

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 80-K-01

Fabric Orientation Diagram:

Project: _____

Location: SWIM BASIN / SHEET G-5

Claim: KIT 117

Terr. Plane
Co-ords.: 22,651,400 N

367,800E E

Grid
Co-ords.: _____

All symmetry determinations looking

NW with S₂ dipping

Elevation: 3900'

SW with dip azimuth _____.

Total Depth: 648.3

Purpose: STRUCTURE & STRATIGRAPHIC TARGETS / ASSES.

Logged by: JWM

Date(s) Logged: _____

Drilling
Contractor: ADD

Core: Size From To Collar Cased
and Capped: No

NQ 0 372.3

BQ 372.3 648.3

Started: JUNE 28

Completed: JULY 26

Lithologic Log

Code	From	To	Unit	Code	Description	
	10 14 16	20 22 23 25 27				
L	100	1285	01	5B11	TRICONED - NO CORE	
L	1285	1416	02	5B12	"carbonaceous marble", = black limestone more correctly logged as SE 2/5B2, generally finely laminated.	
					NOTE: TO 31.1: drilled to JUNE 11 before fire in swim basin forced evacuation of hole.	
L	1416	1733	03	5B12	similar to unit 02, breccia zone with gtz-carb. infillings.	
L	1433	1585	04	5B12	lith. as in unit 02	
L	1585	1640	05	5B12	as in unit 02, 04, broken & gouged core, increase in graphitic content.	
					above units often contain finely divided py (< 4 mm.)	
L	1640	1655	06	5H10	? s.c.? is this similar to outcrop located on the knob west of the Kit Lok? hand samples appear pyroclastic in appearance? - non-calcareous	
L	1655	1742	07	5B13	slightly anomalous in carbonate. good nodular limestone remnants in SB.	
L	1742	1759	08	5B10	As in unit 08, tectonic region resembles SA* in texture.	
L	1759	1927	09	5B10	As in unit 07	
L	1927	1929	10	5B10	minor gouge zone	
L	1929	1100	11	5B10	As in unit 09	
L	1100	1102	8	12	000	more properly as 60% gtz carbonate, 20% chloritic phyllitic (SD?) and 20% calcareous phyllitic 5B0
L	1102	1283	13	5B2	15E0 up to 70-90% carbonate (calcite) overall more phyllitic ^(PS2) than above units of 5B, abundant gtz-carbonate intervals	
					NOTE: SE not silicated or typically phyllitic.	

Lithologic Log

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Code	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
1	128	5	149	0	14	5E0			As above 5E = limestone. - silty limestone.
2	149	0	153	7	15	5B3			abundant qtz. carbonate "sweats"
2	153	7	178	7	16	5E0			As in unit 14
2	178	7	183	7	17	5B3			normal 5 with higher % of carbonates present.
2	183	7	186	0	18	5D0			minor py (diss)
2	186	0	204	6	19	5B6			Interval of 5B non-calcareous - very minor calcareous "nodules"
2	204	6	205	7	20	0Q0			qtz. carbonate.
2	205	7	208	5	21	5B6			As in unit 19
2	208	5	211	9	22	5D0			calc.
2	211	9	214	3	23	5B6			broken core.
2	214	3	217	3	24	5B6			As in unit 19
2	217	3	247	0	25	5B0			good, typical calcareous Vonguda phyllite, percentage wise - more carbonates than normal 5B0
2	247	0	247	7	26	0Q0			+ carbonate (qtz. carbonate)
2	247	7	252	9	27	5B0			normal 5B0
2	252	9	255	5	28	5B0			normal 5B0 with 30% 0Q0
2	255	5	261	4	29	5B0			with 20% qtz. carbonate (ankerite) carbonate = light sandy brown.
2	261	4	272	6	30	5B0			ANKERITE
2	272	6	277	0	31	5B0			CALCITIC
2	277	0	278	3	32	5B0			MUSCOVITIC - LIGHTER COLOUR
2	278	3	281	0	33	5D0			laminarily banded, calcareous quartzitic
2	281	0	282	5	34	5D0			NOTE NOT TYPICALLY 5D (Laminarily banded) = cycloclastic?
2	282	5	283	7	35	5B0			As in unit 33
2	283	7	294	0	36	5B0			
2	294	0	300	7	37	5B6			
2	300	7	302	7	38	5B6			Fault gouge mm size fragments py, qtz
2	302	7	303	7	39	5D0			Fault gouge mm size fragments py, 5B, qtz
2	303	7	304	7	40	0Q0			

