

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 80-SD-01

Fabric Orientation Diagram:

Project: SWIM DEPOSIT CROSS SECTION

Location: SWIM DEPOSIT- G-6

Claim: SWIM 10

Terr. Plane
Co-ords.: 22, 640, 250 ' N

335, 350 ' E

Grid
Co-ords.: _____

All symmetry determinations looking

NW with S₂ dipping

Elevation: 3752' (1144 m)

SW with dip azimuth 183.

Total Depth: 762.6 m

Purpose: SWIM DEPOSIT - THRUST REPEAT OF SULFIDES ?

Logged by: JWM

Date(s) Logged: _____

Drilling

Contractor: ADD

Core: Size From To Collar Cased
and Capped: NO

NQ 0 407.8 m

BQ 407.8 762.6 m

Started: _____ Completed: _____

DDH 80-SD-1
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Lithologic Log

Logged By: IWM

Code	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
									<i>SUMMARY LOG</i>
L	100		128	8	01		#1		<i>TRICONED - NO CORE</i>
L	128		144	5	02		5D10		
L	144		163	4	03		5L10		
L	163		193	0	04		5B10		
L	193		110	0	05		5C10		
L	110		117	2	06		5B10		
L	117		122	6	07		5D10		
L	122		130	4	08		5B10		
L	130		131	7	09		5A10		
L	131		133	9	10		5D10		
L	133		125	0	11		5A10		
L	125		126	3	12		5B16		
L	126		306	6	13		5A10		
L	306		309	0	14		5B10		
L	309		316	7	15		5E10		
L	316		319	1	16		5B10		
L	319		321	8	17		5E10		
L	321		323	9	18		5B10		
L	323		339	4	19		5E10		
L	339		343	4	20		5D10		
L	343		344	2	21		5E10		
L	344		350	3	22		5C10		
L	350		351	1	23		5D10		
L	351		354	3	24		5A10		
L	354		370	8	25		5B16		
L	370		453	4	26		3G10		<i>REDUCED TO BQ AT 407.8</i>
L	453		456	1	27		3C10		
L	456		456	9	28		3D7		
L	456		457	6	29		3E10		
L	457		150	8	30		3G10		<i>minor interband 3C</i>
L	150		152	5	31		5D10		
L	152		152	8	32		3C10		
L	152		153	1	33		3G10		
L	153		162	3	34		3F10		
L	162		170	6	35		3G10		
L	170		170	7	36		1C10		

Code	From	To	Unit	Code	Description
	10 14 16 20		22 23 25 27		
L	100	1288	01		TRICONED - NO CORE
L	1288	1300	02	5D10	? BRECCIATED REGION - fragments of SB + SD? limonite stained along fractures. (Surface weathering)
L	1300	1405	03	5D10	? This is extremely fresh + unusual unit, not deformed by D ₂ event. appears as very fine grained unit well banded, "clay-stone" no graded bedding observed in hand samples, appears to have disrupted beds. silica + cherty appearing bands throughout. relict S ₂ observed acrosscutting S ₁ , some evidence of soft sediment deformation.
L	1405	1445	04	5D10	- not typical laminally banded chloritic phyllite - but is tuffaceous - crystal tuff? very sharp contact with overlying unit 03 thus =
					matrix of this unit compositionally resembles bulk of unit 03. Appears to be two cycles fine grained to coarse grained 40.5-42.3 sharp contact, and repeat 42.3-44.8 fine to coarse grained crystal assemblage.
L	1445	1540	05	IC10	contact with ↓ over 1m., Fresh volcanic, non-calcareous, flecky pink to cream ar. and chert.

Lithologic Log

Logged By: JMM

Code	From	To	Unit	Code	Description
L	10 14 16	20 22 23	25 27		
L	1570	1586	016	5C13	As in unit 5, but carbonate bearing
L	1586	1634	017	5C10	As in unit 5, pink to cream col. mineral.
L	1634	1658	018	5B10	Fault gouge 63.7 - 65.8 0.8 m. sec. Lithology = 5D, 5B
L	1658	1722	019	5B10	normal calcareous grey vanadate phyllite.
L	1722	1750	110	5B10	minor interbedded chloritic phyllite.
L	1750	1898	111	5B10	As in unit 09
L	1898	1930	112	5B10	/5D/4L? As in unit 10, possible alteration affect From 5C, chloritic phyllite.
L	1930	1969	113	5C10	Carbonated, pink andalusite? towards end of interval intercalated 5D (tuffaceous) as in unit 4, with 5C
L	1969	110100	114	5D10	/5C 5D:5C 50:50
L	110100	11153	115	5B10	calcareous phyllite, small darker in color than units 9+11 carbonaceous?
L	11153	11172	116	5B10	/5D/4L As in unit 12 + 14
L	11172	11196	117	5C10	carbonate bearing
L	11196	11208	118	5D10	
L	11208	11226	119	5D10	/5B/4L? As in unit 16, 14+12, calcareous. im of alteration around 5C?
L	11226	11304	20	5B10	minor interbedded chloritic phyllite 1234 - 1304 1.5 m. core recovered.
L	11304	11317	21	5A10	→ 5A9 minor spite along silica rich intervals.
L	11317	11339	22	5D10	locally texturally resembles 5C, calcareous, sharp contacts with 5A both hanging and footwall.
L	11339	11384	23	5A10	As unit 21, silica as descent lenses. + pods.

