) 50:50 Hard, fizzes slowly in 20%, flesh coloured, tan-weathering, fine-grained massive pyritic matrix 4K at top / 403 at bottom Contact between sulphides & host rock sharp / series of S2 foliiform sulphide bands / outermost band is Pb
L	11662	11700								416	15B1612	\$ v. minor Mod. hard, dk grey, noncalc., PS2 foliated phyllite w/ thin SD bands parallel fltn Mod. broken w/ rubble EOT.
L	11700	11753								417	15A11	Dk grey to black, hard, siliceous phyllite w/ minor qtz-dolomite bands Noncalcareous, "Dolomite flash" Crackle vein w/ qtz-dol-cc. Thin SD bands parallel PS2 PS2 foliated. \$ very minor TOI - 175.5 rubble / 175.5-177.5 intact / 177.5-EOT rubble, med to very broken EOT is rubble. Foilage blocks bad. Recov OK
L	11753	11872								418	15B1612	\$ v. minor Mod. hard, dk med grey, noncalcareous, med plane phyllite Microclitane - small lithons of qtz-ankerite. Largely PS2 foliated. Weathers w/ brick to orange-red S2 foliiform surfaces & fractures Darkens at upper & lower margins. Mod. broken to intact TOI - 183 / 183-EOT med to strongly broken w/ rubble zones. rec OK
L	11872	11911									15A11	Dk grey to black, PS2 foliated, siliceous phyllite Hard Strong "Dolomite flash" qtz-dol-cc crackle bxa Noncalcareous Mod. broken to intact

EOT

DDH EAGAL08

Cyprus Anvil Mining Corp.

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Structural Log

Date: JulyLogged By: GAS/LCP

Code	From	To	Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	Description							
1	10	14	16	20	22	24	26	28	32	34	38	40	44	
S				13102	PS12							610		
S				13117	CS12							617		
S				1396	PS12							510		
S				1473	CS12							91		
S				1507	CS12							80		
S				1532	CS12							73		
S				1590	PS12							72		→ CS2
S	IT			1631	CS12	2			810	11810		75		→ PS2
S				1677	PS12							810		
S				1748	CS12							810		
S				1783	PS12							518		sulph. banding
S				1814	PS12							615		S2?
S				1840	PS12							615		? 11 CS2 nearby
S				1915	CS12							810		
S				1938	PS12							75		7
S				1985	PS12							75		
S				110150	PS12							610		pass PS1
S				11110	CS12							85		
S				111150	CS12							810		→ PS2
S				111197	PS12							812		→ CS2
S				11256	PS12							812		→ CS2
S				11293	CS12							810		
S				11314	PS12							712		? possibly PS1
S				11390	PS12							610		PS1?
S				11412	PS12							716		PS1?
S				11497	PS12							810		PS1?
S				11515	PS12							810		PS1?
S				11519	PS12							810		PS1?
S				11612	CS12							716		
S				11670	PS12							80		
S				11715	PS12							60		
S				11716	CS12							82		
S				11815	PS12							615		
S				11816	PS12							815		
S				118164	CS12				410	21710				past D2 even
S				11905	PS12							515		→ CS2

Metres

Fault

DDH A.108

Cyprus Anvil Mining Corp.

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REC Structural Log

Date: Aug 9/84 Logged By: LCP

Code	From	To	Feature	UPPER			INT			LOWER			Description	
				S ₁ Dip Direct.	S ₂ Dip Direct.	S ₃ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	S ₃ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	S ₃ Dip Direct.		
I	10	14	16	20	22	24	26	28	32	34	38	40	44	
F	1248	1310	31BT8											v. brkn, potens chippy, rubbly — recov 80%
F	1310	1313	21B18											mod. to v. brkn — recov 80%
F	1313	1334	21B1											mod. to v. brkn — recov OK
F	1334	1364	Q1RG6											qtz vein, v. brkn to rubbly, IND gauge thrust as small lumps 2/3 recovery
F	1364	4119	GG31BB											IND gauge, v. brkn recov 80% Possible fault
F	4119	451	R1BG8											rubble w/ short brkn. core & gauge zones IND gauge 80% recov.
F	451	1510	9R131B6											rubble, v. brkn, gauge, gauge IND, recov 65%
F	1510	1517	31BG8											v. brkn to rubbly w/ much IND gauge 80% rec.
F	1334	1517	F1?											fault zone — cannot be pinned to shorter interval
F	1690	1696	T11G											potens chippy, incip gauge & rubble — recov OK
F	1696	1740	D											ductile flow bxa — 4E
F	1810	1861	11X1G											local crackle bxa zones
F	1936	1966	R1X1G											crackle bxtated & rubbly
F	11071	11092	21BR											mod. brkn w/ local rubble & incip gauge
F	11298	11311	131BR											v. brkn & rubble recov OK
F	11311	11320	R											rubble — recov OK
F	11320	11328	21B											mod. brkn — recov OK
F	11362	11365	R											rubbly
F	11378	11384	R1X1G											rubble, top 0.5 m crackle bxa
F	11465	11473	D											ductile flow bxa

