

006719

DDH FAGA039
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FEET

Cyprus Anvil Mining Corp.

Page 3 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
	100	380		1	#						
	380	503		2	SB62	\$ minor (SD\$4) 90:10 m dk grey soft ps foliated generally non calc phyll. minor thin dolomitic bands, contains thin tan weath dark chl phyll bands up to 10cm thick 11 S ₂ Moderately to strongly broken no major core loss - no faults SD in lower portion of interval					
	503	993		3	FA19	minor (100%) Hard to moderately hard dk grey to black non calc (but shows "dolo flash") carbonaceous siliceous phyllite contains of heavy "silicified" lithons & bands commonly with fine disseminated streaky disseminated py limonite 11 S ₂ foliation no calc sil noted TOI - 67 = intact 67-98 = v. broken & fractured rubble 100 at 83.5-87 70-77' = 1' recvd otherwise heavy ~90%					
	993	1348		4	SB64	(SB0 calc sil) 97:3 mgrey to dk m grey med soft lithon bearing phyllite - tan weath dark grease bands and lithons well developed 1' at 108' has calcite and green calc-sil mineral in lithons - upper contact sharp lower gradational faciliatory carbon break, 1 py porph intact to locally med. broken. 113-122 = 5' recvd otherwise heavy ok no faults					

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

DDH FAGA039
2 8

Cyprus Anvil Mining Corp.

Page 4 of

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	1348	1752		15	SB62 \$	dark gray, mod soft to mod hard, non calc phyll with abundant tan ^(white fresh) weather siliceous bands & lithons - 1' at 153 with calcite and calc sil green (as at 108') minor subbedial py, porphs. & lesser po. 1 small chert nodule noted core is mod broken, no faults, recvy ok.
L	1757	2040		6	SB6a \$ minor	in dark gray, soft to mod soft, strongly lithonoid non calc phyll - lithons slightly harder tan weather (white fresh) barely fine in 20% - weather suggest \$ but not good \$ reactions. lithons $\frac{1}{2}$ of unit. core intact, locally slightly broken. last 1' = broken 100% chert
L	2040	2200		17	SB62 @	mod dk gray to dk gray mod hard to hard, strongly lithonoid phyll like - in gray ^{granular} fine lithons with ^{overseer} tan spotting (non fine carbonate?) separated by black psz folies. non calc. intact lower contact carb. trans. tan lithon + carbon break.

DDH FAGA039
2 8

Cyprus Anvil Mining Corp.

Page 5 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	2200	2345			8	SB161	calc sil minor				
							soft m. gray non calc phyll gtease lithons with				
							v. minor calc sil minor (3) - lithons impart				
							banding in shades of gray				
	2345	2470			9	SB20	\$@				
							dk gray → black locally, most hard to hard				
							lithon of carbonaceous phyllite contains dolo-calc				
							+ calc in tan weather abundant (35%) gtease				
							ssta. lithons & bands (off white when fresh)				
							intact, recvy ok				
							hard lithons alternating with soft phyllitic folia				
							as usual				
	2470	2898			110	SB5	\$ minor				
							as #8 but with minor dolo bands and a				
							few calc. - po purpl. intact, recvy good.				
							v. minor calc sil P with dolo 'bearing' bands				
							good banding & lithons				
	2898	2953			111	SB6	± 4 ± 9				
							as above rocks but with light creamy green musc. sh				
							intervals with abundant gte py sphal in veins				
							& fractures - this is bugged wall rock not ore lithofacies.				
							split recvy ok.				

Lithologic Log

Date: Logged By:

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I	10	14	16	20	22	24	26	28	30	34	35
	2953	3237		12	586	calc sil minor → (5864) 90:10					
						m gray soft, to med soft, non calc phyllite with					
						grease laminae containing disseminations of calcite					
						poorly developed lithology - minor rusty brown					
						weathering along S ₂ foliation					
						bottom 3' is progressively bleached to light greenish					
						white mass > calc phyll.					
						same rx as unit 10					
						TOI to 301 = v. broken minor rubble & gouge					
						301 to 304 = intact to m. broken					
						304 to 308 = broken rubble & gouge & 70% recov.					
						gouge mainly near end					
						308 - EOT = intact with well developed fract					
						fills at 10-20° to CA.					
						lower contact with ore is minor post S ₂ fault.					
L	3237	3260		13	4445	BXA					
						Breccia of carbonate & gtz + 4/6 clasts in po + here					
						metal matrix					
						split originally intact recv OK					
L	3260	3290		14	5469						
						black, m hard, PS ₂ foliated non calc, carb phyllite, stringers					
						fract fills of po + sphal along & cutting S ₂ -					
						split fractured, originally OK					
L	3290	3320		15	4445	BVA					

as above.