Code	From	To	Unit	Code	Description
	10 14	16 20	22 23	25 27	
L	1389	1554	24	5A10	As in unit 23, broken & ground core.
L	1554	1758	25	5A10	→ SA9. pyrite as ubiquitous. Fire dis. throughout. ② remobilized veinlets & pods. ③ Folioform "veins" remobilized py not necessarily assoc with silica rich S ₂ bands unit appears to be anomalous in total sulfides, minor po present. SAO appears to be more siliceous near top of interval.
L	1758	1827	26	5A10	As in unit 25, broken core, minor fault gouge
L	1827	1932	27	5A10	→ SA9 as in unit 25, po Fe py
L	1932	1935	28	5D10	? heavily altered to sericitic 4L?
L	1935	2048	29	5A10	→ SA9 as in unit 25 po Fe py locally siliceous → SA19 → 4A0
L	2048	21056	310	5A10	broken and ground core, as in unit 29
L	21056	21061	311	5A10	Fault gouge.
L	21061	23185	312	5A10	locally to SA9 (over mm) in siliceous bands. pyrite as fire dis., folioform. po as "veinlets" within S ₂ plane and crosscutting S ₂ - but not as fire dis. This interval exhibits good phyllic banding in S ₂ - not as broken & ground as previous SA intervals.
L	23185	2423	33	5A10	As in unit 32, abundant silica as veinlets & Fracture fillings cutting S ₂
L	2423	25101	34	5A10	As in unit 32

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	125101	126133	35	5186	non calcareous, non carbonaceous phyllite =360 non chloritic, becoming more carbonaceous towards end of interval.
L	126133	126157	36	51A10	70% fault gouge
L	126157	127101	37	51A10	minor fault gouge, minor py as small bbbo. steep S ₂ towards EOT
L	127101	127128	38	51A10	Fault gouge.
L	127128	127175	39	51A10	broken core + gouge
L	127175	128157	40	51A10	increasing silica content, minor dis. py. "cherty"
L	128157	130166	41	51A10	As in unit 40, more pronounced PSL, more "phyllitic" locally to SA9 DM 1-3 cm in silica rich bands.
L	130166	130190	42	51B10	15E10/5A10 this is a contact zone between SA + SE, py bands in S ₁ , carbonaceous.
L	130190	131167	43	51E10	overall fairly dark in colour, carbonaceous. locally finely dis. py.
L	131167	131191	44	51B10	calcareous phyllite locally to 5E10 or 5E locally to phyllite. Finely dis. py.
L	131191	132118	45	51E10	As in unit 43, locally disrupted (carbonaceous) beds in S ₂
L	132118	13239	46	51B10	As in unit 44
L	13239	13255	47	51E10	As in unit 45, 43 contact with 5D marked by zone (0.2m of qtz carbonate fragments.
L	13255	13258	48	51D10	
L	13258	13394	49	51E10	As in unit 47, py TPO in siliceous bands very locally, locally enriched in silica as OOO + quartz sweets
L	13394	13434	50	51D10	calcareous, very fine grained quite and.?
L	13434	13442	51	51E10	as in units 45, 43
L	13442	13503	52	51E10	Variably calcareous, coarse grained