Fruct

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Date: _____ Logged By: _____

EOA

Metres

DDH FAGA 108 Cyprus Anvil Mining CorpPage 16 of Logged by
Sampled by Kerr Addison

ASSAY LOG (SAMPLER'S COPY)

Date Sampled by Kerr Addison

CODE	FROM			TO		SAMPLE			INTR.		REC (m)		UNIT		DESCRIPTION	
I	10	14	16	20	22	26	28	30	32	34	36	40	42			
P	16192		1707	91685			11	11	11	4E	18					
P	17107		1740			6	33	33	33	4E	184					
P	1740		1753			7	113	113	113	4E	48					
P	1753		1768			8	115	115	115	4E	48					
P	1768		1783			9	115	115								
P	1783		1799		90		116	116								
P	1799		1808		1		109	109								
P	1808		1829		2		121	121								
P	1829		1844		3		115	115								
P	1844		1859		4		115	115								
P	1859		1875		5		116	116								
P	1875		1890		6		115	115								
P	1890		1923		7		133	133								
P	1923		1930		8		107	107								
P	1930		1957		9		121	120								
P	1957		1966	91700			115	115								
P	1966		1997		1		131	131								
P	1997		11019		12		122	122								
P	11019		11048		3		129	129								
P	11048		11071		4		123	123								
P	11362		11386		5		124	123								
P	11386		11393		6		107	107								
P	11393		11403		7		110	110								
P	11403		11407		8		109	104								
P	11407		11439		9		132	132								
P	11439		11461		10		122	122								
P	11461		11484		11		123	123								
P	11484		11513		12		129	129								
P	11513		11530		13		117	117								
P	11530		11561		14		131	131								
P	11561		11591		15		130	130								
P	11591		11622		16		131	131								
P	11622		11638		17		116	116								
P	11638		11648		18		110	110								
P	11648		11662		9		111	111								

NO assay in
book

Page 1 of _____

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAG N046

Fabric Orientation Diagram: _____

Project: VANGORDA PLATEAU REMAP

Location: GRUM - CHAMP ZONE

Claim: BIX #3

Terr. Plane
Co-ords.: 6904274.1 N

592548.5 E

Grid
Co-ords.: 52 W / 8+005

-90°

Elevation: 1241.9 m

All symmetry determinations looking

NW with 52 dipping

SW with dip azimuth 230.

Total Depth: 112.3 m (368.5 ft)

Purpose: _____

Logged by: GAI/LCP

Date(s) Logged: July 18/84

Drilling
Contractor: _____

Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Started: Oct 4/74 — Completed: Oct 12/74

Diamond Drill Core Log

Code	Drillhole	Elevation	Northing	Easting	Units (feet /metres)	R.F.E						
1	2	9	10	16	17	24	25	32	34	39	41	42
T	FAQA046	11241.1	9904274.1	592548.5				512				

[illegible]

FEET
DDH F.A.G.A.O.H. 6
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

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Date: July 10/84 Logged By: GAN/KCP

Core	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
L	100	1300		1	1A	Air & overburden					
L	1310	1430		2	15A119	minor Hard - very, black, siliceous phyllite "Dolomite flash" but noncalcareous 9 for minor py associated w/ small gte eyes/augens along S ₁ & S ₂ Homogeneous. Minor lithons of gte-dolomite weathering tan-white fresh. Mod. broken, 8' core missing at 43' - don't know which unit					
L	1413	1619		3	15B1210	? Hd to dk med. greenish gray to gray, moderately hard to mod. soft, well-lithonized, highly calcareous phyllite. Calcite-gte-tan-weathering dolomite in lithons. No calc-silicates. Extensively fractured - filled w/ calcite. Mod. broken/recovery about 80% (note top of unit problems)					
L	1619	11175		4	131G10	9 minor (504 fuchsite) (5D4 fuchsite) Dk med gray, PS2 foliated, mod. soft, homogeneous, noncalcareous phyllite Few gte lithons have minor actinolite. 5CD from 82'-85' as couple of 6" bands. Top of unit uncertain because of poor recovery 68-75: 1 1/2 ft recovery / 75-83: 3 ft recov / 83-92 1/2: 2 1/2' recovery / in this interval core mod. broken w/ local rubble & redrilled core. No gauge. No strong indication of fault. Suggest significant fault zone at interval 56-92 1/2 with major strand near top & washed away - partly because of major lith change. / 95-107 mod. broken w/ good recovery / 107-117 very broken - local rubble & incipient gauge recovery 80%. S ₂ down core axis at 110' - Possible fault at sulphide contact					

poor recovery
56-62 1/2 - 2ft
62 1/2 - 68 - 1/2'

