

DY

DRILL LOGS

1976/1977

015021

76-21

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76X21

Project: DY

Location: Vungorda Plateau

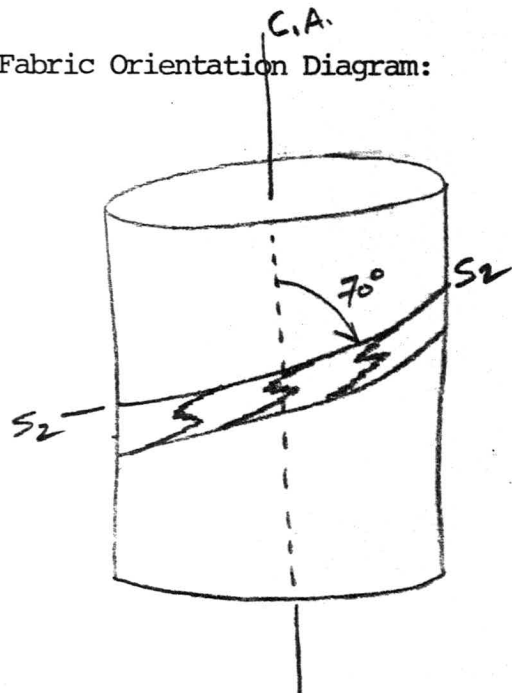
Claim: DY 185

Terr. Plane Co-ords.: 22,649310.5 N

317033.4 E

KA Grid Co-ords.: L 108W, 12+00N

Fabric Orientation Diagram:



All symmetry determinations looking WEST with S2 dipping

SOUTH with dip azimuth 185.

S2 T 15 095 JDF 14/4/77

Elevation: 1193.2 M (3915.0 ft) MSL

Total Depth: 774.9 M (2542.5 ft)

Purpose: Test existence of F₁

Logged by: DSJ/MAS Date(s) Logged: _____

Drilling Contractor: Arctic

Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	<u>No</u>
_____	_____	_____	_____	
_____	_____	_____	_____	

Started: _____ Completed: _____

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	100	134	1	#	Overburden
L	134	1101	12	51B16	Interbedded calcareous, medium gray banded upper phyllite and lt. gray green, weakly calcareous chloritic phyllite. Approx. 50% calc. phyll / 50% chlor. phyll
L	1101	15128	13	51B10	Homogeneous, calcareous, medium gray, carbonaceous muscovite-chlorite phyllite. Unit thin to laminae banded with alternating carbonaceous phyllite and phyllite marble bands. Percolant D ₁ , D ₂ and post D ₂ white bull quartz pods/veins/"sweats"
L	15128	15136	14	51B16	Medium gray, siliceous, non-calcareous, invariably siliceous musc-chlor. phyllite
L	15136	15140	15	4K11	Siliceous pyrite-sphalerite facies upper sulfide horizon <small>more base metals < 2% comb.</small>
L	15140	15141	16	4K11	→ 4A0 fault gouge & breccia @ 60° to c.a. dip direction. unknown
L	15141	15184	17	4K11	→ 5K18, some of siliceous breccia matrix also patchily calcareous. Minor PbS/ZnS where PbS >> ZnS, Pb+Zn < 5% comb more like 2% ore interval
L	15184	15208	18	4A10	Sulfide bearing, carbonaceous graphitic quartzite w/ Fe-undersaturated ZnS. Estimated 3-5% combined. Note massive Fe rich top and banded Zn-rich base to intersection 1685.0-1708.8. Note 1" graphitic gouge of indeterminate attitude @ 1701.0
L	15208	15215	19	51B16	Medium gray green, non-calcareous, siliceous, carbonaceous musc-chlor phyllite of disseminated PbS/ZnS 1708.8 to 1709.8
L	15215	151629	110	51B10	As unit 3

Code	From	To	Unit	Code	Description
L	5,629	5,634	11	4C,0	total sulfides 10% rec. 100%
L	5,634	5,643	12	4E,0	w/5E8 band @ 1849-1849.3; (80% TOTAL SULFIDES) rec 100%
L	5,643	5,653	13	4D,0	total sulfides 10% rec 100%
L	5,653	5,663	14	5B,6	rec 100%
L	5,663	5,666	15	4E,0	total sulfides 80% rec 36%
L	5,666	5,670	16	5B,6	rec 100%
L	5,670	5,688	17	4K,0	→ 5K8 interbanded w/ 4A4 (50% TOTAL SULFIDES) rec. 100%
L	5,688	5,699	18	5B,6	rec 100%
L	5,699	5,713	19	4K,0	→ 5K8 interbanded w/ 4A4 (60% TOTAL SULFIDES) rec 100%
L	5,713	5,817	20	4C,7	minor 5C4; sub equal amounts of po/py in musc-gtzite, thinly banded rec. 100% (30% total sulfides)
L	5,817	5,826	21	4E,0	→ 5K0 (80% total sulfides) rec 100%
L	5,826	5,879	22	4A,4	high grade interval w/ brown iron-deficient sphalerite in 5A0 (40% total sulfides)
L	5,879	5,895	23	4D,0	→ 5A0 (40% total sulfides) rec 100%
L	5,895	5,988	24	5B,6	→ 5B64 w/ po > py total sulfides 1-3%
L	5,988	6,009	25	5B,6	→ 5B62
L	6,009	6,059	26	5B,6	→ 5B64 w/ po > py; as a 1934-1964.6
L	6,059	6,093	27	5B,6	→ 5B62, as 1964.6-1971.5
L	6,093	6,152	28	5B,6	→ 5B64 w/ po > py; total sulfides 1-5%
L	6,152	6,181	29	5B,6	→ 5B62 1-3% total sulfides
L	6,181	6,195	30	4A,0	15-20% total sulfides; est Pb/Zn = 2-3%
L	6,195	6,227	31	4A,H	NOTE: very splashy iron undersaturated sphalerite
L	6,227	6,236	32	5B,6	→ 5B64 po > py; total sulfides 2-4% in blobs & stringers
L	6,236	6,244	33	4A,0	total sulfides: 15%
L	6,244	6,262	34	5B,6	→ 5B64, po > py; total sulfides 3-5%
L	6,262	6,510	35	5B,6	→ lost core @ 2119.5-2129
L	6,510	6,516	36	5A,0	
L	6,516	6,525	37	5A,9	→ 5A0 py ≈ 10%; no base metals
L	6,525	6,528	38	4E,0	75% py w/ minor musc phyll, gtz stringers
L	6,528	6,539	39	5A,D	Probably interval w/ 2' core rec'd
L	6,539	6,545	40	4E,D	→ 5A0 1.5' minor py, 0.5' RB pyritic graph. gtzite
L	6,545	6,554	41	5B,6	→ 5B64 "black-band" musc. phyll. w/ minor pyritic gtzite
L	6,554	6,653	42	5A,I	→ 5A15 - various bands w/ graph. phyll. minor. brecciated; no sulf.
L	6,653	6,678	43	3F,0	Development basin green & white banded silicified small "matrix unit" beneath Gram. tan graph. phyll.
L	6,678	6,714	44	5A,1	As 655.4-665.3: no sulfides; gen non-calc.

