

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH _____	FOOTAGE	AZIMUTH	DIP
EAST _____			
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO. _____	METHOD: _____		

COMPANY NAME _____
 PROPERTY NAME _____
 DRILLING CONTRACTOR _____
 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO. <u>74-X-01</u>
CLAIM NAME _____
COMMENCED _____
FINISHED _____
PROJECT NO. <u>456</u>

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS							
				FROM	TO	WIDTH	NO.	Cu	Pb	Zn					
			363-364' - Bxia as from 358.5-360'.												
365	391		Graphitic chloritic phyllite w/bull qtz. pods/veins and 1-2% po diss. throughout; po conc. in siliceous zones S_2 on average $20-30^\circ$ to core axis; S_1 generally has opposing dip @ $40-45^\circ$ to core axis although many sections $S_1 \approx \perp$ eg 380'; core becomes increasingly graphitic @ about 375' on.												
391	405		Musc-chlor-graph. phyll.; more musc. rich than above interval; S_1 poorly preserved; S_2 $20-30^\circ$ to core axis; scattered po-py gen. $< 1\%$.	400	405	5		.03	.03	.01					
				405	410	5		.21	.05	.01					
405	406.5		Massive py ($> 60\%$) in graph. musc. quartzite; no po or PbS/ZnS; sulfs. strataform.												
406.5	418.5		Musc. graph. qtzite w/1-10% py; py in most siliceous bands // S_2 ; S_2 20° to core axis.	410	415	5		.10	.03	.04					
				415	420	5		.13	.03	.02					
418.5	423		Siliceous chlor. phyll. more massive than at 360-365' but similar w/ $> 50\%$ po over 4.5' interval; po massive 418.5-420.5; essent. no py, ZnS, PbS w/po; appears as though massive py occurs in	420	425	5		.12	.03	.02					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS							
				FROM	TO	WIDTH	NO.	Cu	Pb	Zn					
			musc-graph. qtzites to sil. phyllites while mass po occurs in siliceous chlor. phyllite.												
423	428		Siliceous chlor. phyll. w/some graph. bands // S ₂ ; <1% po throughout; interval becomes less chloritic toward 425'.												
428	481		Graphitic musc. chlorite phyll. c.f. 391-405'; S ₂ 10-35° to core axis; from 430' unit is musc-graph + (chlor) phyll.; no appreciable sulfides; slightly calc.; not musc. rich enough to be "envelope" rks.	465	475	10		.01	.08	.02					
				475	485	10		.03	.17	.03					
481	487.5		Chlor. phyll. w/py bands; 10-20% py ave. throughout interval. No PbS/ZnS/po; weakly foliated.	485	495	10		.18	.18	.06					
487.5	496		Graphitic chlor. phyll. c.f. 365-391; S ₂ 10-15% to core axis; 6" band of 60% sulfides py-po-cp @ 495.5'; about 1% cp in this 6" band.												
496	546		Musc-graph + (chlor) phyll. c.f. 428-481; scattered 1" thick bands // S ₂ of 30-80% py + po or py; sample @ 518' shows sulfides to be pre D ₂ ; also @ 522'; S ₂ 5° to c.a. S ₁ 55° to c.a. @ 498.5 both showing same dip direction; numerous white bull qtz. + po pods	515	545	30		.14	.58	.04					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS		
				FROM	TO	WIDTH	NO.	Cu	Pb	Zn
			or veins w/chlor. selvedge from 524'; po-py bands > 50% sulfides	545	550	5		.06	.28	.18
			@ 527'; 541.5'; minor closely xlline blk. ZnS in qtz. vein/pod							
			≈ // S ₂ @ 544.5'.	550	555	5		.16	1.13	.08
546	553		Siliceous chlor ± (ep) phyll (poorly foliated) w/closely xlline white	555	560	5		.17	1.35	.11
			CaCO ₃ pods; minor py + po <1% throughout.							
				560	565	5		.17	1.25	.05
553	568.5		Qtz-musc-graph. phyll. to qtzite w/≈ 10% py + po "peppered"							
			throughout interval; some 2-4" zones of mass. sulfides; v. minor	565	570	5		.14	.82	.15
			PbS/ZnS/cp scattered over interval (see assays); mineralization							
			strataform and pre D ₂ ; S ₂ 5-10° to c. a.	570	575	5		.05	.23	.01
568.5	607		Siliceous chlor phyll c. f. 423-428' w/minor 1" thick po or po + cp	575	580	5		.08	.78	.19
			bands throughout; one 6" po-ZnS-PbS zone @ 575-575.5 very							
			similar to Matt Berry mineralization in that PbS/ZnS w/po in	580	585	5		.07	.15	.03
			chlor. phyllites (couldn't tell occurrences apart on basis of core);							
			S ₂ gen. horiz.; another zone c. f. Matt Berry 594-594.5'.	585	590	5		.16	.10	.01
				590	595	5		.14	.06	.01
607	623		Graph-chlor-musc. phyll. c. f. 428-481' becoming more musc. and	595	600	5		.24	.33	.02
			graph. rich down hole; S ₂ 10-15° to c. a.	600	605	5		.23	.28	.02
			END OF HOLE - 623'							