Lithologic Log

Core	From	To	Unit	Code	Description
1	10 14 16	20 22 23	25 27		
L	31041	31051	41	5D0	normal SD
L	31051	31093	42	5A10	broken core - interval contains abundant gtz clastic (?) fragments + mobilized OQO interval \approx 5A# minor py along S ₂ & S ₁
L	31093	31096	43	5A10	gouge - 1-2 cm angular gtz frag.
L	31096	31123	44	5A10	As in unit 42
L	3123	31224	45	5A10	silica not as clastic in appearance - more aligned along S ₂ planes.
L	31224	31243	46	5A10	Fault gouge - as in unit 43, 322.5 - 324.3 - 0.6 m uc.
L	31243	31269	47	5A#	silica impregnated - possibly related to fault gouge above
L	31269	31378	48	5A0	locally calcareous intervals over 5-15 cm in length. numerous intervals of SA which have concoidal stret structures (somewhat flattened) \approx 1-3 mm in diam sections - sample for thin section.
L	31378	31381	49	5A10	Qtz-carbonate - SA pseudo-breccia
L	31381	31427	50	5A10	PS2: Finer grained int.
L	31427	31438	51	5B2	ankeritic - struct. resembles deformed small pillons. (5I)
L	31438	31615	52	5A10	several small intervals as in units 51 + 49 present. SA lens is variably calcareous, dominantly PS2 & total graphite content less than previous intervals \Rightarrow 363? minor gtz-carbonate bands sulfide very low. \Rightarrow 5T
L	31615	31654	53	5A3	As above but more carbonates
L	31654	31703	54	5A10	As in unit unit 52
L	31703	31723	55	5A3	As unit 53,
NOTE: HOLE REDUCED FROM NA TO BA AT 372.3 m.					
L	31723	31846	56	5A10	Variably calcareous, total sulfide content increasing - folia form py in silica

Lithologic Log

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Code	From	To	Unit	Code	Description
	10 14 16	20 22 23 25 27			
L	3846	3923	57	51A0	As in unit 56, but non-calcareous Foliaform py, minor interbedded SD (Total) of 1 Foot over interval.
L	3923	3958	58	51A3	As above, but calcareous.
L	3958	4012	59	5B6 2/3602	
L	4012	4022	60	5D10	calcareous, 20% interbed SA
L	4022	4078	61	51A0	non-calcareous as in units 57, locally to 5B6/3602
L	4078	4108	62	01Q10	65% 090, 35% 5A0 with minor chloite
L	4108	4129	63	51A0 / 5B0	Fine grained detrital py
L	4129	4304	64	5B6	⇒ 360 minor bleby py mm size x sect.
L	4304	4309	65	31C10 / 400	090 ≈ 40%
L	4309	4405	66	5B6	as in unit 64 minor interbedded SD throughout, too small to breakout, total length over interval ≈ .5m
L	4405	4551	67	51A0	as occurs as ① Fine glass. ② Foliaform desorm. stungers along silica rich S ₂ planes. ③ as isolated cubes Dioctahedrite in silica ④ as Fine glass. in intervals up 1-2 cm in length. in silica matrix
L	4551	4552	68	5D10	
L	4552	4606	69	51A0	as in unit 67
L	4606	4607	70	41C10	As in ④ of unit 67
L	4607	4631	71	51A0	As in unit 67.
					NOTE: THERE DOES NOT APPEAR TO BE ANY FL ASSOCIATED WITH SULFIDES
L	4631	4632	72	5D10	As in unit 68
L	4632	4714	73	51A0	As in unit 67, graphitic phylites are low in silica content overall, cherty appearing are horizons present, SD in contact with SA in slab.

Structural Log

Code	From		To		Feature	SYE	S ₁		S ₂		Description	
							Dip	Direct.	Dip	Direct.		
	10	14	16	20	22	24	26	28	32	34	38	
S				1288	CSZ	E			74			S sym 28.4 - 32.2
S				322	CSZ	E						
S				330	CSZ	Z			71			Z sym 32.2 - 33.0
S				396	CSZ	S			54			S sym 33.0 - 39.6
S				451	ASZ				75			
S				506	PSZ				28			S sym observed at 49.7
S				528	PSZ				70			
S				625	PSZ				45			
S				683	PSZ	P			60			Z sym observed at 66.2
												overall R region -
												minor Breccia + broken
												core zone - minor R
												regions.
S				733	CSZ	S			62			S sym 68.3 - 73.3
S				765	PSZ	P			44			PSZ 73.3 - 76.5, minor
												breccia = SB#
S				820	CSZ				70			
S				878	CSZ	S			75			dominant S sym,
												minor DD observed.
S				918	PSZ	P			70			possible M region
S				960	CSZ	Z			70			Z sym 91.8 - 96.0
S				975	CSZ	D						DD dominant - probable
												S sym. region
S				995	CSZ	S			55			
S				1043	PSZ	P			80			PSZ 99.5 - 104.3
S				1081	CSZ	S			80			SSym dom.
S				1142	CSZ	Z			70			Z sym 108.1 - 114.2
S				1186	PSZ				78			
S				1244	PSZ	P			70			PSZ 114.2 - 124.4
S				1283	CSZ				62			
S				1345	CSZ	S			77			S sym dom 124.4 - 134.5
S				1370	CSZ	Z						small Z region
				1397	CSZ				80			
				1424	CSZ	S			75			S sym 139.7 - 142.4
												S ₂ not dominant structure
												-S ₁ not completely transposed -