Code	From		To		Feature	Sym	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S				1350	CS12	Z	60	0105	80	11815	S ₁ = 60° 0°N ; Z region 11'-35'
S				1415	CS12	Z	70	3120	70	11815	S ₁ = 70° N45°W ; S region 35-41'
S				1530	CS12	Z	60	0215	70	11815	S ₁ = 60° N20°E ; Z region 41-53'
S				1590	CS12	Z	70	0510	80	11815	S ₁ = 70° N45°E, S region 53'-58'
S				1725	CS12	Z	50	0150	80	11815	S ₁ = 50° N45°E, Z region 58-72.5'
S				1925	CS12	Z	60	0510	70	11815	S ₁ = 60° N45°E, S region 72.5-92'
S				1225	CS12	Z	80	025	65	11815	S ₁ = 80° N20°E,
S				11530	CS12	Z	015	025	70	11815	S ₁ = 5° S20°E, Z region 92'-153'
S				11735	CS12	S	40	245	75	11815	S ₁ = 40° S60°W S region 153'-192'
											S ₂ = 70° N15°E foliation generation unknown
S				1945	CS12	Z	70	0130	85	11815	S ₁ = 70° N25°E Z region 192'-198.5
S				2130	CS12	Z	50	0115	65	11815	S ₁ = 50° N10°E S region 198.5-213'
S				2245	CS12	Z	60	0105	70	11815	S ₁ = 60° 0°N Z region 213'-224.5
S				2310	CS12	Z	70	330	70	11815	S ₁ = 70° N35°W S region 224.5-229.5
S				2505	CS12	Z	50	325	85	11815	S ₁ = 50° N40°W Z region 229.5-251
S				2685	CS12	Z	50	345	70	11815	S ₁ = 50° N20°W S region 251-268.5
S				2790	CS12	Z	80	0105	70	11815	S ₁ = 80° 0°N Z region 268.5-279.5
S				2850	CS12	Z	40	0105	70	11815	S ₁ = 40° 0°N S region 279.5-284
S				3030	CS12	Z	30	0105	80	11815	S ₁ = 30° 0°N Z region 284-303
S				3075	CS12	Z	30	0105	70	11815	S ₁ = 30° 0°N S region 303-307
S				3360	CS12	Z	65	340	60	11815	S ₁ = 65° N25°W Z region 307-350'
S				3495	CS12	Z	60	0105	80	11815	S ₁ = 60° 0°N
S				3765	CS12	Z	85	045	75	11815	S ₁ = 85° N40°E S region 350-376
S				3820	CS12	Z	60	0135	80	11815	S ₁ = 60° N30°E Z region 376-382
S				3990	CS12	Z	60	0105	85	11815	S ₁ = 60° 0°N S region 382-398
											Note: Interval 388-458 contains largely horizontal S ₂ . Entire area may be an S region but not certain
											Predominance of S 388-458
S				41375	CS12	S	40	2130	80	11815	S ₁ = 40° S45°W
S				45180	CS12	Z	50	0105	70	11815	S ₁ = 50° 0°N Z region 458'-595'
S				4750	CS12	Z	60	330	60	11815	S ₁ = 60° N35°W
S				5020	CS12	Z	50	0155	65	11815	S ₁ = 50° N50°E
S				52190	CS12	Z	80	045	70	11815	S ₁ = 80° N40°E
S				5530	CS12	Z	80	035	65	11815	S ₁ = 80° N30°E
S				5790	CS12	Z	80	325	70	11815	S ₁ = 80° N40°W

} apparent real variation

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
1	10	14	16	20	22	24	26	28	32	34	38
S				15950	CS12	Z	80	0105	65	185	S ₁ = 80° 0° N
S				16240	CS2	Z	60	0105	45	185	S ₁ = 60° 0° N S region 595-619
S				16420	CS12	Z	40	0105	85	185	S ₁ = 40° 0° N Z region 619-642
S				16675	CS12	Z	50	0105	80	185	S ₁ = 50° 0° N S region 642-667.5
S				17035	CS12	Z	70	0105	75	185	S ₁ = 70° 0° N Z region 667.5-736
S				17355	CS12	Z	20	0105	70	185	S ₁ = 20° 0° N S region 736-742.5
S				17430	CS12	Z	40	185	80	185	S ₁ = 60° 0° S Z region 742.5-780
S				17795	CS12	Z	50	025	85	185	S ₁ = 50° N20° E S region 780-806.5
S				17850	CS12	Z	80	005	70	185	S ₁ = 80° 0° N Local Z in S region
S				18070	CS12	Z	80	0105	70	185	S ₁ = 80° 0° N Z region 806.5-814
S				18110	CS12	Z	60	025	70	185	S ₁ = 60° N20° E S region 814-828
S				18350	CS12	Z	80	0105	70	185	S ₁ = 80° 0° N Z region 828-852
S				18500	CS12	Z	70	0105	60	185	S ₁ = 70° 0° N S region 852-878
S				18780	CS12	Z	80	335	70	185	S ₁ = 80° N30° W Z region 878-893
											S ₂ horizontal 893-920 is no F ₂ sym
S				18930	CS12	Z	40	345	80	185	S ₁ = 40° N20° W 893-920 horiz S ₂
S				19200	CS12	Z	70	0105	70	185	S ₁ = 70° 0° N Z region 920-932
S				19320	CS12	Z	70	0105	65	185	S ₁ = 70° 0° N S region 932-955
S				19550	CS12	Z	85	0105	60	185	S ₁ = 85° 0° N Z region 955-964
S				19640	CS12	Z	50	015	70	185	S ₁ = 50° N10° E S region 964-1044
S				19910	CS12	S	65	185	70	185	S ₁ = 65° 0° S Fill in
S				10250	CS12	S	70	185	80	185	S ₁ = 70° 0° S Fill in
S				10440	CS12	Z	60	345	65	185	S ₁ = 60° N30° W Z region 1044-1087
S				10630	CS12	Z	70	0185	60	185	S ₁ = 70° N80° E
S				10860	CS12	Z	70	325	70	185	S ₁ = 70° N40° W S region 1087-1145
S				11255	CS12	S	50	115	70	185	S ₁ = 50° S70° E Fill in
S				11430	CS12	Z	30	005	75	185	S ₁ = 30° 0° N Z region 1145-1157.5
S				11570	CS12	Z	50	0105	70	185	S ₁ = 50° 0° N S region 1157.5-1164.5
S				11650	CS12	Z	60	0105	75	185	S ₁ = 60° 0° N Z region 1164.5-1171
S				11700	CS12	Z	85	0105	80	185	S ₁ = 85° 0° N S region 1171-1182.5
S				11825	CS12	Z	40	0105	75	185	S ₁ = 40° 0° N Z region 1182.5-1200.5
S				12005	CS12	Z	70	0105	65	185	S ₁ = 70° 0° N S region 1200.5-1224
S				12250	CS12	Z	70	0105	70	185	S ₁ = 70° 0° N Z region 1224-1239
S				12380	CS12	Z	60	0105	80	185	S ₁ = 60° 0° N S region 1239-1240
S				12440	CS12	Z	50	0105	70	185	S ₁ = 50° 0° N Z region 1243-1291.5
S				12680	CS12	Z	50	0105	70	185	S ₁ = 50° 0° N