Diamond Drill Record

COLLAR:		HOLE SURVEY		
NORTH	11+50	FOOTAGE	AZIMUTH	DIP
EAST	40+00	408'		
ELEVATION				
LOGGED BY	D. S. Jennings			
DATE LOGGED				
MAP REFERENCE NO.	105 K-2	METHOD:		

COMPANY NAME Cyprus Anvil Mining Corporation
 PROPERTY NAME Swim Lake
 DRILLING CONTRACTOR Arctic Diamond Drilling Ltd.
 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO.	<u>74-X-03</u>
CLAIM NAME	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO.	<u>456</u>

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Pb	Zn				
			Drilled to test 450 y magnetic anomaly flanked by weak EM											
			conductors. Encountered 134' of water and overburden before											
			reaching bedrock. Rocks intersected were medium greenish grey											
			chlorite + sericite phyllite interspersed with light grey quartz +											
			sericite + chlorite phyllite to 321', dark grey moderately graphitic											
			phyllite to 338' and a post deformation diorite dike to end of the											
			hole. The graphitic rock and dike are devoid of sulphides but the											
			chlorite phyllite contained widespread disseminated pyrrhotite											
			and/or pyrite. This unit probably contains ~5-8% sulfides											
			overall with numerous zones where sulphides are more heavily											
			disseminated. Notable among these zones are 152' to 159'											
			averaging about 20% and containing 2' of 40% sulphides; 254' to											
			264' averaging about 30% sulphides and containing 2' of nearly											
			massive material, and 295' to 321' averaging about 15 to 20%											
			and containing 4' of nearly massive pyrrhotite with minor pyrite											
			and chalcopyrite.											
				134	144	10		.07	.39	.26				
0	134		Water and overburden - no recovery.											
				144	154	10		.04	.10	.30				
134	321		Phyllite - light grey weakly chloritic phyllite and very light grey											
			quartz-sericite rich phyllite. S ₂ commonly dips 10-20°.	154	164	10		.07	.57	.79				

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HOLE NO. <u>74-X-03</u>
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Cu	Pb	Zn			
			Unit is locally very rich in sulphides with the following order of approximate vol. %'s.	224	234	10		-	.20	.09			
			134-152 5%										
			152-159 20% includes 155'-157' 40%										
			159-254 1-3%	250	260	10		.17	1.45	1.04			
			254-256 70%										
			256-264 15-20%	260	270	10		.11	.14	.32			
			264-295 5%										
			295-307 15-20%	270	280	10		.05	Tr	.02			
			307-311 70%										
			311-321 10%	280	290	10		.03	Tr	.01			
			Best sulphide zones near bottom of unit are more pyrrhotite rich than pyrite rich. Pyrite rich zones are higher in unit. Pyrrhotite is commonly accompanied by minor chalcopyrite which could contribute up to .5% Cu over several feet locally. Galena and minor sphalerite are visible locally but in minor very scattered amounts.	290	300	10		.10	.02	.02			
				300	310	10		.22	.02	.02			
				310	320	10		.24	.03	.02			
321	338		Dark grey to black graphitic phyllite. Nil sulphides.										
338	408		Little altered porphyritic diorite dike. No sulphides - non magnetic	400	408	8		Tr	.12	.10			

