003782

DDH FA81AX4 Meters

Cyprus Anvil Mining Corp.
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	00	98		1	#	no recvy few granitic cobbles at end.
L	98	148		2	3G0	(3B3 bio) 85:15
						mod hard, med greenish grey, non calc, PS2 foliated, Phyllite
						Thinly banded with internally thickly lam bio chl ± qtz ± calcite
						3B(?) bands mainly below 13.2 m
						core is mod to very broken, local rubble - recvy ok
						Only minor rusty orange brown weathering on
						folia
L	148	160		3	4LG	weak ^minor^(3G3) minor
						Mod soft to mod hard, PS2 foliated, light creamish green, generally
						non calc phyllite. S2 folia light silvery green locally with
						grey tinge - contains thin calcareous bands which are
						darker green & locally contain po. cut surface weaths to orange
						brown looks like altered 3G phyllite with 3C bands
						Po as tiny dissem streaks along S2 folia
						Mod. broken
	160	221		4	3G3	Bio
						med greenish grey, mod soft to mod hard, ^non calc, PS2 fol phyllite^ (with patchy brown
						tinge & streaks // S2 & comp banding). Thinly to thickly
						laminated with dk grey to dark brown med to finely
						Xln biotite bearing marble - with bio also as selvedges around
						marble - commonly boudinage texture with biotitic
						silicates necking in marble. - Minor crosscutting fractures
						with chl & calcite surrounded by white alteration halo
						core mod broken to intact - no major faults
						lower contact gradational

10% mbl bands overall.

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

DDH 81AX04 (columns 2–8)

Cyprus Anvil Mining Corp.

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	221	234		5	361	4 weak
						mod hard to mod soft, light greenish grey, generally noncalc
						PS_2 fol Phyllite. Central part of interval is mainly
						granular qtzose bands with minor dissem green mineral
						and Po as S_2 ll bands locally microlithons
						End of interval has 2–2cm thick dk grey m. xln bands
						(similar to mbl of last unit)
						S_2 folia are light silvery green – upper & lower contacts
						gradational.
						looks like minor alteration and more qtzose nature
						combine to produce overall lighter color
						Intact (1 is for qtzose bands)
L	234	334		6	360	Bio ± 3 minor
						Similar to #4
						PS_2 fol, greenish grey, noncalc Phyllite w/ biotite banding
						locally developed – only very minor lamina of ± biotitic
						marble. (<5%)
						Unit becomes lighter in last 1m with gradational lower
						contact – being placed at last appearance of biotite
						down hole.
						S_2 folia are dark grey
						Intact.
L	334	392		7	364	weak 8 minor 3 minor (369) 70:30
						(w/ slight green tinge) mid grey mod soft, PS_2 foliated slightly calc Phyllite thickly interbanded
						with m dk grey, PS_2 fol mod soft non calc Phyllite –
						Contrasts to adjoining units since not biotitic (except locally)

Lower contact gradational darkening of color and appearance of biotite – Minor Po porphs along S_2

Core mod. broken local minor rubble. no faults

DDH 81AX04

Cyprus Anvil Mining Corp.

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	39	516		8	3631	bio calc silicate minor
						med grey (with pr-plish-pink-ish brown tint), mod soft, PS_2 foliated mod calc phyllite
						Thinly laminated $\parallel PS_2$ in shades of grey ± v. thinly banded with 2 cm thick marble bands = mod xln mbl either v. dk brown (due to much bio) or med grey
						Phyllite with thick gneissose lamina with dissem green mineral masked by more abundant biotite. - ~20% carbonate bearing bands
						Essentially same as units 4 and 6 except more bio and more carbonate bands
						unit actually consists of non calc phyllite interbanded with the mbl but called calc phy to be consistent with useage of 3630
						Most marble bands have bluish grey (amph.?) rims around them - reaction aureole.(?)
						ToI - 45.6 = intact
						45.6-46.6 = mod broken to rubbly
						46.6 - 55.2 = mod broken local rubble & poker chippy zones recvy ok. no fines
						55.2 - 55.4 = crackle ± vein bxa
						55.4 - EOI = Mod bkn to poker chippy
L	516	732		9	3631	±bio Gouge.
						gouge is v. broken core - upper portion same as #8 lower portion same as #9 with break from brownish to just grey at 60.5m - S_2 at steep angle to core axis ± locally kinked ⇒ this is a late steep fault - gouge itself is IND., 6.3 M / 16.5 m recvd.