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	13510 3	13511 1	53	510	Very siliceous - rhyolitic?
L	13511 1	13513 3	54	51A10	Sharp contacts
L	13513 3	13518 8	55	51C10	
L	13518 8	13518 3	56	51A10	
L	13518 3	13518 3	57	51A10	30% interbedded SD
L	13518 3	13519 7	58	51B16	(360) lower contact with unit 59 marked by fault & breccia. overall unit is slightly carbonaceous.
L	13519 7	13519 7			? 536 fault gouge.
L	13618 8	13708 8	60	51B16	As in unit 58 (360) minor fault breccia at 370.2 to pyrite blebs.
L	13708 8	13729 9	61	31G10	As in unit 58, 60 (units showed by 360) broken core and fault gouge?
L	13729 9	13782 2	62	31G10	50% badly broken core 50% fault gouge
L	13782 2	13825 5	63	31G10	Broken core
L	13825 5	13831 1	64	31G10	Fault gouge
L	13831 1	13935 5	65	31G10	FROM TO 371.2 - 387.4
L	13935 5	13937 7	66	31G10	Fault gouge only 8 m recovered.
L	13937 7	14078 8	67	31G10	very minor carbonate bands near end of interval
L	14078 8	14109 9	68	31G10	TO 407.8 N/A variably & locally & minor carbonate bands
L	14109 9	14113 3	69	31G10	Fault gouge
L	14113 3	14119 4	70	31G10	As in unit 68
L	14119 4	14258 8	71	31G10	slightly more carbonate than unit 70, 68, dull boring grey (locally) granitic 360 as in 80-SD-01 in lower sequence of late.
L	14258 8	14384 4	72	31G10	slightly calcareous Mt. Myl.
L	14384 4	14389 9	73	01Q10	
L	14389 9	14534 4	74	31G10	normal non calcareous. minor chloritic bands.
L	14534 4	14561 1	75	31C10	in part tuffaceous.
L	14561 1	14569 9	76	31D7	calc - silicate? or 3C/36
L	14569 9	14576 6	77	1E10	- quartzitic gouge


13, 15, 16

Lithologic Log

Logged By: JMM

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	15176	15189	78	3D7	As in unit 78
L	15189	15217	79	3G10	normal - non-calcareous, locally chloritic phyllite po sulfides present with po OQO locally.
L	15217	15223	80	3CP	
L	15223	15245	81	3G10	As in unit 79
L	15245	15254	82	3CP	15DD in part tufaceous, calcareous
L	15254	15271	83	3G10	15B6 as in unit 81, minor amounts dis py, minor chlorite.
L	15271	15282	84	3K10	locally calcareous, in part tufaceous.
L	15282	15282	85	3G10	as in unit 83
L	15282	15257	86	5D10	close equivalent to 5D, tufaceous chloritic phyllite - not well (laminar) bedding, non-calcareous throughout.
L	15257	15282	87	3K10	1360, 5DD in part 40% as in unit 86, minor 36 interleaved.
L	15282	15312	88	3G10	muscovite. sericite >> brotite this unit on First appearance = 4L0 but there are differences - contact with 3C, texturally as unit 86, sulfides (py) as small blebs - not "stumps"
L	15312	15710	89	3F10	Generally 80-85-90% 3F0 throughout. locally 360 interleaved
L	15710	15718	90	3F0	1360 50:50 As in unit 89
L	15718	15718	91	0190	
L	15718	15814	92	3F0	As in unit 90
L	15814	15817	93	3CP	
L	15817	15844	94	3F0	good x'tilline marble
L	15844	16132	95	3F0	As in unit 92, 90 - phyllitic interbedded, disrupted beds 60% carbonate
L	16132	16212	96	3F0	70-80% carbonate
L	16212	16237	97	3F0	minor chloritic phyllite interbedded. 10%
L	16237	16693	98	3G0	sharp contact with 3F0, 1% po near contact, chloritic bands

Structural Log

Code	From		To		Feature	SYE	S ₁		S ₂		Description	
	Dip	Direct.	Dip	Direct.			Dip	Direct.	Dip	Direct.		
	10	14	16	20	22	24	26	28	32	34	38	
S				65.8	PS12R							R controlled region 28.8-65.8
S				68.9	CS12S				70	183		S sym 65.8-68.9
S				72.0	CS12Z				67	183		
S				77.1	CS12S				69	183		S sym 72.0-77.1
S				77.7	CS12Z							
S				80.2	CS12S				76	183		S sym 77.1-80.2
S				81.8	CS12Z				78	183		
S				87.0	CS12M				70	183		
S				89.8	CS12S				75	183		
S				100.0								SC, SD
S				101.0	CS12S				70	183		
S				109.4	CS12Z				73	183		
S				111.9	CS12S				70	183		
S				115.2	CS12Z				70	183		
S				122.0								R region SC, SD
S				131.4	CS12S				65	183		
S				135.3	PS12				80	183		
S				154.7	PS12				61	183		
S				157.0	PS12P				68	183		PS2, Rock + Broken core 2 Z's + 2 S's observed throughout int.
S				159.2	CS12S				75	183		
S				167.0	CS12				70	183		
S				169.4	CS12Z				69	183		
S				174.9	CS12				75	183		S
S				176.8	CS12S				69	183		S sym 169.4-176.8
S				183.3	CS12P				83	183		
S				188.5	CS12Z				83	183		Z sym 183.3-188.5
S				192.2	CS12S				80	183		
S				196.6	CS12Z				65	183		
S				200.0	CS12S				55	183		
S				206.8	CS12B				53	183		breccia  gouge + broken core.
S				207.5	CS12Z				73	183		
S				208.1	CS12S				68	183		
S				210.9	CS				59	183		