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			1291	15	GS12	Z	510	0105	710	185	S ₁ = 50° 0' N S region 1291.5 - 1303
S			1310	40	GS12	Z	710	0105	710	185	S ₁ = 70° 0' N Z region 1303 - 1305.5
S			1311	80	GS12	Z	510	0105	710	185	S ₁ = 50° 0' N S region 1305.5 - 1317
S			1313	10	CS12	Z	80	335	710	185	S ₁ = 80° N 30° W Z region 1317 - 1332
S			1315	60	CS12	Z	510	3105	80	185	S ₁ = 50° N 60° W S region 1332 - 1354
S			1317	50	CS12	Z	510	0105	810	185	S ₁ = 50° 0' N Z region 1354 - 1375
S			1318	50	CS12	Z	510	0105	80	185	S ₁ = 50°, 0' N S region 1375 - 1384
S			1319	10	CS12	Z	710	0105	710	185	S ₁ = 70°, 0' N Z region 1384 - 1393
S			1411	70	CS12	S	510	185	715	185	S ₁ = 50°, 0' S S region 1393 - 1444.5
S			1444	4.5	CS12	Z	610	0105	70	185	S ₁ = 60, 0° N Z region 1444.5 - 1456
S			1451	60	CS12	Z	610	0145	710	185	S ₁ = 60, N 40° E S region 1456 - 1490
S			1446	80	GS12	S	310	185	715	185	S ₁ = 30° 0' S Fill in
S			1491	00	CS12	Z	510	0105	70	185	S ₁ = 50°, 0' N Z region 1490 - 1500
S			1501	60	GS12	Z	510	0105	60	185	S ₁ = 50, 0° N S region 1500 - 1506
S			1512	40	GS12	Z	410	0105	80	185	S ₁ = 40°, 0° N Z region 1506 - 1524
S			1512	95	GS12	Z	815	0105	70	185	S ₁ = 85°, 0° N S region 1524 - 1529
S			1514	80	GS12	Z	510	0125	715	185	S ₁ = 50, N 30° E Z region 1529 - 1568
S			1516	70	GS12	Z	410	0165	710	185	S ₁ = 40°, N 60° E S region 1568 - 1594
S			1519	50	CS12	Z	810	005	710	185	S ₁ = 80°, 0° N Z region 1594 - 1625
S			1612	30	GS12	Z	710	005	710	185	S ₁ = 70, 0° N S region 1625 - 1676
S			1615	10	GS12	S	510	185	710	185	S ₁ = 50, 0° S Fill in
S			1617	75	CS12	Z	610	0105	610	185	S ₁ = 60, 0° N Z region 1676 - 1723.5
S			1710	20	CS12	Z	615	185	510	185	S ₁ = 65, 0° S
S			1710	130	GS12	Z	710	185	510	185	S ₁ = 70, 0° S
S			1710	115	CS12	S	515	245	810	185	S ₁ = 55, S 60° W
S			1710	155	CS12	Z	810	0105	65	185	S ₁ = 80, 0° N
S			1710	165	CS12	Z	710	0105	810	185	S ₁ = 70, 0° N
S			1710	175	CS12	Z	710	3125	710	185	S ₁ = 70, N 40° W
S			1710	188	CS12	Z	510	185	710	185	S ₁ = 50, 0° S
S			1712	35	GS12	Z	810	045	715	185	S ₁ = 80, N 40° E S region 1723.5 - 1780
S			1715	20	CS12	S	310	1125	610	185	S ₁ = 30, S 60° E Fill in
S			1718	20	CS12	Z	515	005	70	185	S ₁ = 55, 0° N M region 1780 - 1820
S			1810	100	S12				90	185	S ₂ fluctuates about horizontal 1780 - 1820
											where S ₁ ⊥ over same interval →
S			1812	0	S12				90	185	F ₂ M region ?? From 1820 - 1841 F ₂
S			1814	1	S12				90	185	axes are down S ₂ dip

Sulfide horizon
Detail

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			1,852	0	PS2				7,0	1,85	
S			1,853	0	CS2	Z	6,0	0105	7,0	1,85	F ₂ ≡ Z ; S ₁ Σ = 0°N wrt S ₂
S			1,856	8	CS2	Z	6,0	0105	8,0	1,85	S ₁ Σ = 0°N wrt S ₂
S			1,860	0	CS2	Z	7,5	0105	7,0	1,85	S ₁ Σ = 0°N wrt S ₂
S			1,865	0	CS2	Z	9,0		7,0	1,85	
S			1,871	0	RS1		8,0		8,0	1,85	
S			1,881	0	RS1		7,0		7,0	1,85	
S			1,889	0	CS2	Z	8,5	0015	8,0	1,85	S ₁ Σ = 0°N wrt S ₂ ; unquestionable example of S ₂ =
											NOTE: this strange as this is F ₁ limb condition
S			1,896	5	CS2	Z	6,0		9,0	1,85	
S			1,897	8	CS2	Σ			7,0	1,85	
S			1,899	3	CS2	S	6,0	2215	8,5	1,85	S ₁ Σ = 40°SW wrt S ₂
S			1,901	0	CS2	Z	8,0	050	8,0	1,85	S ₁ Σ = 45°NE wrt S ₂
S			1,906	5	CS2	Z	7,0	275	7,0	1,85	F ₂ down S ₂ dip ; S ₁ Σ = due W of S ₂ dip line az.
S			1,908	4			5,0			1,85	S ₁ = S ₀
S			1,914	0	CS2	Z	7,0	005	7,0	1,85	S ₁ Σ = 0°N wrt S ₂
S			1,917	0	CS2	Z	4,0	0105	6,0	1,85	S ₁ Σ = 0°N wrt S ₂
S			1,922	0	CS2	Z	4,0	325	7,0	1,85	S ₁ Σ = 40°NW wrt S ₂
S			1,942	0	CS2	Z	8,0	1,85	7,0	1,85	S ₁ = 80°, 0°S Z region 1853-1964.5
S			1,963	5	CS2	Z	3,0	005	7,0	1,85	S ₁ = 30°, 0°N S region 1964.5-1971.5
S			1,972	0	CS2	Z	4,0	050	6,0	1,85	S ₁ = 40° N45°E Z region 1971.5-2000.3
S			2004	0	CS2	Z	5,0	035	6,5	1,85	S ₁ = 50° N30°E S region 2000.3-2043
S			2012	10	CS2	S	4,0	1,85	7,0	1,85	S ₁ = 40° 0°S
S			2013	180	CS2	S	4,5	2310	6,0	1,85	S ₁ = 45° S45°W Symmetry (F ₂) in determination from 2043-2100 as F ₂ axes
											S ₂ dip
S			2014	150	CS2		7,0	2155	6,0	1,85	S ₁ = 70° due W of S ₂ dip Note occasional
S			2017	180	CS2		3,0	2115	6,0	1,85	S ₁ = 30° " " " " " Z in down dip
S			2019	130	CS2	Z	4,0	205	7,0	1,85	S ₁ = 40° S20°W
											Note: F ₂ symmetry analysis of core discontinued at this point because:
											1) Prevalence of F ₂ axes down S ₁ dip
											2) Rubby core ; brecciated graph. phyll.
											3) Dominance of intrusives in calc silicate unit & PS2 in CS
S			2015	0	CS2				8,0	1,85	

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			2115	20	S12				60	185	
S			2117	0	S12				60	185	
S			2210	0	S12				60	185	
S			2210	30	S12				60	185	Contact on pre-D ₂ (?) bio.-diorite
S			2221	70	S12				50	185	Fol ⁿ in diorite appears to be S ₂
S			2225	30	S12				60	185	
S			2227	80	S12				40	185	
S			2310	10	S12				60	185	
S			2312	60	S12				50	185	
S			2314	0	S12				50	185	
S			2314	10	S12				50	185	S ₂ in calc-silicate
S			2315	170	S12				60	185	" " " "
S			2316	10	S12				60	185	" " diorite
S			2318	85	S12				55	185	Contact of diorite & calc-silicate = 75° to c.a. while S ₂ in calc-silicate and diorite = 55° to c.a. proving pre-D ₂ age for intrusive
S			2410	14	S12				60	185	Contact of diorite & calc-silicate
S			2412	170	S12				60	185	" " " " "
S			2413	140	S12				70	185	" " " " " Excell
S			2414	195	S12				50	185	" " " " " "
S			2416	130	S12				45	185	S ₂ in silicified marble
S			2418	120	S12				70	185	" " " "
S			2510	160	S12				60	185	" " " "

Code	From	To	Sample No.	Description
	10 14 16 20	22 27		
P	1100	1260	05401	Unit 1
P	1260	1330	05402	Unit 1
P	1330	1530	05403	" 2
P	1530	1730	05404	" 2
P	1730	1930	05405	" "
P	1930	1130	05406	" 2
P	1130	1330	05407	" 2
P	1330	1530	05408	" 2
P	1530	1730	05409	" 2
P	1730	1930	05410	" 2
P	1930	2130	05411	" 2
P	2130	2330	05412	" 2
P	2330	2530	05413	" 2
P	2530	2730	05414	" 2
P	2730	2930	05415	" 2
P	2930	3130	05416	" 2
P	3130	3330	05417	" 2
P	3330	3530	05418	" 2
P	3530	3730	05419	" 2
P	3730	3930	05420	" 2
P	3930	4130	05421	" 2
P	4130	4330	05422	" 2
P	4330	4530	05423	" 2
P	4530	4730	05424	" 2
P	4730	4930	05425	" 2
P	4930	5130	05426	" 2
P	5130	5330	05427	" 2
P	5330	5530	05428	" 2
P	5530	5730	05429	" 2
P	5730	5930	05430	" 2
P	5930	6130	05431	" 2
P	6130	6330	05432	" 2
P	6330	6530	05433	" 2
P	6530	6730	05434	" 2
P	6730	6930	05435	" 2
P	6930	7130	05436	" 2