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	3320	3360		16	HCB	(SB480)(4H4\$BXA)					
		</									

appears to represent the early vein in 4E which is broken up during sulphide flow. - 4E very rich in base metals so that it develops birdshot py^{micro} texture (= 4F)
Split, ok originally

DDH FAGA 039
2 8

Cyprus Anvil Mining Corp.

Page 8 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	355	5	361	5		20	4C0				(4A0) 70:30
											interbanded 4A & 4C each interval 6" to 1.5' long
											abundant splinty py x cutting S ₂ & filling
											fractures.
											upper 2' of unit has crosscutting dolo & py calcite
											filled fractures running down core axis
											tot S ⁺ ≈ 15-20% small amount of sphal py >> sphal
											split, originally, OK
L	361	5	362	5		21	4E4#				8 minor
											banded massive pyritic sulphide with dissemin calcite,
											has honey colored sphalerite, light patches not
											barite however
											split originally OK
L	362	5	364	0		22	5A69				(4C09 minor) 90:10
											uppermost portion is strongly foliated & tect with
											minor base metal sulphides, esp in x cutting fracts
											below that is blocky soft mass calc phyllite with
											some S ⁺ banding
											splitter induced rubble.
L	364	0	372	0		23	4A38				(4L6 weak) minor
											minor & for calc. clasts/lenses - S ⁺ well banded
											11.5, Tot S ⁺ 35-40%, <5% Nat as thin streaks/patches
											along S ₂

split, originally OK

DDH FA6A039

2

8

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Lithologic Log

Page 9 of

Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
L	3720	3745		24	4G810	\$minor (4E0\$minor) 70:30 int as thin streaks along S ₂ - Honey colored sphal - 4E In upper portion with flesh colored dol, vaguely banded split intact originally,					
L	3745	3767		25	5A161	9 mod hard to hard black carb phyllite with S ₂ bands of dissem py in gtz. - lacks granular ribbon banding! "cherty" bands of 4A. - splitter induced rubble					
L	3767	3815		26	4D3	\$minor & minor (4L6 weak 4Z) (5A19) 95:05:05 dominantly pyritic gtzite with minor green cream pyritic & sphal bearing micaceous bands & thin hard carb phyll bands. ~~5A19~~ as thin streaks to bands. Dol as flesh auger/clasts to bands, coarser than other minerals as usual. Split originally intact					
L	3815	3895		27	3G911	6 → 5A19 (4L24 weak) (4H42 BXA) interbanded units 6" to 3' long of above rock types. Contact obscured by splitting split, rubble, 4L has S ₂ foliation py sphal & xcutting cpy Fract's					

DDH FAGA039
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 10 of Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description					
1	10	14	16	20	22	24	26	28	30	34	35
2	389.5	472.0		28	3G9	m. grey, soft, non calc, ps ₂ foliated phyllite with minor amounts of qtzose bands to poorly developed lithons. No calc sil visible. Has rusty weather streaks along S ₂ . Last 2' is mainly qtz vein material along S ₂ minor po porphs.					
						intact to mod broken to 409'					
						409-410.5 = Gauge lower - 11 S ₂ lit mainly, IND recvy ok					
						410.5-432.0 is intact to mod bkn.					
						432.0-436 broken, minor rubble, mod gauge=IND recvy ok					
						436-441 moderately broken but recovery is OK					
						441-448.5 v. broken to rubble, no gauge but 70% recvy only					
						448.5 to 451.6 v. broken recvy ok					
						451.6 to 462 1/2' recvd, no gauge, v. broken core minor redrilled 10'					
						462-468 = broken recvy ok					
						468 = 1/2' of ground up dolo vein					
						468-472 = mod to very broken, recvy ok					
						called 3G9 rather than 5B6 since strongly ps ₂ foliated					