Code	From		To		Feature	E S Y	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S				2135	CS2	Z			58	183	Z sym 208.1 - 213.5
S				2187	CS2	S			70	183	S sym 213.5 - 218.7
S				2227	CS2				80	183	
S				2244	CS2	M			73	183	M region - possibly Z region here as well
											Z7S
S				2298	CS2				70	183	
S				2392	CS2				75	183	
S				2413	CS2				62	183	
S				2468	CS2				75	183	
S				2479	CS2	Z			70	183	Z sym 224.4 - 247.9
S				2495	PS2	P					PS2 247.9 - 249.5
S				2523	CS2				66	183	
S				2579	CS2	Z			64	183	Z sym 249.5 - 257.9
S				2621	PS2				40	183	
S				2640	PS2	P			57	183	PS2 257.9 - 264.0
S				2684	BX1A				65	183	Breccia + Gouge
S				2694	CS2	Z			60	183	
S				2735	PS2				71	183	
S				2782	PS2				05	183	
S				2815	PS2	R			50	183	Gouge, Broken Core, PS2
S				2855	CS2				70	183	
S				2877	CS2	Z			64	183	Z sym 281.5 - 287.7
S				2904	PS2	P			63	183	
S				2925	CS2				65	183	
S				2969	CS2	M			70	183	M REGION 290.4 - 296.9
S				3009	CS2	S			65	183	S77
S				3049	CS2	Z			67	183	Z7S
S				3101	PS2				70	183	PS2 TO EOH
S				3160	PS2				80	183	
S				3224	PS2				64	183	
S				3285	PS2				63	183	
S				3322	PS2				60	183	
S				3377	PS2				32	183	
S				3431	PS				77	183	

23
20

Structural Log

Code	From		To		Feature	Sym	S ₁		S ₂		Description	
							Dip	Direct.	Dip	Direct.		
	10	14	16	20	22	24	26	28	32	34	38	
S				347.7	PS12					72	183	
S				353.8	PS12					85	183	
S				358.8	PS12					60	183	
S				367.8	PS12					65	183	
S				368.1	PS12					50	183	
S				370.9	PS12P					80	183	PS2 TO 370.9
S				387.6	PS12B					77	183	Breccia & gangue
S				391.0	PS12					80	183	
S				395.6	PS12P					80	183	PS2 387.6 - 395.6
S				399.2	PS12M					80	183	Mixed Sym 395.6 - 399.2
S				402.5	PS12P					82	183	
S				405.9	PS12M					80	183	
S				410.9	PS12					76	183	
S				416.1	PS12Z					75	183	Z sym 405.9 - 416.1
S				419.9	PS12S					75	183	S sym 416.1 - 419.9
S				421.5	PS12Z					82	183	Z sym 419.9 - 421.5
S				425.1	PS12					65	183	
S				429.5	PS12					80	183	
S				435.8	PS12					82	183	
S				441.3	PS12					84	183	
S				446.5	PS12					80	183	
S				451.1	PS12					73	183	
S				453.8	PS12					75	183	
S				462.1	PS12					87	183	
S				468.1	PS12					78	183	
S				474.6	PS12					85	183	
S				480.6	PS12					88	183	
S				486.7	PS12					80	183	
S				492.8	PS12					80	183	
S				498.6	PS12					75	183	
S				502.3	PS12					83	183	
S				508.4	PS12					75	183	
S				514.5	PS12					80	183	
S				520.6	PS12					80	183	
S				526.7	PS12					76	183	
S				535.8	PS					84	183	

Structural Log

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S				15419	PS12				83	183	
S				15486	PS12				80	183	
S				15511	PS12				87	183	
S				15571	PS12				88	183	
S				15602	PS12				82	183	
S				15663	PS12				88	183	
S				15693	PS12				89	183	
S				15744	PS12				80	183	
S				15815	PS12				74	183	
S				15876	PS12				74	183	
S				15928	PS12				82	183	
S				15989	PS12				75	183	
S				16050	PS12				78	183	
S				16090	PS12				80	183	
S				16151	PS12				80	183	
S				16212	PS12				78	183	
S				16272	PS12				86	183	
S				16324	PS12				87	183	
S				16376	PS12				72	183	
S				16413	PS12				78	183	
S				16443	PS12				83	183	
S				16516	PS12				82	183	
S				16547	PS12				78	183	
S				16577	PS12				88	183	
S				16632	PS12				86	183	
S				16724	PS12				80	183	
S				16788	PS12				67	183	
S				16836	PS12				86	183	
S				16867	PS12				77	183	
S				16897	PS12				82	183	
S				16958	PS12				86	183	
S				17034	PS12				85	183	
S				17062	PS12				62	183	
S				17096	PS12				81	183	
S				17128	PS12				88	183	
S				17181	PS				88	183	