Top could be between 69' & 74'

S₂ changes dramatically between Units 3 and 4

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 36					
L	111175	112167		15	4E4B $\pm 1 \pm 2$	(4L6 weak) BXA Mod. well banded & foliated nearly massive pyritic sulphides alternating w/ short sections light greenish cream musc & chlorite minor py phyllite & short sections rich in bricked qtz-dol-py vein material - coarse, flesh tan-weathering dolomite. Interleaved 4L & 4E on a scale of 4L in 4E matrix. Locally 4E approaches 4K. Core split & crushed - no idea of orig status - recovery OK - contact w/ phyllite at top ground away
L	112167	113165		16	4E10 $\pm 4 \rightarrow 4E1$	(4E4 porous) 80:20 Massive, homogeneous, locally foliated, fine-grained pyrite w/ patchily distr. base metals in short zones of banded, porous massive sulphides. Flaking, smeared qtz 1mm-5mm across - locally approaching 4E1 Split - intact except last 1' which is rubble
L	113165	115110		17	4A10 $\pm 3 \pm 4$	H.B. - lower contact gradational. Minor interbanded 4C after 4A Sulphides 25% w/ py >>> sphal. Minor dolomite in pyritic bands. Core split - orig relatively intact w/ good recovery. Excellent sulphide-black chert banding. Dol. weathers tan - 10% of bands have dol.
L	115110	11765		18	4C10 $\pm 3 \pm 5 \pm 1 \rightarrow 4A0$	80:20 & dissem. in some bands & occupies fractures. Short massive sulphide bands similar to above 4E1. Largely derived from 4A by bleaching 20% of unit in 4A as 1 foot units. Total sulphides 30-35% - py >>> sphal. Split / intact / good recovery

Dol. is 10% in
the bands
it resides in
also

Date: July 18/84 Logged By: Gas/CCP

Code	From	To	Recov.	No.	Unit	Description
I	10 14 16 20 22 24 26 28 30 34 35					
L	11765	11808		19	14E110 ±4	Weakly banded, fine-grained, massive, homogeneous pyrite. Dissem. gte blcks Patched sphal at bottom of unit Split/intact/recovery OK
L	11808	11855		110	15A119	9 for py & minor sphal. Black, hard, PS2 flt'd phyllite w/ 5% white granular gte-sulphide bands. Very banded for 4A/5A Core mod. broken/recovery OK rubble at EOT
L	11855	12012		111	14E11 ±1 ±8 (4L6 weak)	This is a curved bracket unit. Interbedded 4E1, 4E4B, 4E0B → 4K & grading in & out of each other. Short 4L intervals interspersed. 4L contacts are broken by splitting / 4L also as thin folia-form seams. Too broken for significant relevant meaningful geology. Recovery OK minor rubble at TOI. Magnetic w/ minor spy, carbonate occurs as 2" band of 80% magnetite at 192'. Elsewhere mag. lms - lens irregular patches & lenses elongate in S ₂ . 30% magnetite bearing, 30% gte blck bearing, 40% massive py & 4L rubble lower contact drilled away. Likely that the total sulphide intersection is symmetric Upper & lower massive sections look similar because so heterogeneous & messy
L	12012	12140		112	1316101 (504*) Minor	Med. grey, homogeneous, PS2 flt'd, mod. soft, noncalcareous phyllite w/ brick red weathering S ₂ folia (laminar). Minor gte banding on mm to cm scale - no lithons. Gets lighter druse in first 3'

downhole. Lower contact gradational carbonate change. Minor foliaform 10A* from 1cm - 20cm w/ local pyrite. SD4* at 261'-1' thick -
more gte carbonate veined than enclosing rocks. TOI-213.5 mod. to v. broken, rubble 80% rec./213.5-223 intact to mod. broken/223-230 mod. broken to rubble - vein broken -
upper, rubble bsn - rec. OK / 230-233 intact / 233-239 mod. broken, 80% rec./239-258 intact, locally pker chippy - rec. OK / 258-259 rubble / 259-264.5 intact to mod. broken