Code	From	To	Sample No.	Description
P	7130	7330	105437	Unit 2
P	7330	7530	105438	" 2
P	7530	7730	105439	" 2
P	7730	7930	105440	" 2
P	7930	8130	105441	" 2
P	8130	8330	105442	" 2
P	8330	8530	105443	" 2
P	8530	8730	105444	" 2
P	8730	8930	105445	" 2
P	8930	9130	105446	" 2
P	9130	9330	105447	" 2
P	9330	9530	105448	" 2
P	9530	9730	105449	" 2
P	9730	9930	105450	" 2
P	9930	100130	105451	" 2
P	100130	100330	105452	" 2
P	100330	100530	105453	" 2
P	100530	100730	105454	" 2
P	100730	100930	105455	" 2
P	100930	101130	105456	" 2
P	101130	101330	105457	" 2
P	101330	101530	105458	" 2
P	101530	101730	105459	" 2
P	101730	101930	105460	" 2
P	101930	102130	105461	" 2
P	102130	102330	105462	" 2
P	102330	102530	105463	" 2
P	102530	102730	105464	" 2
P	102730	102930	105465	" 2
P	102930	103130	105466	" 2
P	103130	103330	105467	" 2
P	103330	103530	105468	" 2
P	103530	103730	105469	" 2
P	103730	103930	105470	" 2
P	103930	104130	105471	" 2
P	104130	104330	105472	" 2

77-X-01

CYPRUS ANVIL MINING CORPORATION

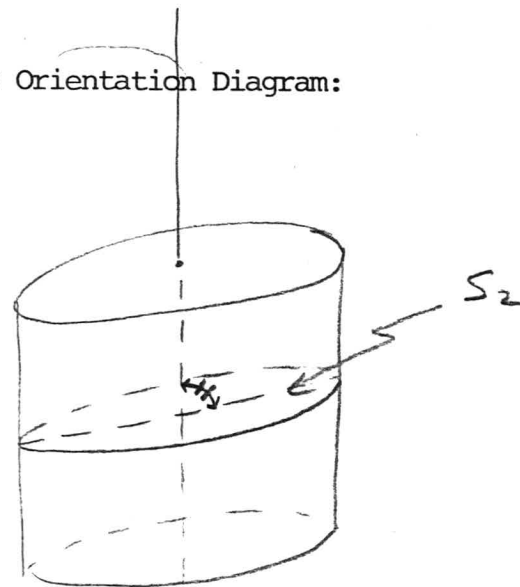
DIAMOND DRILL CORE LOG

Hole Number: 77X-01

Fabric Orientation Diagram:

Project: DY

Location: Ortho-photo sheet F-6



Claim: DY 185

Terr. Plane Co-ords.: 22,649,558.2 N

317276.4 E

Grid Co-ords.: KA L108E/16N

All symmetry determinations looking

W with S₂ dipping

Elevation: 1186.4m (3892.6ft) MSL S with dip azimuth 185°

Total Depth: 750.0m

Purpose: 400' STEP OUT FROM DDH 76X-21, TO TEST SULPHIDE HORIZON CONTINUITY.

Logged by: DJH & JPF

Date(s) Logged: MAY 21 -> MAY 24/77.

Drilling Contractor: ARCTIC.

Core:	Size	From	To	Collar Cased and Capped:
<u>NP</u>	<u>0</u>	<u>666.0</u>		<u>No</u>
<u>BQ.</u>	<u>666.0</u>	<u>EDH</u>		

Started: April 4/77 Completed: May 16/77

DDH 77-X-01
2 8

Diamond Drill Core Log

Code	Drillhole		Elevation		Northing		Easting		Comments		
	1	2	8	10	16	17	24	25		32	34
T	77-X-01		1186.4		22649.588		317276				

Code	Drillhole	Depth		Zenith Angle	True Azimuth	Comments				
		1	2	8	10		14	22	26	28
R	77-X-01	00	00	0	180.0	000.0	AT COLLAR			
R	77-X-01	00	19	8	178.0	033.0	QUINDEK CASING			
R	77-X-01	01	19	32	175.5	153.0				
R	77-X-01	03	48	7	170.8	179.0				
R	77-X-01	05	01	1	176.8	213.0				
R	77-X-01	06	53	5	170.5	278.0				
R	77-X-01	07	43	0	171.3	318.0				
R					.	.				
R					.	.				
R					.	.				
R					.	.				
R					.	.				
R					.	.				
R					.	.				
R					.	.				
R					.	.				

Code	Drillhole	Comments, Errant Remarks, Snivellings and /or Lewd Suggestions
C	77-X-01	DEAR SILVYN
C		WE THINK YOUR IDEA OF DRILLING
C		50 FEET MORE STINKS.
C		JEFF DIARYL COILIN
C		CICIMONTI; WHILE SITTING 1/23 CORE
C		(BOVIES)

Code	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
L	10100		137	011	#1				TRI CONE
L	137		178	012	01910				BULL QB
L	178		137	013	51C13				HEAVILY ALT'D - SLIGHT CALC - RUBBY CORE.
L	137		223	014	51C10				MASSIVE TO VARIABLY FOLIATED METABASITE & D. GREY TUFF.
L	223		274	015	51D16				TUFFACEOUS - YW GREY → GRN GREY → BROWN GREY. - MINOR INTERBANDS SB. TUFF GENERALLY NON CALC.
L	274		466	016	51B0				CALC. METABASITE & TUFF BANDS (AS UNIT 04)
L	466		1651	017	51D16				TUFF - NON CALC. 1ST HALF INTERVAL IS D. GREEN; LATTER HALF LIGHT BROWN
L	1651		753	018	5B10				CALC. INFREQUENT TUFF & METABASITE BANDS - CONTINUOUS (AS UNIT 04)
L	753		9105	019	51D13				GRAD. UPPER & LOWER LB. INTERBANDS YW TO LIGHT GREEN TUFF & METABASITE. CENTRAL PART IS LIGHT GREEN CARBONATE LAMINATED META TUFF.
L	9105		3469	110	51D13				SB 76? DARK GREY, NON → SLIGHT CALC., MASSIVE TO WELL FOLIATED. M INFREQ, TUFF LAMINATIONS THROUGHOUT. CORE CROPPED 302.67-311.20 AS PER UNIT 04,
L	3469		3630	111	5B10				CALCAREOUS. SOME INTERBANDS DARK METABASITE (UNIT 04) NEAR TOP. INFREQ, TUFF LAMINATIONS THROUGHOUT.

Code	From	To	Unit	Code	Description
1	10	14 16	20	22 23 25 27	
L	1316130	1316192	112	51D13	GREY TO YW TUFF. VARIABLY CALC. SOME INTERBANDED SB.
L	1316192	1317131	113	51B10	CALC. GRAD. UPPER CT.
L	1317131	1317170	114	51D16	NON CALC AS PER UNIT 04. LOCALLY TO SB INTERBANDED.
L	1317170	1410139	115	51B10	CALC. - VARIABLE FINE TUFF LAMINATIONS
L	1410139	1510102	116	51B10	NORMAL SB. MINOR <u>DISTINCTIVE</u> META TUFFACEOUS <u>BANDING</u> .
L	1510102	1512168	117	51D13	TYPICAL CARBONATE LAMINATED YELLOW GREEN TUFF. MINOR BANDING FOLIATED METABASITE (AS UNIT 4).
L	1512168	151490	118	51B10	NORMAL. INCREASING TUFF LAMINATION TOWARD END OF INTERVAL.
L	151490	1515132	119	51D13	TYPICAL CARBONATE LAMINATED YELLOW GREEN TUFF. UPPER & LOWER CTS. LOCALLY GRADATIONAL.
L	1515132	1518114	210	51B10	NORMAL SB. GREY GREEN TUFF LAMINATIONS THROUGHOUT.

Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description
1	10 14 16 20	22 23 25 27			
2	L05811	405816	211	41C10	< 2% Pb+Zn; ~ 15% total sdes
6	L05816	05822	212	41E10	f.g. mass pyrite; < 10% qtz; thin BaSO ₄ laminations; 5% Pb+Zn?
2	L05822	05824	213	41J18	~ 20% Fe ₂ O ₃ ^{Fe3O4} (mag.)
7	L05824	05831	214	41E10	as 581.6-582.2
3	L05831	05834	215	41G10	~ 15% BaSO ₄ ; ~ 85% f.g. sdes (mainly py)
7	L05834	05841	216	41E11	interbanded 4E & ^{minor} 4C; faint sph rich lams; ~ 80% f.g. mass sdes; < 2% Pb+Zn
3	L05841	05847	217	41A10	~ 15% thinly banded dissemin. sdes; 3-5% Pb+Zn.
	L05847	05903	218	51B16	non-calc. carb. → sl graphitic, siliceous, med grey phyllite; SA?
2.4	L05903	05927	219	41C10	med grey micaceous quartzite; < 10% banded mass and dissem. sdes (mainly po);
8	L05927	05935	310	41A10	
6.5	L05935	06010	311	41D10	interbanded 4E & 4D; ^{60% m.s.} minor 4E & ~ 5% Pb+Zn
8.5	L06010	06095	312	41D15	interbanded 4E and 4D; ~ 5% Pb+Zn; 60% m.s.
4	L06095	061099	313	41K10	mass py-ankerite (bxia); < 1% Pb+Zn.
1.5	L061099	061114	314	41D10	as 593.5-601.0; 70% massive sdes
9	L061114	06123	315	41K10	as 609.5-609.9 (bxia)
6	L06123	06129	316	41G10	~ 30 BaSO ₄ ; ~ 70% sdes (mainly py)
5	L06129	06134	317	41K10	as 609.5-609.9 and 611.4-612.3 (bxia)
6.6	L06134	06200	318	41D15	interbanded 4E & 4D; ~ 5% Pb+Zn
9	L06200	06209	319	41G10	40-50% BaSO ₄ ; ~ 50% sdes; < 1% Pb+Zn
	L06209	06226	410	51B16	non-calc carb.?, med grey phyllite; minor sdes
1.4	L06226	06240	411	41B10	minor sdes (py, po, sph) along fractures
2	L06240	06242	412	41H10	? extremely magnetic (fine grained po?)
3	L06242	06245	413	41E10	~ 20% 4CO - 80% mass sdes (mainly py)
7	L06245	06252	414	41G10	20% BaSO ₄ - 80% sdes (pyrite, gal, sph)
					~ 10% Pb+Zn; lower contact // S ₂ @ 185/70
6.25.2 SS1 438	L06252	06272	415	51B16	light grey-green, "bleached" chlor-musc phyllite; + OQO with assoc massive sdes (py, po, sph, gal)
	L06272	06297	416	51B16	as 584.7-590.3; gradational lower contact; becoming more carbonaceous with depth
	L06297	06771	417	51B16	med to dark grey; med carb. to sl graphitic phyllite, NON CALCAREOUS.

Code	From	To	Unit	Code	Description
I	10 14 16	20	22 23	25 27	
					BROKEN & LOST CORE FROM 2103.5 → 2208. MUD SCUM AT 2168' → 2175' - NO CORE LOCAL BULL QZ. REDUCED TO BQ AT 2185'
L	06777	06787	418	0C10	ADHANTIC DIORITE SILL.
L	06787	06826	410	51A1*	GRAPHITIC PHYLLITE & FEW GREEN YW TUFFACEOUS FRAG. DEAD RINGER FOR BE IN 77X-2 AT 2133.8 → 2147.7 LOWER CT. GRADATIONAL INTO GR YW TUFF.
L	06826	07000	510	51D2	DOMINANTLY L. GREEN TUFF. 2239.6 - 2265.5 BANDED TUFF WITH LOWER 1/2 INTERVAL INCREASING CARBON CONTENT - INTERBANDED 3G. 2265.5 - 2296.5 FRAGMENTAL TUFF. TUFF & 3G FRAGMENTS.
L	07000	07101	511	0C10	VARIABLY BIOTITE SPARKLED FG → M.G. INTRUSIVE. CALC SILICATE BANDS IN LOWER PORTION INTERVAL. UPPER CT GRADATIONAL.
L	07101	07270	512	31D11	CALC SILICATE. LAST 4' INTERVAL QZ-FELD ^{MUSC} PEGMATITE DIKE. 2340.5 - 2345.1 ALSO PEG. DIKE. 2369.2 - 2372 PEG DIKE.
L	07270	07288	513	31D2	INTERBANDED CALC SILICATE & SILICATED MABL. IN DDH 77X-02 SAME LITHOLOGY AT 2255' → 2258'; 2266-2277 2391.8 - 2397.5

Structural Log

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description		
	10	14	16	20					22	24
S			09082	2	CS12		39 185	↑ 0-27.25 BROKEN TO RUDDY CORE - NO SYMMETRY ↓		
S			010173	3	CS12		81 185			
S			010238	8	CS12		74 185			
S			010302	2	CS12		81 185	Z REGION 27.25 - 32.53		
S			001360	0	CS12		81 185	↑ S REGION 32.53 - 40.45		
S			00405	5	CS12		74 185	↓		
S			010484	4	CS12		73 185	↑ NO SYMMETRY 40.45 - 65.4 LOCAL Z AT 51.35		
S			010593	3	CS12		85 185			
S			010641	1	CS12		80 185	↓ 55.78 → 58.83 = 0.1M RECOVERED		
S			010678	8	CS12		73 185	S REGION 65.40 - 67.90		
S			16179		Σ					
S			010711	1	CS12		81 185	Z REGION 67.90 - 71.10		
S			010778	8	CS12		80 185	S REGION 71.10 - 93.75		
S			00834	4	CS12		79 185			
S			010929	9	CS12		85 185			
S			1938		Σ					
S			010997	7	CS12		87 185	Z [?] REGION. 93.75 - 102.40 V. WEAK SKUZZY SYMMETRY.		
S			11024		Σ					
S			011018	5	CS12		69 185	S REGION 102.40 - 124.47		
S			011164	4	CS12		76 185			
S			011240	0	CS12		69 185			
S			11245		Σ					
S			0113100	0	CS12		82 185	? REGION 124.47 - 140.84		
S			011373	3	CS12		65 185	POOR & SCATTERED SYMMETRY S-2M. NOT SYSTEMATIC.		
S								136.09 - 137.01 = 0.2 RECOVERED		
S			011445	5	CS12		70 185	REGION 140.84 - 147.68 CRUSHED CORE		

Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
	1	2	3	4	5	6	7	8	9	10	
S			01510		C512			83	185		Z REGION 197.68 - 173.58
S			01548		C512			73	185		WEAK SCATTERED SYMMETRY.
S			01610		C512			82	185		
S			01674		C512			58	185		
S			01732		C512			73	185		
S			1736			Z					
S			01791		C512			64	185		S REGION 173.58 - 251.36
S			01860		C512			74	185		
S			01920		C512			84	185		
S			01984		C512			70	185		
S			02040		C512			85	185		
S			02084		C512			71	185		
S			02135		C512			74	185		
S			02197		C512			75	185		
S			02270		C512			76	185		
S			02323		C512			80	185		
S			02378		C512			83	185		
S			02439		C512			75	185		
S			02501		C512			84	185		
S			2514			Z					
S			02570		C512			75	185		Z Region 251.36 - 269.32
S			02663		C512			85	185		Generally weak, scattered and scuzzy Z's.
											From 262.34 to 264.87 -
											badly broken up core.
S			2693			Z					
S			02726		C512			77	185		S Region 269.32 - 285.00
S			02790		C512			80	185		From 275 - 277.50 a lot of
S			02847		C512			85	185		horizontal S ₂
S			2850			Z					
S			02909		C512			70	185		Z Region 285.00 to 295.33
S			2953			Z					
S			02966		C512			60	185		S Region 295.33 - 300.50
S			3005			Z					
S			03035		C512			80	185		Z Region 300.50 - 302.00?
S			03097		C512			71	185		From 302.00 to 302.29 broken