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HOLE NO. <u>74-X-04</u>
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PROJECT NO. <u>456</u>

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO.	Cu	Pb	Zn			
			and medium grey where bedding and parallel S_1 are preserved in mesolithans of 1/8 to 6" thickness. Primary compositional banding locally on very fine scale. Chloritic, weakly graphitic and very weakly limy sections occur locally but are thin. Unit is mostly poor in sulphides. S_2 foliation varies locally but generally dips 10° to 30° . S_1 and S_0 relations to S_2 are shown in larger lithons at 490' where S_1 and S_2 dip 55° and 25° respectively in same direction and at 576 where S_1 and S_2 dip 65° and 25° respectively in opposite directions. There appears to be no systematic fold symmetry in the unit but this was not carefully investigated.										
			'Bull quartz' occurs locally, notably at 326-334', 342-359', 431-442', 466-470', 478-480', 525-527', 530-531', 533-536', 542.5-544', 557-558', 591-594' and 600-601'. Generally quartz is associated with minor pyrrhotite or pyrite and almost always the quartz has associated with it masses of fine grained chlorite particularly at the margins of the quartz bodies. Conflicting evidence exists for timing of quartz + chlorite + pyrrhotite bodies.										
			1) They transect bedding locally (not syn S_0).										
			2) Locally they cross cut foliation (S_2) and include	421	431	10		.05	.30	.04			
				431	441	10		.01	1.89	2.68			
				491	501	10		.01	.35	Tr			
				501	511	10		.03	.11	Tr			

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PROJECT NO. _____	<u>456</u>

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Pb	Zn				
			variably oriented foliated (S ₁ & S ₂) chunks of phyllite (post D ₁ and D ₂).											
			3) S ₂ foliation "crenulates" vein margins locally (early or pre D ₂).											
			4) Chloritic margins locally foliated but more commonly unfoliated.											
			Available evidence suggests the masses are metamorphic segregations "sweated out" at various times during deformational history. Minor carbonate occurs with chlorite selvages locally. Sulphides associate strongly with chloritic selvages inclusions. Minor galena and sphalerite with quartz vein at 435'.											
615	716		Phyllite - slightly lighter colored rock with more striking muscovite seen in gradational contact with above rocks.	690	700	10		.03	.14	.14				
			Chlorite is present but is more obvious as discreet "blebs" associated with quartz and pyrrhotite. The mineral association is similar to the "bull quartz" masses but quartz rich cores have a finer granular texture with more evenly distributed chlorite and sulphides. "Bull quartz" occurs locally in this unit but generally in smaller masses than above. Unit as a whole has slightly greater amount of sulphides than above phyllites with most of the	700	710	10		.05	.08	.11				
				710	720	10		.04	.02	.01				

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HOLE NO. 74-X-05
 CLAIM NAME _____
 COMMENCED _____
 FINISHED _____
 PROJECT NO. 456

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.	Cu	Pb	Zn				
			but commonly dip shallowly (not parallel to S_2 however) 30° or less.											
124	130		Chloritic phyllite - light green.											
130	133.5		Grey and green phyllite as above.											
133.5	138.5		Chloritic phyllite as above.											
138.5	164		Grey and green phyllite as above. 140-160' S_1 fairly steep.											
164	182		Chloritic phyllite as above. Sulphides occur sporadically in small masses associated with quartz in what appears to be veins or beds. Some quartz veins are undoubtedly post D_2 but they are small and don't have much sulphide. Larger and more sulphide rich quartz zones are possibly pre D_1 and D_2 .											
182	210		Grey green and green interlayered phyllite.											
210	219		Green chlorite rich phyllite.											
219	279		Grey and light green phyllite as above. S_1 steep near 270'.	257	267	10		Tr	2.97	Tr				