C.A.M.C. 1981-E-3A

Date: 1/19/84 Logged By: GAJ/KCF

Code	From		To		Recov.	No.	Unit	Description
	10	14	16	20				
L	1217	140	1219	160		113	31G101	minor [586\$ minor] (5A6\$ minor siltstone bands) 90:10 Med gray to locally dark gray, noncalcareous phyllite w/ sparsely developed orange-brown weathering, granular gte - white mineral (fizzes slowly in 20% HCl) bands & lithons. Exhibits dolomite flash. Tends to be lighter colored than last Unit #12. 5A occurs as 1 or 2" thick bands near 235' To I - 275' intact / 275 - 281 med broken, cubby 1' recovery / 281 - EOT intact to med broken. Minn gauge at 274' No faults Has "dolomite flash" minor py porphs
L	1219	160	1310	160		114	31E101	minor? [5A6\$ minor?] Dk gray to black, PS2 foliated, noncalcareous, carbonaceous, med. soft to soft phyllite. Minn orange-brown weathering gte-carbonate (?) bands forming S2 // bands & locally lithons. Med. broken to locally cubby related to minor fractures near center. Recov OK, No fault. Not sure if additional mineral in grease bands is dolomite, siderite, siderite, weathered feldspar
L	1310	160	1312	110		115	5A11	9 v. minor [3E19 v. minor] Med to med hard, black, PS2 foliated, siliceous, carbonaceous phyllite. Sparse PS2 // bands gte - orange-weathering carbonate (?) - minn. gy. Relatively homogeneous. Med broken, recov OK, No fault. Has "dolomite flash"
L	1312	110	1314	175		116	131G101	→ (3G9) → (3E0\$ minor) Med gray to dk gray to black, med. soft, PS2 foliated, phyllite w/ minor granular grease bands // S2. No lithons. Thin interbeds (3" - 1 1/2") black phyllite w/ granular grease bands - similar to Unit #14. Weak "dolomite flash". Med broken - recov OK. Has weathering w/ black / brick red S2 parallel folia - red laminae. minor py porphs

has "dolomite flash"

2 8

Lithologic Log

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Date: _____ Logged By: GAS/CCR

	From		To	Recov.	No.	Unit	Description
I	10	14	16	20	22 24	26 28 30	34 36
L	347	T	316B		117	131G10	GROUSE & RUBBLE Same as above Unit # 16 50% recovery - Reminds me of DOLL LAKE FAULT ?? Has distorted SZ w/ acute angle to core. EOH N.B. Naucalcaensis phyllites seem to be best placed in Mt Niza fm. as opposed to Vanguardia fm. Could be in Vanguardia if necessary. Check DDH on Section 64W & 68W for SBLc layers w/ possible 1. lack of lithons 2 PSZ foliated 3. brick red folia weathering as opposed to orange-weathering folia

FEET!

DDH F.A.G.A.O.4.6
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Cyprus Anvil Mining Corp.

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Structural Log

Date: July 19/84 Logged By: GAS/KCP

Code	From	To	Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	Description							
	10	14	16	20	22	24	26	28	32	34	38	40	44	
S			320	P.S.2								72	230	
S			460	C.S.2								60		
S			550	C.S.2								60		
S			950	P.S.2								35		
S			1050	P.S.2								40		
S			11160	P.S.2								40		
S			11240	P.S.2								70		sulphide banding
S			113180	C.S.2								65		
S			114135	C.S.2								63		
S			115170	C.S.2								65		
S			116110	C.S.2								50		N.B. S ₁ at high angle to S ₂ crudely consistent w/ S ₂ -D ₂ fold hinge
S			117160	P.S.2								65		sulphide banding
S			118110	P.S.2								50		→ C.S.2
														much Z-symmetry near this interval highly uncertain because core split
S			119110	P.S.2								60		sulphide banding
S			120120	P.S.2								70		
\$			120120	C.S.2					01	0190				post D ₂ cren.
S			121201	P.S.2								60		
\$			121200	C.S.2					310	0145				post D ₂ cren. also 30/030
S			124100	P.S.2								55		
\$			124100	C.S.2					25	1810				post D ₂ cren.
S			125140	P.S.2								55		
S			127100	P.S.2								70		
S			129100	C.S.2								55		→ P.S.2
S			130100	P.S.2								70		→ C.S.2
S			131290	P.S.2								55		
S			134140	P.S.2								65		
														EOH

Feet

FAULT

DDH A046
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: Aug 9/84 Logged By: LCP