73.2
56.7
16.5
73.2

recvy OK

DDH 81AX04

Cyprus Anvil Mining Corp.
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	732	765		10	3G3	"calcsilicaty" minor
						m grey to greenish grey, generally non calc, PS_2 striped mod soft Phyllite with 1-2 cm interbands of med x/n grey mbl with slight brownish tinge due to biotite mbl <10% of unit.
						Lower contact gradational marked by lightening / bleaching.
						S_2 at small ∠ to core axis
						S_2 Folia are steely grey - greenish color is disseminated green mineral in both calcareous and non calc portion
						Core strongly broken, locally rubbly, recvy ok
L	765	821		11	3G3,4	
						same as last unit texturally but overall color is light silvery greenish creme. S_2 Folia are greenish grey. ∴ looks like bleached and altered version of same ± calc phyllite.
						S_2 at high ∠ to core axis
						Core strongly broken with rubble at 80.4-80.7, recvy OK
L	821	871		12	3G08	Minor
						mod soft to soft, PS_2 foliated, mid greenish grey, non calc Phyllite. Thinly laminated in shades of grey - comp banding related to psoln.?
						S_2 folia are slightly greenish grey similar to #11 but no carbonate bands and retains grey color - green not obviously due to disseminated "calcsilicaky mineral" but due to minor "matrix" chlorite
						S_2 at ~30° to core axis.

TOI - 85.0 = strongly broken - rubbly
85.0 - EOI = mod to very broken

DDH 81AX04

Cyprus Anvil Mining Corp.

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	87½	93		13	3634	
						same as #11 - core is v. broken locally rubbly + incip. gouged. Kink Folding with axpl ~20° to CA.
L	93.5	111.0		14	3691	
						dk grey, mod soft to Soft, PS_2 foliated, non calc phyllite. Minor granular qtzose bands → laminae with green "calc-sil" mineral S_2 folia are dk grey
						Tor to 98.1 = mod to strongly broken, locally rubble ~1m core last
						98.1 - 99.6 = 0.4m of regound qtz vein pebbles carrying minor pyrite
						99.6 - 102.7 = v. broken, locally rubble, recvy ok
						102.7 - 110.0 = token recvy of small phyllite chips = 0.2m recvd!
						110.0 - 111.0 = v. broken last 0.1m regrounnd pebbles of Pyritic qtz vein .6m recvd.
						Unit is Messy zone related to steep folding + related faulting
L	111.0	111.6		15	3635	BXA
						Tan weath chl + calcite + dolomite, coarsely foliated phyllite Presumably originally metabasite now with only vestiges of Leopard rock texture now destroyed by development of fault bxa → flaser text
						upper contact drilled away lower steep (20° to CA) ∴ // S_2
						Core intact
L	111.6	112.7		16	3699	
						m dk grey, soft, non calc, PS_2 fol Phyllite. Abundant qtz crackle bxa, intact
						S_2 distorted / kinked
						recvy ok

DDH 81AX04 (2–8)

Cyprus Anvil Mining Corp.
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	1112 7	1117 8		17	3G9	[3E0] BXA
						dk grey to black, soft, locally calcareous coherent fault bxa with clasts of calcite, bull qtz ± py ; locally, fg. matrix is also calcareous. Has larger clasts of unbxtd phyllite Similer to unit #16
						Upper contact ≈ 50° to CA ; roughly ll to distorted S_2 above it - cut by steeper fracts at 25° to CA with same dip.
						Lower contact ≈ 55° to CA and sub ll to local S_2
						Internally flaser texture - foln is 20 – 40°
						Mostly intact but locally incipiently gouged to rubbly recvy ok
L	1178	1199		18	3E0	± 1 (3F9) 95:5
						mod soft to mod hard to hard, dk grey to black PS_2 fol generally non calc carbonac. phyllite - uppermost 0.3 m is dk grey to black mod xln mbl. -
						Minor py in streaks along S_2 & in xcutting fractures.
						S_2 folia black but dont easily smudge fingers
						Core rubbly, recvy ok
						no good 4A ribbon qtz texture
L	1199	1217		19	3F9	(3E0 borderline) 75 : 25
						dk grey to blk mn x/n PS_2 fol mbl with lesser interbands of mod hard to hard PS_2 fol to weakly lithonied dk grey to blk non calc phyllite.
						Mbl with minor Pyrite streaks ll S_2
						Core v. broken, locally rubbly, recvy ok

C.A.M.C. 1981 – E – 3A

DDH 81AX04 (2 8)