Code	From				To				Feature	S ₁ Dip Direct.	S ₂ Dip Direct.			Description
	10	14	16	20	22	24	26	28			32	34	38	
														core, no symmetry readings Z?
S				311.12										
S				013115	5	C1S12				83	18.5			S region 311.20? to 363.11
S				013211	4	C1S12				86	18.5			The same old shit again -
S				013270		C1S12				710	18.5			generally poor lithon struc-
S				013334		C1S12				82	18.5			ture = scuzzy symmetry
S				013392		C1S12				87	18.5			Occasional Z's. Occasional M's.
S				013459		C1S12				68	18.5			
S				013521		C1S12				75	18.5			
S				013583		C1S12				90	18.5			
S				013628		C1S12				78	18.5			
S				363.1										
S				013681		C1S12				76	18.5			Z Region 363.11 to 368.30
S				368.3										
S				013743		C1S12				76	18.5			S Region 368.30 to 428.25
S				013796		C1S12				73	18.5			
S				013859		C1S12				67	18.5			
S				013926		C1S12				57	18.5			
S				014010	4	C1S12				76	18.5			
S				014054		C1S12				90	18.5			
S				014119		C1S12				77	18.5			
S				014166		C1S12				66	18.5			
S				014217		C1S12				73	18.5			
S				014278		C1S12S				69	18.5			
S				014340		C1S12				75	18.5			S-Z Region 428.25 - 439.22
S				014386		C1S12				78	18.5			Randomly S, Z, M Horizontal (a DARN mess)!! From 436.60 to 439.22 core badly broken
S				014455		C1S12S				80	18.5			S Region 439.22 to 538.55
S				014507		C1S12				65	18.5			Isolated Z's
S				014560		C1S12				76	18.5			
S				014624		C1S12				85	18.5			

77-X-02

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77-X-02

Fabric Orientation Diagram:

Project: Dy

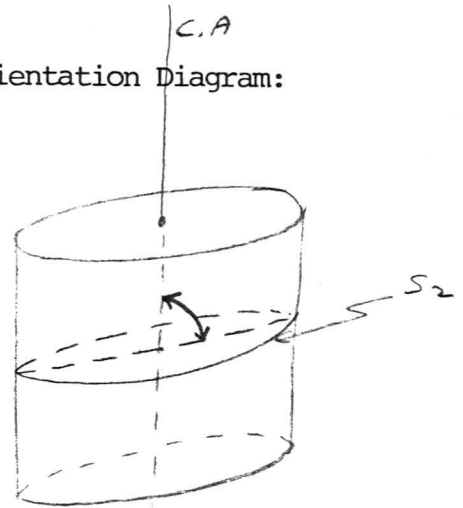
Location: Ortho-photo sheet F-6

Claim: Gale 13

Terr. Plane Co-ords.: 22,650140.0 N

317795.3 E

Grid Co-ords.: KA L 108E/24 N



All symmetry determinations looking

NS with S₂ dipping

Elevation: 1184.0 m (3884.6 ft.) MSL S with dip azimuth 185.

Total Depth: 736.9 m.

Purpose: STEP OUT FROM DY 76X-21 & 77X-1, TO TEST SULPHIDE HORIZON CONTINUITY

Logged by: DJH & JPF Date(s) Logged: MAY 17 → MAY 20/77

Drilling Contractor: ARCTIC Core: Size From To Collar Cased and Capped: yes

NQ 0.0 736.9

Started: April 21/77 Completed: MAY 21/77

Code	From				To				Unit	Code	Description
	10	14	16	20	22	23	25	27			
L	000		173		1	#					O/B TRICONE - NO CORE RECOVERY
L	73		218		2	5B10					NORMAL CHL-MIXED CALC PHYLLITE
L	218		252		3	5D13					GRAY GREEN TUFF - NARROW CO ₂ LAMINATIONS ± PY
L	252		411		4	5B10					NORMAL CALC. PHYLLITE .61 CM. GRAD. CT BETWEEN 5B & 5C. INFREQUENT ^{NARROW} TUFF BANDS.
L	411		442		5	5D13					CALL GRAY GREEN TUFF - NARROW CO ₂ LAMINATIONS ± PY
L	442		476		6	5C13					GRAY GREEN WEAK CALC, MAGNETIC META BASITE, FOLIATED BUT NO BANDING.
L	476		582		7	5D13					GRAY GREEN TUFF - NARROW CO ₂ LAMINATIONS ± PY
L	582		725		8	5C13					DARK GRAY GREEN META BASITE - MAGNET. SHOWS 'GNEISS' TEXTURE - ANHEDRAL FELDSPAR GRAINS IN GREEN CHL GROUNDMASS. WEAK FOLIATION TO MASSIVE. 59.04 m - 60.14 m BULL QTZ & META BASITE FRAG.
L	725		798		9	5C10					AS IN UNIT 8 BUT WITH EXTENSIVE GREY BROWN F.P. CLOTS. BOTH CTS. GRADATIONAL MASSIVE
L	798		834		10	5C13					AS IN UNIT 8.
L	834		941		11	5C10					WHITE SPECKLED MELANOCRATIC METABASITE. MASSIVE. ANHEDRAL F.P. FELDSPAR CLOTS. BOTH CTS GRADATIONAL. TREMULITE AT 93.27 m to 93.57 m.
L	941		1166		12	5C10					BLACK SPECKLED METABASITE IN LIGHT GROUNDMASS. MAFIC CLOTS TO 5 MM. - SOME SHOWING WHITE REACTION RIMS. STRONG MAGNETIC.
L	1166		1211		13	5D13					AS IN UNIT 7. MINOR PO. GRAD CT. WITH UNIT 12.
L	1211		1485		14	5B12					145.08 m - 148.44 m INCREASINGLY CARBONACEOUS. - MINOR PY.
L	1485		1529		15	5D13					LIGHT GRAY YELLOW TUFF - NARROW CALC. LAMINATIONS.
L	1529		1586		16	5B12					DARK GRAY TO BLACK CALC. PHYLLITE - PY. CARBONACEOUS TO GRAPHITIC.
L	1586		1594		17	5D13					AS IN UNIT 15.

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	11594	11639	118	51B12	SOME PY CUBES & LAMINATIONS ; carb.
L	11639	11659	119	51D13	AS IN UNIT 15.
L	11659	123114	210	51B12	carb; MINOR PY CUBES. - inter banded ^{normal} 5B towards end of interval - calcareous
L	123114	13942	211	51B10	normal calc musc-chl phyllite - minor tuffaceous? bands towards end of interval
L	13942	13962	212	51D13	light grey-green metatuff? - ^{thin} CO ₃ laminations - minor py
L	13962	14065	213	51B12	- becoming more carb. towards end of interval; minor py towards end; minor meta-tuffaceous bands
L	14065	141122	214	51D13	as unit 22
L	141122	14301	215	51B18	→ 5D frequent bands of 5D as above unit 24 and 22
L	14301	15267	216	51B10	normal calc. phyllite; minor bands metatuff?
L	15267	15277	217	51D13	as unit 24 + 22
L	15277	15295	218	51B10	normal calc. phyllite
L	15295	15424	219	51D13	as units 27, 24, 22
L	15424	15488	310	51B18	frequent ^{thin} meta-tuffaceous bands
L	15488	15677	311	51D13	frequent thin 5B0 banding; as units 22, 24, 27, 29
L	15677	15791	312	51B12	sl. carb; frequent laminations meta-tuffaceous material
L	15791	15821	313	51B12	carb.; no tuffaceous bands; minor py.
L	15821	15831	314	51D13	light grey-green meta-tuffaceous?
L	15831	15899	315	51B12	carb → slightly graphitic; thin meta-tuffaceous lams. toward end of interval
L	15899	16029	316	51B12	carb; interbands of meta-tuffaceous 5C
L	16029	161165	317	51B12	carb; spotty py; calc
L	161165	16303	318	51D13	light grey green metatuff; CO ₃ lams + bands ~10%; minor po
L	16303	16337	319	51A12	sl calc.; graphitic; tuffaceous frags scattered
L	16337	16434	410	51B18	extensive meta-tuffaceous lams + bands; ^{weakly} carb.
L	16434	16468	411	51D13	tuffaceous; ~20% CO ₃ bands
L	16468	16479	412	51B16	non calc; chl-musc phyllite
L	16479	16504	413	D1	light grey brown mafic speckled; aphanitic; fine grained phases of hb? px? inter bands tuffs