REC UPPER INT LOWER

Code	From	To	Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	S ₃ Dip Direct.	Description
I	10	14 16	20 22 24 26 28	32 34	38 40	44	
F	1300	1430	2B				mod brkn
F		1430	P				8' core missing
F	1430	1560	2B				mod brkn
F	1560	1625	2BIP3				2' / 4 1/2' recov / mod brkn
F	1625	1680	2BPC				recov 1/2' / 5 1/2' / mod brkn
F	1680	1750	2BIR2				mod brkn w/ local rubble
							recov 1 1/2' / 7'
F	1750	1830	2BIR3				recov 3' / 8' mod brkn
							w/ local rubble
F	1830	1925	2BIR2				2 1/2' / 9 1/2' recov
F	1950	11070	2B				mod brkn / recov OK
F	11070	11175	3BIR8				v. brkn / local rubble &
							incip gauge 80% recov
F	1560	1925	3F				major fault w/ major
							strand at top & washed
							away
F	11180	11216	7XID				brn of 4L clasts in
							4E pyritic matrix
F	11355	11365	R				rubbly in 4E
F	11810	11855	2B				mod brkn / recov OK
F		11855	1R				minor rubble
F	12101/2	12173	53BIR8				mod to v brkn to rubble
							80% recov
F	12113	12183	01B				intact to mod brkn
F	12123	12310	02BR				mod brkn to rubble
F	121330	121390	2B 8				mod brkn / 80% recov
F	121530	121590	R				rubble
F	121590	121645	1B				intact to mod brkn
F	121645	121660	2B 3				mod brkn / 30% recovery
F	121750	121810	2BIR1				mod brkn, rubble
							recov 1' / 6'
F	121810	121960	1B				intact to mod brkn
F	121960	13060	2BR				mod brkn to locally rubble
F	130160	13147	52B				mod brkn / recov OK
F	131475	13168	0GRIF5				gauge & rubble
							50% recov

C.A.M.C. 1981 - E - 4

DDAL LAKE FAULT ?!

F04

Cyprus Anvil Mining Corp

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Logged by _____

ASSAY LOG (SAMPLER'S COPY)

Date _____ Sampled by Lerr Addison

CODE	FROM			TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	42	
P	111175		11280		911668		105		95		4E4			
P	11280		11310		911669		30		30		4E4			
P	11310		11340		911670		30		30		4E0			
P	11340		11365		911671		15		25		4E0			
P	11365		11435		911672		70		70		4A0			
P	11435		11530		911673		95		95		7AC			
P	11530		11630		911674		100		100		4C0			
P	11630		11730		911675		100		100		4C0			
P	11730		11808		911676		73		73		4E10			
P	11855		11935		911677		80		75		4E5			
P	11935		12012		911678		75		77		4E5			
										</				

DIAMOND DRILL RECORD

LOGGED BY Stanley B. Reamabottom

PROPERTY Kerr Addison - AEX Joint Venture

LATITUDE 10 060.65 N BEARING OF HOLE 8100E

STARTED Oct. 4/74

DEPARTURE 7835.55 E DIP OF HOLE - 90°

COMPLETED Oct. 12/74

ELEVATION 4071' Topo (1252.46m) DIP TESTS 598' P.A.

Proposed:
DEPTH Ultimate: 368.5'
(112.32m)

D.D.H. No. A - 46

PAGE 1 of 2

CLAIM No. BIX #3

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	9.1	OVERBURDEN													
30	117.5	BLACK QUARTZ-GRAPHITIC PHYLLITE. Very micaceous, thin quartz-feldspar laminae. Abundant thin veins of quartz and carbonate between 35 - 60. Recovery poor to 90'. Core angles: 40° = 60°; 60° = 55°; 80° = 61°; 100° = 34°; 110° = subvertical; F ₂ fold nose. Note thin zones of quartz-sericite-mariposite at 82'.	10/19 10/18 2/7 6/8 1.5/7	---	31 50 68 75 83	50 68 75 83 90	19 18 7 8 7								
117.5	201.2	SULPHIDE ZONE IN STRIPED QUARTZ-GRAPHITE PHYLLITE, AND CREAM-WHITE QUARTZ-SERICITE PHYLLITES. Mainly mineralized phyllites with 15 - 20% sulphides concentrated in F ₂ layers (quartz-graphitic phyllite) and zones of massive banded pyritic sulphide. Note cream quartz-feldspar brecciated sulphide at 122'. Sulphide content varies 15 - 65% (in massive sections). Mainly pyrite, 1 - 2% magnetite, lesser sphalerite, galena, arsenopyrite.	9.5/ 10.5 3/3 3/3 1.5/ 2.5	850 851 852 853	117.5 128 131 134	128 131 134 136.5	2.2m 10.5 0.9M 3 0.7M 2.5	1.20 2.78 .18 .14	1.30 3.48 .47 .58	.47 1.62 .15 .12					
		117.5 - 128 - Sericite phyllite and sulphide													
		134 - 159 - Mineralized quartz-graphitic phyllite	7/7	854	136.5	143.5	2.1M 7	.08	.18	.12			1.82		
		159 - 174 - Mineralized quartz-sericite phyllite	9.5/ 9.5	855	143.5	153	2.1M 9.5	.08	.18	.18			2.42		
		174 - 181 - Mineralized quartz-graphitic phyllite and massive sulphide.													
		181 - 201 - Mainly mineralized quartz-sericite phyllite	10/10	856	153	163	10.0	.12	.23	.15			3.50		
		Core angles: 120° = 75°; 140° = 45° (F ₁); 160° = 67°; 180° = 55°; 200° = 51°	10/10	857	163	173	10.0	.08	.30	.15			3.42		
			7.8/ 7.8	858	173	180.8	7.8	.32	.46	.29			6.00		
					180.8	185.5	5.7	Barren quartz-graphitic phyllite							
			7.5/8	859	185.5	193.5	8.0	3.75	3.30	1.41			30.0	10.4	11.28
			7.5/ 7.7	860	193.5	201.2	7.7	2.00	1.68	.80			4.0	3.28	1.60
					201.2	205.5	10.0	3.4	2.0	1.21	11.07		34.0	29.76	12.23