Structural Log

Core Code	From				To				Feature	S ₁ Dip Direct.	S ₂ Dip Direct.				Description
	10	14	16	20	22	24	26	28			32	34	36	38	
S				14167	CSR	Z		70				80		S ₁ dipping opposite to S ₂	
S				14789	CSR	Z								broad region of Z as well as E	
S				15228	CSR	M						59		mixed region - S=Z= E =3 = E	
S				15774	CSR							71			
S				16223	CSR							67			
S				16663	CSR	S	310					66		generally S ≈ 30-40 to C.A.	
S				17001	CSR	Z	410					75		Z sym 166.3 - 170.1	
S				17331	CSR	S						68		S sym 170.1 - 173.1	
S				18004	CSR	M						68		S=Z, minor DD	
S				18550	PSZ							72			
S				18885	PSZ	P						78		PSZ, partially R controlled SD from 183.1 - 188.5	
S				19225	PSZ	S						75		S sym 188.5 - 192.5	
S				19881	PSZ	P						80		PSZ 192.5 - 198.1, broken core	
S				19992	CSR	Z								small Z region	
S				21051	CSR							65			
S				21109	CSR	S						50		S sym 199.2 - 210.9	
S				21173	PSZ	R						65		R controlled PSZ	
S				21175	CSR	S						65		S sym dom. 214.3 - 217.5	
S				22336	CSR	Z						83		Z sym 217.5 - 223.6	
S				2268	PSZ	P						80		PSZ region	
S				2295	CSR	S									
S				2310	CSR	Z						80			
S				2350	CSR							70			
S				2383	CSR	S						62		S sym 231.0 - 238.3	
S				2404	CSR	Z						76		Z sym 238.3 - 240.4	
S				2467	CSR							80			
S				2500	CSR	S						80			
S				2515	CSR	Z								Z sym 250.0 - 251.5	
S				2566	PSZ	R						85		QOO dominant in SB	
S				2624	CSR							73			
S				2669	CSR	S						75		S sym dom. Z sym observed.	
S				2687	CSR	D								DD region 266.9 - 268.7	
S				2753	CSR	Z						78		Z region 268.7 - 275.3	

Structural Log

Core No.	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S			1279	1	C/S	Z			70			
S			1283	7	P/S	R						R region 279.1 - 283.7
S			1286	8	C/S	Z			75			
S			1291	9	C/S	Z			75			
S			1296	6	C/S	Z			76			Z sym 283.7 - 296.6
S			1299	2	P/S	Z			85			
S			1305	0	P/S	Z			30			
S			1306	2	P/S	Z			25			
S			1307	0	P/S	Z			30			
S			1309	7	P/S	Z			75			
S			1311	2	P/S	Z			57			
S			1311	3	P/S	Z			40			
S			1311	6	P/S	Z			65			
S			1312	8	P/S	Z			55			generally PSZ main zone & R zone at beginning of interval, core generally badly broken.
S			1325	0	C/S	R	S		72			
S			1330	6	C/S	Z			62			
S			1332	2	C/S	R	S		73			
S			1336	3	P/S	Z			68			
S			1339	5	P/S	Z			78			
S			1343	9	P/S	R	P		75			PSZ 332.2 - 343.9
S			1348	9	C/S	Z			79			Z sym 343.9 - 348.9
S			1353	4	C/S	Z	S		75			
S			1357	8	P/S	R	P		75			PSZ
S			1362	7	C/S	R			70			
S			1366	4	C/S	R			73			
S			1369	1	C/S	Z			67			
S			1371	8	C/S	Z			61			
S			1377	2	C/S	Z	S		70			S sym 357.8 - 377.2
S			1381	0	P/S	R	P		70			
S			1384	6	C/S	Z			67			
S			1389	2	C/S	Z	S		75			S sym 380.4 - 389.2
S			1390	4	C/S	Z	Z		79			Z sym 389.2 - 390.4
S			1395	2	C/S	Z			65			

