CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 79 T01

Hole Number: 79 Tic -01

Project: ANVIL

Location: Vangorda Plateau (F-6)

Claim: WHI 23 (Tic)

UTM ~~Terr. Plane~~ Co-ords.: 6 905 890 N

590 885 E

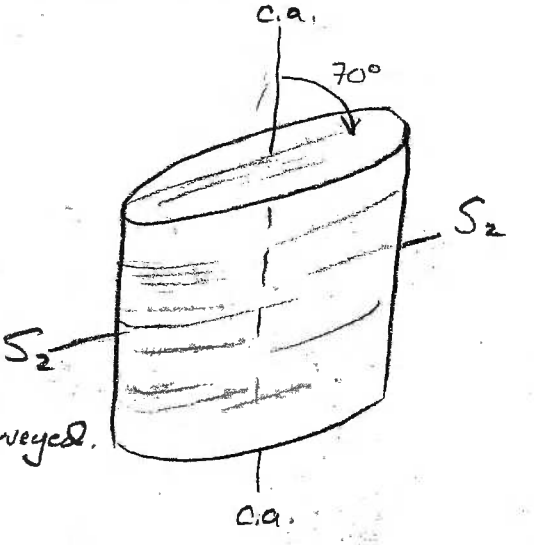
not surveyed.

Grid Co-ords.: L 4W 5+00S

Elevation: 1292 m not surveyed

Total Depth: 288.9 m

Fabric Orientation Diagram:



All symmetry determinations looking

NW with S_2 dipping

SW with dip azimuth 185

change to 230°

Purpose: SE dipping 5A; Grunt Deposit Continuation (various geophysics bullshit)

Logged by: DST

Date(s) Logged: 21, May, 1979

Drilling Contractor: Arctic

Core: Size	From	To
NQ	0	288.9

Collar Cased and Capped: No

Started: May 15, 1979 Completed:

Cyprus Anvil Mining Corp.

Diamond Drill Core Log

DDH 79TIE01

Code	Drillhole	Elevation	Northing	Easting	Comments
	2 8	10 16	17 24	25 32	34 48
T	79TIE01	1121921.10	9105819101.10	591018851.10	RFE 1151 1512

EA#9T01

not surveyed

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	79TIE01	00	1801.0	9.0	AT COLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
	2 8	10 47
		USE 2301 FOR DIP AZIMUTH =
		POSITIVE SURFACE ORIENT 1151 185°

DDH 79-TIE-01 (2 / 8) Cyprus Anvil Mining Corp — Lithologic Log

Logged By: DSJ

Code	From	To	Unit	Code	Description
	10 14	16 20	22 23	25 27	
L	100	159	1	#	O/B
L	159	1856	2	5B0	Normal, calc. 5B; fairly uniform over interval w/ some variation in $CaCO_3$ content; no 5B6 or interbanded 5B7/5D
L	1856	1859	3	5D3	w/ lg QQQ pods (dominant over interval)
L	1859	1937	4	5B0	as unit 2
L	1937	1940	5	5D3	
L	1940	1989	6	5B0	
L	1989	1022	7	5B6	
L	1022	1348	8	5B0	variable $CaCO_3$ content; middle sect. wkly calc.
L	1348	1352	9	5D3	
L	1352	1550	10	5B0	highly calc. but not 5E i.e. <50% $CaCO_3$
L	1550	1554	11	5B7	→ 5B73
L	1554	1990	12	5B0	as unit 10
L	1990	2048	13	5A0	→ 5A*; heavily deformed graph. phyll. w/ flattened & rotated, non-sulf.-bearing qtzite frags, forming up to 35% of rk; minor 5D/5F interbands; does not show ch. dull olive drab coloured "tuff" bands c.f. typical 5A*; qtzite content → proximity to Grum exhalative center???
L	2048	2197	14	3G9	completely interbanded sequence of non-calc. musc-chlor. phyll (3G), var. carbonaceous interleaved w/ lt. to med. yellowish green gray non-calc musc>chlor to chlor≥musc phyll. (3B); one wonders if this would be calc-silicates (3D) @ higher grade; c.f. units in base of 77X-07 & GAJ's 1975 "ank-silicates" in 3G of Swim area
L	2197	2334	15	3F0	typical 3F as seen in ocp. on road nr. KA quarry minor 3D interbands
L	2334	2414	16	3G0	→ 3G3 lt. yellowish greenish gray musc>>chlor. phyll. w/ prom. musc-rich widely spaced S; crenul. foln surfaces; minor garnets; c.f. bands in unit 14 some calc. portions; not 5B
L	2414	2441	17	3F0	as unit 15
L	2441	2462	18	3G0	as 16; qtz & felds clasts??/boudins??