Cyprus Anvil Mining Corp.
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	121.7	125.7		R0	3E01	± 3 minor
						dk grey to black, mod soft to mod hard, PS_2 fol generally
						non calc carb. phyllite upper ½ of interval with
						v. minor thin calcareous bands (<1% ± 1/2 mm thick)
						Minor Py along S_2 folia as thin streaks along S_2 & in fracts
						Core v. broken locally rubbly - recvy ok.
L	125.7	127.5		21	3F91	(3E0) 80:20
						dk grey to blk mod xln mbl with minor 3E0 mod soft carb
						phyllite interbands.
						Core mod broken w/ ~½ m missing
						126.4 – 126.9 is much redrilled pieces of core.
L	127.5	131.0		22	3GP9	minor
						dk grey, non calc, PS_2 foliated phyllite; mod soft. S_2 folia are steely
						grey. S_2 is distorted and locally is ⊥ to core axis
						TOI - 130.4 = mod broken
						130.4 - 131.0 = v. broken to rubbly steep fractures at 10° to CA with
						local horizontal slicks on polished fracture surfaces.
						Last ½ m has dark chloritic green color.
L	131.0	133.3		R3	3G91	BXA [3E0 BXA]
						soft dk grey to black, coherent to incip gouged to gouged
						fault bxa with clasts of calcite & 10 P – v. broken core.
						Upper contact at ~20° to CA internal foliation in upper
						portion is at ~10° and decreases to 60° toward end
						lower contact may be fault at 45° to CA

C.A.M.C. 1981 – E – 3A

DDH 81AX04 (2 – 8)

Cyprus Anvil Mining Corp.
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	1337	1377		24	3G01	calc silicate v minor (3G9) 60:40
						m grey, mod soft non calc Phyllite with granular qtzose bands containing green mineral interbanded with dk grey PS_2 fol. non calc phyllite with some thin qtzose lamine. – Thickly interbanded – dark sub unit in center of unit.
						S_2 is fairly planar but still much crackle brx core mod broken.
L	1376	1382		25	3F91	
						Thinly laminated dk grey, PS_2 foliated mod hard mbl. containing lamine of black carbonaceous phyllite. Core is mod broken to intact
L	1382	1614		26	3E10	[SA16]
						dk grey to black, hard, PS_2 foliated carbonaceous siliceous phyllite – weathers to lighter grey with slight blue tinge Contains Py in xcutting fractrs assoc with qtz – not a lot of S. "4A bands" moderate dilute flash.
						TOI – 141.1 = v. broken with distorted S_2
						141.1 – 146.5 = mod broken to poker chippy
						146.5 – 151.2 = v. broken t poker chippy – 6m lost at top
						151.2 – 160.6 = rubble. with minor v. broken core. – some incip gouge.
						151.2 – 156.3 = 1.7m recvd 156.3 – 159.4 = 1.5m recvd. recvy ok for rest
						160.6 – 161.4 = mod broken. S_2 at ~20° to CA – steep fractures at 10° to core axis – this implies a steep fault

DDH 81AX04

Cyprus Anvil Mining Corp.

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	1617	1664		27	3E0±	3 BXA
						~~mod soft to mod hard~~
						dk grey to black, A, coherent, variably calc fault bxa.
						some reasonable 3F9 clasts but mostly calcite ± qtz
						vein ± some 3G0 phyllite
						Upper contact at ~30° to CA ± 11Sz
						lower contact IND
						Internal fabric = flaser foln at 15° to 30° to 50° to CA
						(starts off steeper ± flattens as go down)
						Core mod to v. broken and have intervals of gouge esp
						165.5 down
						NOTE:
						From 117.8 - 166.4 fits with carbonaceous mbl siliceous
						phyllite pkg in Mt Mye Fm (as seen in DDH's in
						Champ area below dual Lk fault.) Compare also
						to 79-VX-02 with some calc silicate unit removed
						by faulting along the faults that bound this overall
						unit
L	1664	1935		28	3G0	
						mod soft med grey non calc PS, Foliated phyllite
						contains minor slightly calcareous biotite-calcite-dk/action.
						lamine ± bands 2-3cm thick (of 333 bio ?) at 182.4 and
						189.1 - 189.3
						TOI - 170 is mod broken
						170 - 186.9 is v. broken ± pokerchippy rubbly and incip gouged
						but recvy is OK
						186.9 - EOI is mod broken to v. broken local rubble.

DDH 81AX04

Cyprus Anvil Mining Corp.