DDH FAGA.039
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	4720	5680		29	SA16	±1					
						non calc - m. hard to hard - carbonate, phyllite, dk grey to black - strong "close flesh" - local small blk chert nodules - ps. Foliated banded in shades of dk grey to black 11 to 52 on mm to up to cm scale					
						472-494 = m. to strongly broken local rubble ~ 80% recvd.					
						494-498 = v. broken 50% recvd.					
						498-520 = v. broken to rubble in gorges 80-90% recvd.					
						520-528 = rubble; IND gorge 1/8' recvd. = 16%					
						528-535 = v. broken minor gorge 60% recvy					
						535-565 = gorge; rubble 8/25' recvd.					
L	5680	5700		30	SD4*	gorge.					
						pale creamy white, minor fuchite, totally IND. recvy ~ 80% but 3'able					
L	5700	5760		31	3G1	gorge.					
						grey non calc gorge with 10 p @ 1' bands in gorge. recvy ~ 50% MAJOR FAULT ZONE 535-576					
L	5760	6005		32	3G931	± calc silicatey (3F9) minor					
						generally dk grey locally black, mod hard to hard, lithified gneiss phyllite containing several bands of finely vln carb. nbl (3F9) - slightly to mod calc lithons with local minor dissem actinolite - correlates with carb. calc. pks in upper Mt Nye here.					
						upper contact is 50% tie fault type BXA for 3" with					
						fracturing at 40/1000					

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

DDH FAGAO39
2 8

Cyprus Anvil Mining Corp.

Page 12 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					
						lower contact of unit is calcite break
						intact
L	6095	6240		33	3G9	± 1 ± calc sil
						Similar to above but no calcite in gtease bands,
						± calc sil = dissemin actinolite
						gtease bands contain clusum po.
						at 622 have 1' that is 3F9
						intact.
L	6240	6430		34	3G0	calc silicate ± 3 v. minor B10
						m. to milk grey generally non calc m. soft
						phyllite abundant gtease bands contain dissemin
						calc silicate ± biotite giving an almost 3D look
						in green + brown interbanding but not quite there,
						intact
L	6430	6480		35	3F9	
						dk grey → black, m. hard to hard, ps ₂ foliated carbonaceous
						finely, xln calcite mtl with phyllitic interbands. Fizzes
						violently, INTACT
L	6480	7680		36	5A19	
						distinctive striped lt grey & black with black generally
						more micaceous folia "ps ₂ striped non calc but
						consistently has "dolo flash." Hard but can be

scratched by knife. dissemin po (with) along S₂ folia and
in xcutting fracts. Lighter stripes are microlithons → CS₂ but too small.
correlates well with CNR 76 04 + 02. Po weathers rusty spherules on core.
intact

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

DDH FAG037
2 8

Cyprus Anvil Mining Corp.

Page 13 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
						core has white or bluish white lg secondary mineral growing on cut surface, dissolves in HCl during "pole flash" but not clearly the cause of it. Looks like smithsonite and on close inspection the coarse bands may have minor v fine disse ^d sphal but hard to be sure,
						^{fine} Dark mottling on darker bands near end of hole noted but cause unknown - could be anal ¹ P??
						768 = EOH

DDH FAG A039
2 8

Cyprus Anvil Mining Corp.

Page 14 of

Structural Log

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

Code	From			To			Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
	10	14	16	20	22	24					
S				41			PSZ			52	
S				59			CSZ			48	
S				65			CSZ			75	
S				95			CSZ S			75	
S				108			CSZ S			78	
S				129			PSZ			74	CSN 20/000
S				137			PSZ			80	
S				153			CSZ S			82	
S				159			CSZ			84	
S				170			CSZ			80	
S				176			CSZ S			79	
S				193			CSZ M			73	
S				207			CSZ S			65	
S				228			CSZ M			77	
S				238			CSZ			80	
S				252			CSZ			85	
S				266			PSZ			78	
S				284			CSZ			85	
S				302			PSZ			66	
S				320			PSZ			72	
S				336			CSZ			62	
S				348			PSZ			83	? banding in S = PS?
S				358			CSZ			61	
S				368			PSZ			70	? banding in 4C = PS?
S				382			PSZ			69	?
S				391			PSZ			67	
S				411			PSZ			58	→ CSZ
S				425			PSZ			70	
S				438			PSZ			62	
S				466			PSZ			50	
S				483			PSZ			47	
S				512			PSZ			60	
S				582			PSZ			78	
S				589			CSZ S			79	
S				608			PSZ			79	
S				620			PSZ			77	

Structural Log

Date: _____ Logged By: _____

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