DDH 79-TIE-01 (2 … 8) Cyprus Anvil Mining Corp — Lithologic Log

Logged By: [illegible] ↑KNOB↑

From (10–14)	To (16–20)	Unit (22 23)	Code (25–27)	Description
12462	12532	19	3G0	as units 16 & 18 only w/ pronounced crude "clots" (foliaform) and white felds (?) clasts ?? or porphs.; units 16, 18, 19 & part of 14 may be metam. xl. tuffs — speculative
12532	12559	20	3G0	as unit 19 w/ 30% interlayered, foliaform to slightly discordant 1 felds(spar?) pegmatites
12559	12620	21	3G0	oely xline musc-bio-gar schists as units 19 & 20; strong lenticular, foliaform nature of bio. clots; garnets "snowballed"
12620	12889	22		very variable sequence of bio-grt. monzo. & pegmatites of Anvil Batholith (early, foliated, "muscovite" phase); contact w/ 3G schists is sharp but foliated & // to S_2; it appears that outer "rind" of batholith is S_2 foliated here

DDH J.I.E.7.9.7.1 (2 … 8)

Cyprus Anvil Mining Corp.

Structural Log

Logged By: D S J / B v H

*	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
	10 14	16 20	22 24	26	28 32	34 38	
S		1170	C S 12			814 / 1815	Use 230 instead of 185
S		1178	C S 12			813 / 1815	
S		1176	C S 12			710 / 1815	
S		1234	C S 12			710 / 1815	
S		1292	C S 12			712 / 1815	
S		1351	C S 12			618 / 1815	
S		1410	C S 12			715 / 1815	
S		1480	C S 12			715 / 1815	
S		1543	C S 12			717 / 1815	
S		1602	C S 12			80 / 1815	
S		1659	C S 12			715 / 1815	
S		1711	C S 12			810 / 1815	
S		1766	C S 12			713 / 1815	
S		1850	C S 12			710 / 1815	
S		1937	C S 12			719 / 1815	
		1010 5	C S 12			810 / 1815	
S		1060	C S 12			715 / 1815	
S		1123	C S 12			810 / 1815	
S		1180	C S 12			710 / 1815	
S		1253	C S 12			812 / 1815	
S		1316	C S 12			615 / 1815	
S		1395	C S 12			810 / 1815	
S		1488	C S 12			615 / 1815	
S		1627	C S 12			810 / 1815	
S		1682	C S 12			710 / 1815	
S		1759	C S 12			712 / 1815	
S		1823	C S 12			718 / 1815	
S		1883	C S 12			619 / 1815	
S		1944	C S 12			715 / 1815	
S		1990	C S 12			610 / 1815	
S		2016	C S 12			615 / 1815	
S		2125	C S 12			715 / 1815	
		2190	C S 12			612 / 1815	
S		2249	C S 12			419 / 1815	
S		2310	C S 12			813 / 1815	
S		2371	C S 12			715 / 1815	

DDH T.1.E.79.-1 (2 8) Cyprus Anvil Mining Corp.

Structural Log

Logged By: D.S.T/B.V.H

From (10–14)	To (16–20)	Feature (22–24)	Esys (26)	S_1 Dip Direct. (28–32)	S_2 Dip Direct. (34–38)	Description
	12143 2	C 1 S 1 2		1	5 10 / 1 8 1 5	
	12149 3	C 1 S 1 2		1	6 18 / 1 8 1 5	
	12151 5 3	C 1 S 1 2		1	6 14 / 1 8 1 5	
	12161 5	C 1 S 1 2		1	7 10 / 1 8 1 5	
						END OF HOLE

LOGGED IN TERMS OF MM GRADE AND SCHIST-PHYLLITE TRANSITION

DDH 79-TIE-01

Cyprus Anvil Mining Corp

Lithologic Log

Logged By: LCP

From	To	Unit	Code	Description
0	159	1	#1	OVERBURDEN
159	1813	1	5B10	Boring sequence of 5BO with 2 small bands of 5D3. light grey color, variably laminated, variably calcareous. Po first noted as disseminated grains at 51 M. Above 51 M Py only. Po mantling Py at 151.8 M. Py still present at 164.9 M as small grains.
1813	1919	1	5B10	5BO starts to contain abundant small tension fractures filled by white calcite and/or quartz. These are at an acute angle to the core axis. Lower part of interval – start to see augens of qtz in phyllitic matrix. Strong crenulation cleavage is widely spaced – Augens are more completely formed along this crenulation cleavage. High angle tension gashes & filled fractures appear to crosscut augens & flow associated with augens without major disturbance of fractures.
1919	2104	1	5A1*	Qtz & calcite augens clasts in a black carbonaceous phyllite matrix. Clasts form eyes in the dark matrix. Interval contains thin bands of light green phyllite – these appear as coherent blocks in the more dismembered black phyllite. Augens are elongate in S2. light green to grey phyllite is qtz rich. Upper part of interval – core more coherent than lower part.
2104	2197	1	3G	Variably laminated green-grey phyllite. Not extensively fractured compared to section just above the 5A*. Contains minor interbands of pale green, variably calcareous, tuffaceous metasediments. Still phyllite – has not coarsened to a schist. Green so still chloritic.