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	193	199		30	360	
						rubble & gouge
						Same rx as #29 but entirely trash
						3.2 m recvd.
						199.0 = EOH

DDH 81AX04 (2 8) Cyprus Anvil Mining Corp. Page 13 of _____

Structural Log Date: _____ Logged By: LCP GAJ

Code	From	To	Feature	sym	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		1,10 5	P,S,2				716	CS_N = 54/340
S		1,31 1	P,S,2				715	
S		1,87	P,S,2	S			813	→ CS_2 L_2 at ~90° to major axis ~ 45° ~/m down
S		2,13 8	P,S,2				716	→ CS_2
S		2,96	P,S,2				713	
S		3,42	P,S,2				716	L_2 is down dip
S		4,02	P,S,2				713	CS_N 30/010
S		4,66	P,S,2				78	
S		5,26	P,S,2				716	
S		5,94	P,S,2				610	
S		6,51	P,S,2				30	
S		7,09	P,S,2				511	
S		7,34	P,S,2				210	
S		7,75	P,S,2				42	
S		8,06	P,S,2				51	
S		8,37	P,S,2				35	
S		8,57	P,S,2				36	
S		9,04	P,S,2				68	
S		9,65	P,S,2				60	CS_N = 30/330
S		1,00 6	P,S,2				45	
S		1,02 6	P,S,2				56	
#S		1,14 1						flaser foly = 33° to CA
S		1,18 8	P,S,2				40	
S		1,24 3	G,S,2				50	L_2 is 60° clockwise from major
S		1,26 6	P,S,2				58	
S		1,25 2	P,S,2				56	
S		1,28 2	P,S,2				59	
#S	1,29 2	1,31 0	P,S,2				01	
S		1,30	P,S,2				01	
S		1,34 1	P,S,2				70	
S		1,38 1	P,S,2				85	
S		1,41 3	P,S,2				45	
S		1,44 0	P,S,2				51	
S		1,44 8	P,S,2				25	
S		1,45 7	P,S,2				01	
S		1,47 8	P,S,2				45	

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Structural Log 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	
S		1516 3	PS2				32	
S		1594	PS2				38	
S		166 5	PS2				58	
S		1709	PS2				74	
S		1743	PS2				58	
S		1771	PS2				56	
S		182 5	PS2				70	
S		1856	PS2				60	
S		18788	PS2				78	
S		1908	PS2				82	
S		1968	PS2				50	

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

DDH FA81AX4 (2 / 8) Cyprus Anvil Mining Corp. Page 15 of _____

F [redacted] Log Date: _____ Logged By: _____

Code	From	To	Feature	Sym	Dip Direct.	Dip Direct.	Dip Direct	Description
I	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	9	14	2,B,R					
F	14	16	2,B					
F	16	22	1,B,					
F	33	39	2,B,R					
F	45	46	2,B,R					
F	46	55	B,R,T					
F	55	55	X,O,					
F	55	56	2,B,T					
F	56	73	G,R,	3				
F	73	76	3,B,R					
F	76	80	3,B,					
F	80	80	R,					
F	80	82	3,B,					
F	82	85	3,B,R					
F	85	87	3,B,					
F	87	93	3,B,G					
F	93	98	3,B,R					
F	102	110	R,	0				
F	98	99	R,G	2				
F	99	102	3,B,R					
F	110	111	3,B	6				
F	111	111	F,X,					
F	111	112	Q,X,					
F	112	117	F,X,G					
F	112	119	R,					
F	119	125	3,B,R					
F	125	127	2,B,	7				
F	126	126	C,					
F	127	130	2,B,					
F	130	131	3,B,R					Steep fracts with horiz slicks
F	131	133	F,X,G					upper 20° intermediate 10°→↓ 60° lower 45°
F	133	137	2,B					
F	137	138	1,B,					
F	138	141	3,B,					
F	141	146	2,B,T					
F	146	151	3,B,T	8				

DDH FA81AX4 (2 / 8) Cyprus Anvil Mining Corp. Page 16 of _____

[redacted] Log Date: _____ Logged By: _____

Code	From	To	Feature	Sym	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	
F	1151 2	1160 5	R,B,G	4				
F	1165 6	1161 4	2,B					Steep fault
F	1161 4	1166 4	3,FX					flexure fold 10 → 50° to CA
F	1166 4	1700 0	2,B					
F	1700 0	1869	B,T,R					
F	1869 7	1933	2,B,R					
F	1933	1990	R,G,	6				

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