Structural Log

Code	From		To		Feature	SYE	S ₁		S ₂		Description	
							Dip	Direct.	Dip	Direct.		
	10	14	16	20	22	24	26	28	32	34	38	
S			1399	2	CIS	R	S			75		S sym. 390.4 - 399.2
S			1402	2	PS	Z	P			68		PSZ 399.2 - 402.2
S			1407	2	CIS	R	Z			69		Z sym 402.2 - 407.2
S			1413	3	CIS	R	S			78		S sym 407.2 - 413.3
S			1417	1	PS	R				71		
S			1420	1	PS	Z	P			74		PSZ 413.3 - 420.1
S			1426	1	CIS	R				76		
S			1430	5	CIS	R	Z			76		Z sym 420.1 - 430.5
S			1435	0	PS	R				68		
S			1438	5	PS	Z				67		
S			1440	7	PS	Z	P			60		PSZ 430.5 - 440.7
S			1445	7	PS	R	S			88		S sym 440.7 - 445.7
S			1451	0	PS	R				75		
S			1453	5	PS	R				87		
S			1456	6	PS	Z				80		
S			1462	1	PS	Z				85		
S			1464	5	PS	Z	P			80		PSZ 445.7 - 464.5
												minor S (3) and Z (2)
												sym observed throughout.
S			1466	0	PS	Z	S			78		S sym 464.5 - 466.0
S			1473	3	CIS	R				75		
S			1478	1	CIS	R				88		
S			1486	2	CIS	R	Z			84		Z sym 466.0 - 486.2
S			1490	4	PS	Z	P			75		PSZ 486.2 - 490.4
S			1494	3	CIS	R	Z			60		Z sym 490.4 - 494.3
S			1499	6	PS	Z				70		
S			502	8	PS	Z	P			68		PSZ 494.3 - 502.8
S			510	8	CIS	R				56		
S			512	1	CIS	R	Z			68		Z sym 502.8 - 512.1
S			514	7	CIS	R	S			67		S sym 512.1 - 514.7
S			514	3	CIS	R				65		
S			522	4	CIS	R	Z			60		Z sym 514.7 - 522.4
S			523	2	CIS	R	S					S sym 522.4 - 523.2
S			524	5	CIS	R	Z			80		Z sym 523.2 - 524.5
S			529	1	CIS	R				65		
S			537	3	CIS	R	S			68		S sym 524.5 - 537.3

Structural Log

Code	From		To		Feature	E S	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			5402		CSZ	Z			67		
S			5440		PSZ	P			80		
S			5500		CSZ				71		
S			5571		CSZ				75		
S			5602		CSZ				68		
S			5663		CSZ				69		
S			5695		CSZ				66		
S			5724		CSZ				85		
S			5756		CSZ	Z			80		Z sym dominant 544.0 - 575.6
S			5784		CSZ	S			75		
S			5846		CSZ				71		
S			5870		CSZ	Z			70		Z sym 578.4 - 587.0
S			5891		CSZ	M			83		
S			5937		CSZ				65		
S			5968		CSZ				75		
S			6000		CSZ	S			75		S sym 589.1 - 600.0
S			6035		CSZ	Z			79		Z sym 600.0 - 603.5
S			6062		CSZ	S			84		
S			6107		CSZ				76		
S			6140		CSZ	M			70		M region - overall S sym. appears dominant - this region is prob. S overall.
S			6172		CSZ	Z			67		
S			6196		CSZ	S			78		
S			6242		PSZ				70		
S			6291		PSZ				68		
S			6333		PSZ				80		
S			6397		PSZ				75		
S			6452		PSZ				74		
S			6483		PSZ	M			70		M region of PSZ dominant 619.6 - 648.3 EOT

Lithologic Log

Logged By: _____

Code	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
			1407	07	5182				15E fine grained py present.
			1671	06	5141				SC
			1650	06	111				"
			1700		5180				carbonate bands.
			1965		5180				" "
			2590		5180				ankerite.
			2597		5180				Carbonates
			3060		5A10				Sulfide distribution.
			3102		5A10				typical SA
			3283		5A10				Small circular structures.
			3430						pillow text.
			3437						" "
			3528		5A10				typical SA unit
			11757		5180				STRUCTURE
			11719		5180				" = S ₂ + S ₁
			11370		5180				" "
			11650		5180				" "
			3437		5180				" "
			3891	57	5A10				Finely disseminated py
			3890	57	5A10				" " sulfides in F ₁ ?
			1401	65	5A10				SAO within SD region
			1402	610	5180				
			14310	619	5180				contact with 50/586
			14918	617	5A10				Sulfides
			14516	619	5180				within SA
			14496	67	5A10				
			14610	670	4C0				Basalt?
			14632	72	5180				
			15673						
			15675						
			15340						
			15678						
			15714						
			15800		5180				
			16010		5180				
			16181						36