LOGGED BY

LATITUDE

BEARING OF HOLE

STARTED

DEPARTURE

DIP OF HOLE

COMPLETED

ELEVATION

DIP TESTS

Proposed:
DEPTH Ultimate:

D.D.H. No. A - 46

PAGE 2 of 2

CLAIM No.

Z

-DIRECTION AND DISTANCE FROM

NE. CLAIM POST

[illegible]

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

No 'p' data
or assay.
Page 1 of _____

Date: _____

Hole Number: FAGA049

Reference Fabric Orientation Diagram: _____

Project: VANGORDA PLATEAU REMAPLocation: GRUM - CHAMP ZONEClaim: CHAMP # 5Terr. Plane
Co-ords.: 6904327.9 N592762.8 EGrid
Co-ords: 48W / 2+005Elevation: 1248.4 m.

All symmetry-determinations looking

Total Depth: 720 ft (219.5 m.)NW with 52 dippingInclination: -90°SW with dip azimuth 230°

Purpose: _____

Reason hole _____

Terminated: _____

Logged by: LLP / GAI

Date(s) Logged: _____

Drilling
Contractor: _____

Size	CORE From	To	Collar Cased and Capped:
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Hole
Cemented: _____Steel down
hole: _____Started: Oct 10/74 Completed: Oct 14/74

Date: _____ Logged By: _____

2

DDH F AGA049
2 8Cyprus Anvil Mining Corp.
Lithologic Log

Page 4 of

Date: Logged By:

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	1193			2110						4	3G80	soft to mod. soft, greyish green, non calc, PS ₂ fol. phyllite - very sparse ^{fine granular} ~~fine granular~~ base laminae / bands - locally weath along S ₂ folia: cutting Fract. with deep dk brown coating
												core mod broken - local minor rubble to 209'
												209' - 210' = v. broken
												recvy OK
L	2110			2405						5	3G08	(3FG5 B10) 70:30
												similar to unit 3 but proportions reversed - mll with bio act < 50% & no 4L
												core v. broken local rubble zones but recvy OK
												no major faults
L	2405			2465						6	3G08	Minor [3G07]
												mod. hard PS ₂ foliated m. dk. greenish grey non calc phyllite - S ₂ folia are grey often with earthy brown weath surf typical of int ripe phyllites in o/c
												mod. broken to intact, recvy OK, no faults
L	2465			2725						7	3G31	B10
												mod. hard, dk greenish grey to brown with thin "creamish" bands - consists of finely interbanded blue grey mll, greenish grey phyllite and slightly to mod. calc bio ± act phyllite - similar to unit 3 but "mll" bands much thinner and more sparsely developed so that overall rock looks biotite bearing more uniformly - mod. gte calc mining intact

similar to
calc silty
EoC Vang
near bath.