DDH 79-11-E01 (2 / 8) — Cyprus Anvil Mining Corp — Page 2 of ____

Lithologic Log — Logged By: LCP

From (10–14)	To (16–20)	Unit (22 23)	Code (25–27)	Description
121197	121313	1	31F	Medium-grained grey marble. Contains bands & lenses of silicate mineralogy. These bands are commonly partially disrupted from deformation 227.3M first appearance of purplish biotite in silicate assemblages. Assemblages above this level are pale green – chloritic Silicate lenses are disrupted by late fractures – at acute angle to core axis Biotite not ubiquitous as go deeper. Still have chloritic assemblages. In some cases these look paler in color (possible retrograding??)
121313	121411	1	31G	Green schistose phyllite. Section immediately below 3F is calcareous. Appears to contain biotite augen in S2 fltn. Biotite augen look smaller – are difficult to see – as progress down-wood in core. Possibly chlorite from retrograding?? Fractures filled with biotite? Rocks more extensively fractured – more augen present – as go lower in section.
121411	121414	1	31F	Very argillaceous marble. Abundant lenses of silicate assemblages. These are very elongate in fltn. Marble is fine-grained, flinty. Section has undergone extensive strain & recrystallization. Silicate assemblages are cream to pale green. Chloritic. Biotite not visible.
121414	121416	2	31G	Green chloritic schist/phyllite. Contains garnet + sparse biotite augen. Qtz + fldspar eyes in micaceous matrix. More coarsely crystalline than phyllite. Possibly bt-grt grade retrograded back to chlorite.
121416	121513	2		Abundant biotite augen in fltn. Coarser schist. Assemblage consists of bt-grt-chlor-musc-qtz-fldspar?

DDH 79-TLE-01 (2–8) **Cyprus Anvil Mining Corp** Page 3 of _____

Lithologic Log Logged By: _____

From (10–14)	To (16–20)	Unit (22 23)	Code (25–27)	Description
				Amt of biotite varies inversely with amt of chlorite — from sparse chlorite to abundant chlorite.
				Gnt forms numerous small grains.
				Chlorite disappears from the assemblage below 251.1 M. Rock turns off-white from muscovite.
121532	121559			Coarse bt-gnt schist interbanded with "pegmatite's. Pegmatite consists of qtz-fldspr-muscovite-sparse gnt. Schist enclosing pegmatites is bleached to cream white — biotite is gone. May be some small newly formed biotite. Gnt remains looking wholesome.
				Schist biotite appears to contain fibrolite.
121559	121620			Coarse gnt-bt-musc-fldspr schist. Gnts larger than previous sections. Gnt surrounded by biotite rim. Biotite appears to contain fibrolite. Fldspars also form coarser augen than seen previously.
				Section right next to intrusion is bleached — biotite is gone.
				Fldspr & gnt are rotated. - snowball.
				New growth biotite also present.
121620	E101H			Intrusive. Basic rock is fine-grained biotite qtz diorite. Slightly porphyritic.
				Bleached zones with no biot. In some cases bleached zones enclose a qtz-biot vein.
				Intrusion crudely foliated // fol'n in schist.
				Qtz biot vein consists of "new" biot — unfoliated — later than mm biot in schist — probably corresponds to "new" biot in schist.

TIE-79-01

FAULT FILE

DDH EA79T01 (2 / 8)

Cyprus Anvil ~~Mining~~ Corp.

~~Structural~~ Log

Page _____ of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	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	
F	111919 0	121014 8	FIX1					BXA – TIE CONDUCTOR
								qtz & tuff augen in black
								sheared, carbonaceous matrix
F	121414 1	121416 2	FIX1			919 91919		Qtz & feldspar clasts.

C.A.M.C. 1981 – E – 4

Translated

DDH EA 79 T.O. 1 (2 / 8)

Cyprus Anvil Mining Corp.

Page _____ of _____

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	1100	1159		11	1#	O/B
L	1159	1856		12	5B01	
	1856	1859		13	5D31	(10Q0)
	1859	1937		14	5B10	
		1940		15	5D31	
		1989		16	5B101	
		11022		17	5B16	
		11348		18	5B10	
		11352		19	5D31	
		11550		110	5B10	
		11554		111	5B17	→ 5B73
		11990		112	5B10	
	12048			113	BXA	[5A0 → 5A# (5D, 5F)]
	12197			114	3G9	(3B_)
	12334			115	3F10	BIO (3D_)
	12414			116	3G01	→ 3G3 BIO, GAR.
	12441			117	3F10	
	12462			118	3G0	BXA? [1D0] BIO, GAR
	12532			119	3G01	[1D0] BIO, GAR
	12559			120	3G01	[1D0] – (10C0-pegmatite) BIO, GAR, SILL
	12620			121	3G01	[1D0] BIO, GAR, SILL
	12889			122	101AB7	5 (10C0-pegmatite)

C.A.M.C. 1981 – E-3