Code	From	To	Unit	Code	Description
1	10 14 16 20	22 23 25 27			
					RAGGED INTRUSIVE ² CTS.
L	1615104	1615140	44	51A*	TUFFACEOUS FRAG. IN GR. PHYLLITE. 650.38 CT = 678.70 CT IN 77X-1. ^{678.70} → 682.63
L	1615140	1615181	45	31G D	EXTENSIVE META TUFFACEOUS BANDS & LAMINATIONS - END OF INTERVAL SHOWS TUFFS GRADING INTO? OBVIOUS QTZ MONZONITE INTRUSIVE; 3G IS NON CALC.
L	1615181	1616104	46	31D10	GARNET CALC. SILICATE; BROWN B10 STRIPED TUFFACEOUS BANDS AT START OF INTERVAL.
L	1616104	1616131	47	01B10	EQUIGRANULAR QTZ MONZONITE? MINOR BIOTITE FLAKES.
L	1616131	1619148	48	31D12	AS UNIT 46 - IRREG. TUFFACEOUS ² BANDS. INTERBANDED BROWN B10 SCHIST (CALC SIL) & GREEN CALC SILICATE, SCATT POST D2 GARNET PORPH FROM 671.47 m. 690.68 m TO 694.03 m - INTERLAMINATED NORMAL CALC SILICATE & TUFF ² . INTERBANDED ^{687.32 m → 694.79 m} WITH SILICATED MARBLE; DISRUPTED BANDS CALC SILICATE - TUFF TO FRAGMENTS. OVERALL 50% MARBLE & 50% CAL. SIL/TUFF.
L	1619148	1710113	49	01B10	MEDIUM GRAINED; 15% B10; 61 CM AT END OF INTERVAL GARNET PEGMATITE; IRREG. CTS. SUB 11 S ₂ ; EQUI GRANULAR.
L	1710113	1711154	50	31D12	AS 46, 48. INTERBAND MARBL 704.70 m. - 706.98 m.
L	1711154	1712145	51	01B10	UPPER CT LOCALLY GRADATIONAL - SUB 11 S ₂ . 10% B10 - NON PORPHYRITIC. 719.48 m - 719.94 m AS AT 690.68 m to 694.03 m.

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description	
	10	14 16	20	22 24 26 28			32	34		38
S			78	C1S12			8.5	18.5	S-Region 7.32 - 49.87	
S			140	C1S12			7.5	18.5		
S			200	C1S12			8.2	18.5		
S			259	C1S12			9.0	18.5		
S			322	C1S12			7.7	18.5		
S			384	C1S12			9.0	18.5		
S			445	C1S12			8.7	18.5		
S			491	C1S12			7.5	18.5		
S			499		Σ					
S			552	C1S12	Z		8.4	18.5	Z Region 49.87 - 58.12	
									Some horizontal S ₂	
									No symmetry 58.12 to 119.62	
									S ₁ sub-horizontal?, S ₂ not developed.	
S			1212	C1S12	S		8.0	18.5	S Region 119.62 to 133.30 m.	
S			1272	C1S12			7.4	18.5	Solitary Z at 127.10 m.	
S			1331	C1S12			7.6	18.5		
S			1333		Σ					
S			1368	C1S12	Z	010	18.5	7.7	18.5	Z Region 133.30 - 136.82 m
									M at 136.82 m	
S			1422	C1S12			8.0	18.5	S Region 136.82 - 155.76 m	
S			1484	C1S12			8.1	18.5	Frequent horizontal S ₂ and	
S			1536	C1S12			7.5	18.5	indeterminate symmetry (down dip)	
S			1558		Σ					
S			1578	C1S12			8.3	18.5	Z Region 155.76 to 158.16 m	
S			1582		Z					
S			1633	C1S12			7.7	18.5	S Region 158.16 to 187.65 m.	
S			1696	C1S12		9.0	18.5	6.8	18.5	
S			1757	C1S12			8.9	18.5		
S			1817	C1S12			7.1	18.5		
S			1860	C1S12			7.7	18.5		
S			1877		Σ					

Structural Log

Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			1912	2	C ₁ S ₁ Z	Z			717	1815	Z Region 187.65 to 192.54
S			1918	7	C ₁ S ₁ Z				718	1815	M Region? 192.54 - 212.50 m
S			2014	5	C ₁ S ₁ Z				816	1815	Infrequent symmetry determinations, Locally horizontal. Isolated S's, Z's, M's.
S			2111	1	C ₁ S ₁ Z				813	1815	
S			2118	6	C ₁ S ₁ Z	S			812	1815	S-Region 212.50 to 259.05
S			2214	5	C ₁ S ₁ Z				815	1815	Good S region with rare isolated Z's.
S			2229	3	C ₁ S ₁ Z				710	1815	
S			2315	6	C ₁ S ₁ Z				619	1815	
S			2413	2	C ₁ S ₁ Z				516	1815	
S			2419	2	C ₁ S ₁ Z				910	1815	
S			2517	0	C ₁ S ₁ Z	S			712	1815	
S			2612	5	C ₁ S ₁ Z				810	1815	M Region? 259.05 - 291.55
S			2618	6	C ₁ S ₁ Z				618	1815	Scattered S's, Z's. Locally horizontal.
S			2714	7	C ₁ S ₁ Z				715	1815	
S			2810	7	C ₁ S ₁ Z				718	1815	
S			2816	0	C ₁ S ₁ Z				712	1815	
S			2910	9	C ₁ S ₁ Z				717	1815	
S			2917	8	C ₁ S ₁ Z	S			719	1815	S Region 291.55 to 332.40 m
S			3014	0	C ₁ S ₁ Z				716	1815	Rare isolated Z's and M's
S			3110	3	C ₁ S ₁ Z				815	1815	
S			3116	3	C ₁ S ₁ Z				517	1815	
S			3212	2	C ₁ S ₁ Z				618	1815	
S			3217	7	C ₁ S ₁ Z	S			718	1815	
S			3312	4	C ₁ S ₁ Z				715	1815	M-Region? 332.40 - 351.74
S			3318	5	C ₁ S ₁ Z				815	1815	Frequent scattered S's and Z's
S			3413	7	C ₁ S ₁ Z				717	1815	
S			3419	6	C ₁ S ₁ Z				817	1815	
S			3517	5	C ₁ S ₁ Z	S			711	1815	S Region 351.74 - 498.70
S			3613	5	C ₁ S ₁ Z				615	1815	Scattered, isolated M's

Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14 16	20	22 24 26 28			Dip	Direct.	Dip	Direct.	
S			36186	C1S12				83	185		
S			3741	C1S12				75	185		
S			3813	C1S12				88	185		
S			3872	C1S12				75	185		
S			3928	C1S12				84	185		
S			3989	C1S12				75	185		
S			4053	C1S12				83	185		
S			4120	C1S12				71	185		
S			4185	C1S12				70	185		
S			4245	C1S12				75	185		
S			4304	C1S12				80	185		
S			4354	C1S12				77	185		
S			4415	C1S12				87	185		
S			4475	C1S12				81	185		
S			4547	C1S12				83	185		
S			4593	C1S12				77	185		
S			4650	C1S12		10	0105	84	185		
S			4715	C1S12				75	185		
S			4772	C1S12				78	185		
S			4833	C1S12				79	185		
S			4897	C1S12				85	185		
S			4964	C1S12				85	185		
S			4987			Σ					
S			5029	C1S12				75	185	Z? Region 498.70 - 507.49 m.	
										Zone highly broken, 1	
										determination in centre.	
S			51090	C1S12				70	185	Z Region? 507.49 to 533.26 m.	
S			51157	C1S12				81	185	Infrquent symmetry determin	
S			51231	C1S12				78	185	ations. Z's predominate over	
S			51291	C1S12				85	185	S's.	
S			51332	C1S12				65	185		
S			5400	C1S12				65	185	533.26 - 542.24 m.	
										Badly broken core. One	
										symmetry determination (S)	