8

Lithologic Log

Logged By: _____

C.A.M.C. 1981 - E - 3A

DDH FAGA049
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Page 6 of

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description						
I	0	14	16	20	22	24	26	28	30	34	35	
L	3095	3145			12	3G48	str?					
							mod hard, mod greyish green generally, non calc P _{S2} foliated phyllite - S ₂ foliation stringers dominant, 0.6 po w/ some gtz - minor gtzose banding / veining intact - i' core loss - possible alt'n related to next unit?					
L	3145	3170			13	5CQ						
							strongly foliated alternating lt grey & dk green chl laminar - very foliated version of Leopard rock - minor orange weath, white fresh CO ₂ = no fizz in 20% HCl - Broken bit recvy OK.					
L	3170	4020			14	3G0,						
							mod soft, m grey, non calc - P _{S2} foliated - phyllite minor thin granular gtz bands locally containing green mineral - minor white bull gtz chl ± po veining on S ₂ - minor striping in shades of grey // to S ₂ - lower contact is gradational darkening over short interval intact					
							trace of calcareous calc sil act? - bio - calc minor epidote 6" at 385'					
L	4020	4120			15	3G9.1						
							mod hard to hard, dk grey to black, P _{S2} foliated, non calc phyllite; some v. dk grey gtzose bands - minor laminae & bands of fine dissem po. borderline for silica content intact					

C.A.M.C. 1981-E-3A

DDH FAGA049

2 8

Cyprus Anvil Mining Corp
Lithologic LogPage 7 of Date: Logged By:

From	To	Recov.	No.	Unit	Description
10 14 16 20 22 24 26 28 30 34 35					
4120	4315		116	3F9.1	(3G931) (3G0) 50:40:10 very dk grey to black hard carbonaceous micella, contains white bands of qtz elongate in S_2 + PS_2 foliated contains some interbeds of mod soft 3G0 - fine dissem Py > Pb 3F9 mainly top and bottom esp last 7' intact except for short rubble zone 419-425 where ~5' of core lost - no gouge. ^ problem with footage blocks.
4315	4377		117	3G9.1	Similar to unit 15 - mod hard to hard, dk grey to blk non calc PS_2 fol calc. phyllite - upper contact is last 3F9 band - thin strongly py laminae - lower contact is rapid transition to light soft phyllites. intact
4377	4990		118	3G0	mod soft, PS_2 fol. non calc mgny phyllite contains fine granular qtz bands with fine dissem act. (green color) very heavily calc and some contain minor dissem biotite - Chl. bull qtz po veins & inclusions along S_2 - lower contact ^{interlayers} gradational & arbitrary darkening of rocks into underlying unit - could be $\pm 5'$ easily Intact to mod broken, minor rubble zones - recvy ok - footage blocks may be moved a bit

DDH FAGA049

2 8

Cyprus Anvil Mining Corp.
Lithologic LogPage 8 of Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description						
	10	14	16	20	22	24	26	28	30	34	35	
L	4990	5320		119	3G9	(3G0) 80:20 as above but with greater proportion of dark phyllite. dk grey but doesn't make it to black - 3G0 bands to 5' long. TOI to 514' = m. broken. minor rubble. recvy ok 514' - 524' = m. broken last 1' is crackle bxa - 3' core lost. 524' - 532' = poker chippy to v. broken w. incip gvxz // S ₂ recvy ok						
L	5320	5398		120	3G1	FAULT BXA Rubble & broken core with larger pieces of fractured/ sheared phyllite - phyllite has green cast. 50% recvy						
L	5590	5690		122	3G418	mod soft, greenish grey ps ₂ foliated non calc phyllite - weathers along S ₂ folia to orangish brown. mod broken to rubble - minor (NW) gvxz at 560' 1' of bull gtz vein						
L	5398	5590		121	3G9	mod soft to mod hard, mdk grey to blk grey non calc, ps ₂ foliated - locally well developed granular gvxz s.l. stone(?) bands with dissem actinolite - these bands are coarser than up hole. mod broken, recvy ok						

intercut
out of
order →

DDH FA GA049

Cyprus Anvil Mining Corp.
Lithologic Log

Page 9 of

Date: Logged By:

Code	From		To		Recov.	No.	Unit	Description
	10	14	16	20				
L	5690	5760				23	3G9.1 @	mod hard to hard, dark grey, ps ₂ foliated carbonaceous grose phyllite. abundant thin ps ₂ bands of gte + tan weath very slowly fizzing CO ₂ upper contact sharp 11 S ₂ mod broken, recvy ok,
L	5760	5800				24	10.90 @	minor qtz ^{ep} minor intact
L	5800	6600				25	3GP	calc silicified - minor m grey, mod soft, non calc. ps ₂ foliated, phyllite - numerous granular grose bands which in detail have a fine internal lithon texture but don't form librams in phyllite - contain actinolite and locally biotite - coarser ^{grained} than grose bands in unit 19 locally, near bottom of unit, and internally have rusty orange brown weath on folia and fractures. Minor color gradations in grey to dk grey and grey to green very minor calcite leaching bands, some weath orange. intact to locally mod broken - p. chippy but recovery ok - no significant faults.

C. A. M. C. 1981 - E - 3A

FAULT

DDH FAGA049

Cyprus Anvil Mining Corp.

Page 12 of

Structural Log

Date: Aug 9/84 Logged By: LCP

Code	From	To	Feature	S ₀			S ₁			S ₂			Description
				5'	10'	15'	20'	25'	30'	35'	40'	45'	
F	11210	11675	21BR										mod to v. brkn / local rubble 50% recovery overall
F	11675	11840	31B										v. brkn to mod. brkn
F	11840	11930	1B1										intact to mod brkn recovery OK
F	11930	12019	2B1										mod brkn
F	12019	12110	31B										v. brkn
F	12110	12410	531BR										v. brkn w/ local rubble zones - recov. OK
F	12410	12416	1B1										mod brkn to intact
F	131019	131145	A	8									intact - 1' core loss
F	131140	131170	B										brkn recovery OK
F	141190	14250	RR	1									rubble zone 5' core loss - problem w/ footage tags
F	14375	14990	11BR										intact to mod. brkn, minor rubble zones
F	14990	151140	21BR										mod brkn, minor rubble, recov OK
F	151140	15240	21B	7									mod brkn 3' core loss
F	152130	15240	11XR										crackle bxa
F	15240	15320	31BT										poker chippy to v. brkn
F	153120	15398	31XR	5									rubble & brkn core, fault bxa, 50% recovery
F	15398	155190	21B										mod brkn, recov OK
F	155190	15690	21BR										mod brkn to rubble
F	15690	15760	21B										mod brkn - recov OK
F	15800	16600	11BT										intact to locally mod. brkn & poker chippy
F	166100	16630	31X	3									fault bxa, late stage fault 0-20° C.A. 1' recovered
F	16830	17010	21BR	9									mod brkn - local rubble 90% recov.
F	17090	17210	TP	5									poker chippy

C.A.M.C. 1981-E-4

50% recovery

E0H

DIAMOND DRILL RECORD

LOGGED BY Stanley B. Reamsbottom

PROPERTY Vangorda Mines - AEX Option

LATITUDE 10 108.61 N 2400S BEARING OF HOLE

STARTED Oct. 10/74

DEPARTURE B 051.31 E 48W DIP OF HOLE Vertical

COMPLETED Oct. 14/74

ELEVATION 4086.7 Topo (1259.01 m) DIP TESTS

Proposed: DEPTH Ultimate: 720

(219.46 m)

D.D.H. No. A - 49

PAGE 1 of 2

CLAIM No. CHAMP #5

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay			Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Pb	Zn	Ag
0	121	OVERBURDEN											
121	165	GREY, THINLY LAMINATED, QUARTZ-SERICITE PHYLLITE. Brown, rusty weathered micaceous laminae to 142'. Good F ₂ with local small-scale F ₂ folds. Core angles: 121' = 65°; 140' = 71°; 160' = 32°. 36' 15"	3/13	--	145	158	15	--					
			3/6	--	158	164	5	--					
165	193	STRIPED, GREY, WINE, GREEN, QUARTZ-SERICITE-CHLORITE-BIOTITE PHYLLITE. Striped appearance due to alternating laminae; (1 - 5mm) of quartz-sericite; chlorite or wine biotite (phlogopite?). Excellent F ₂ transposition foliation. Core angles: 180' = 67°; 190' = 82°. 58"	98X										
193	210	GREY, GREEN, QUARTZ-CHLORITE-SERICITE PHYLLITE. Excellent F ₂ . Thin quartz veins with chlorite blebs. Core angle: 200' = 74°. 50"											
210	314.5	STRIPED, GREY-WINE-GREEN, QUARTZ-SERICITE-CHLORITE PHYLLITE. Thinly laminated. Locally very striped. Excellent small-scale banding 245 - 270. Late kink folds. Small veins pyrrhotite - 261'. Core angles: 220' = 46°; 240' = 67°; 260' = 55°. 58"			210	292							
		Note unit quite chlorite rich, micaceous from 259' onwards. Mineralized between 292 - 94'; 3% pyrrhotite, with fine grained sphalerite, galena, chalcopryrite. Abundant lead pyrite, pyrrhotite in foliation. Good small-scale F ₂ (264') folds. Core angles: 280' = 66°; 300' = 65°; 310' = 67°. 140' 2"			292	294		Pt present					

LOGGED BY

PROPERTY

LATITUDE

BEARING OF HOLE

STARTED

DEPARTURE

DIP OF HOLE

COMPLETED

ELEVATION

DIP TESTS

Proposed:
DEPTH Ultimate:

D.D.H. No. A - 49

PAGE 2 of 2

CLAIM No.

-DIRECTION AND DISTANCE FROM

NE. CLAIM POST

[illegible]