77-X-03

needs

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77X-03

Fabric Orientation Diagram:

Project: DY

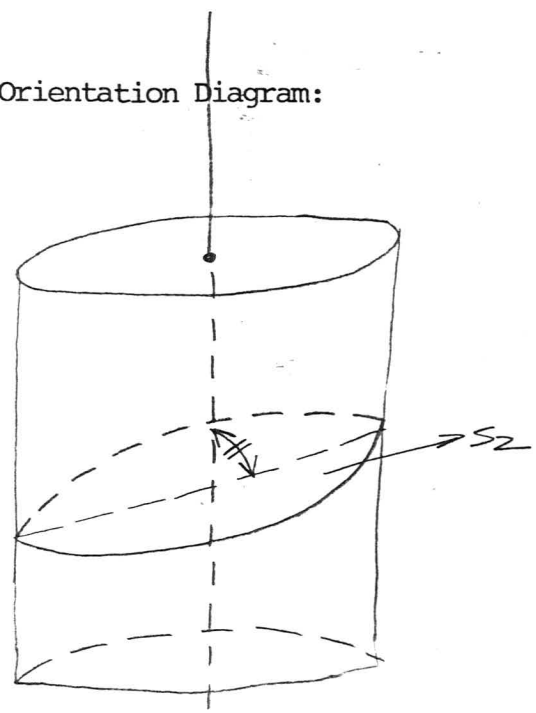
Location: Ortho-photo sheet F-6

Claim: DY 185

Terr. Plane Co-ords.: 22,649,047.6 N

317898.4 E

Grid Co-ords.: KA L 116/16 N.



Elevation: 1189.4m (3902.5 ft) MSL

All symmetry determinations looking

275° with S2 dipping

S with dip azimuth 185°.

Total Depth: 844.3 m.

Purpose: DOWN PLUNGE STEP OUT FROM 76X-21 - TO DEFINE SULPHIDE HORIZON.

Logged by: DJH, JPF, DSJ, CXT

Date(s) Logged: JUNE 1 - July 12

Drilling Contractor: ARCTIC D.D.

Core:	Size	From	To	Collar Cased and Capped:
<u>NQ</u>	<u>0.0</u>	<u>584.3</u>		<u>No</u>
<u>BQ</u>	<u>584.3</u>	<u>844.3</u>		

Started: May 23/77 Completed: July 9/77

DDH 77-X-03
2 8

Diamond Drill Core Log

Code	Drillhole	Elevation	Northing	Easting	Comments					
1	2	8	10	16	17	24	25	32	34	48
T	77-X-03	1189.4	22649048	317898						

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments					
1	2	8	10	14	22	26	28	32	34	56
R	77-X-03	100	180.0	101.0	A T C O L L I A R					
R	77-X-03	11887	168.5	043.0						
R	77-X-03	12527	172.0	193.0						
R	77-X-03	13624	173.0	193.0						
R	77-X-03	14721	174.0	208.0						
R	77-X-03	15919	178.0	178.0	⊗ DROP THIS READING.					
R	77-X-03	16120	177.0	343.0						
R	77-X-03	16882	168.0	353.0						
R	77-X-03	17644	165.5	301.0						
R	77-X-03	18406	163.5	10.0						
R										
R										
R										
R										
R										
R										

Code	Drillhole	Comments, Errant Remarks, Snivellings and /or Lewd Suggestions		
1	2	8	10	47
C		QUOTABLE QUOTES		
C		1. HARDER THAN THE BACK OF GOD'S HEAD - PETE		
C		2. LOCALLY RUTTED, MAGNETIC TO MASSIVE. . . . - JPF		
C		3. DIY DWARF NO. 8 - SILIMY		

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23 25 27			
L	14426	14525	22	5D3	
L	14525	14658	23	5B6	
L	14658	14813	24	5B0	One 5D3 band 471.5 - 471.7
L	14813	14868	25	5D3	with <10% interbanded 5B6
L	14868	15004	26	5B6	
L	15004	15136	27	5B0	
L	15136	15202	28	5D3	→ 5B6 interbanded 50:50
L	15202	15341	29	5B0	
L	15341	15379	30	5B6	w/ lt greenish gray, non-calc, tuffaceous bands
L	15379	15418	31	5B0	→ 5A0, rubble black graphitic phyll band in 5B; 000 "swat" 540.3 - 541.5
					apparently conformable to S ₂
L	15418	15485	32	5B0	w/ lt greenish gray, calc, "tuffaceous" lamellae instead of more typical "off white" calcareous bands in 5B0
L	15485	15589	33	5B0	Normal
L	15589	15855	34	5B6	As unit 30, but massive at end of interval
L	15855	15901	35	5B0	Normal. Probe and lost core, minor gouge 580.0 to 593.1 m.
L	15901	16198	36	5B6	As units 34 & 30. 618.9 to 619.3 m non-calcareous meta-tuffaceous band.
L	16198	16238	37	5B0	Normal
L	16238	16329	38	5B12	→ 5G0 locally
L	16329	16472	39	5B16	As units 30, 34 & 36
L	16472	16517	40	5B16	→ 5B2 locally with localized 5D3 bands.
L	16517	16812	41	5B10	→ 5B26 - locally massive
L	16812	16888	42	4C7	interbanded + interlaminated 5B4
L	16888	16910	43	5B14	gradational upper contact; lower contact fairly sharp; po instead of py.
L	16910	16939	44	5B14	mus-cbl phy. (not good white mica lith); po > py
L	16939	16951	45	5B14	as unit 43
L	16951	16982	46	5B14	as unit 44
L	16982	17001	47	5B14	as units 43 & 45 → 5B41
L	17001	17026	48	4E9	fine grained; minor po; grades to 4E6 locally
L	17026	17036	49	4G0	~ 25% BaSO ₄

Lithologic Log

Logged By: DST

Code	From	To	Unit	Code	Description
1	10 14 16 20 22 23 25 27				
L	17036	17045	510	4E1	~20% SiO ₂ as mottles and minor quartz frags.
L	17045	17051	514	610	as unit 49
L	17051	17059	524	4E1	as unit 50
L	17059	17108	513	4D10	4C0? ; 30-50% SiO ₂ as frags. and bands
L	17108	17140	514	4D5	→ 4A0 locally; ~30% banded sdes (mainly py); 4C5? (+ + SiO ₂ = Swin? //)
L	17140	17172	515	4E1	→ 4G0 + 4D0 locally; otherwise as units 50 + 52
L	17172	17187	516	5B4	po > py; good white mica envelope lith
L	17187	17311	517	5B4	chl musc phy; po > py; not good white mica envelope lith; as units 49 + 46; minor quartz bands
L	17311	17366	518	4E1	→ 4D0 locally; 15-25% SiO ₂ as siliceous bands; minor BaSO ₄ lams.; more siliceous near beginning of interval
L	17366	17393	519	4K17	→ 5B4 locally; po > py; ~20% banded massive sdes
L	17393	17426	610	4D0	→ 4E1 locally; generally banded massive sdes (py) 60-80%; siliceous bands + frags 20-40%
L	17426	17436	611	4A10	→ 5B4 locally; ~20% massive banded and diss sdes (mainly py); gradational lower contact.
L	17436	17541	612	5B4	chl musc phyllite; po > py; 3G4? minor dirty grey-green tuff? laminations increasing towards end of interval
L	17541	17644	613	5D16	gradational contacts; minor chloritic mottled tuff? 760.1 - 760.2; ~40% interbanded 5B4
L	17644	17748	614	5B4	as unit 62; brecciated 771.7 - 774.6
L	17748	17769	615	5B16	non-calcareous, S ₂ foliated; brecciated contacts; chloritic mottled tuff?; massive
L	17769	17910	616	5D16	? as unit # 63; po > py in siliceous lams; gradational contacts; no chl. mottled tuff
L	17910	18101	617	5B4	as units 62 and 64

Code	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L	18101	6	18102	6	618	51B	6	chloritic mottled tuff?; siliceous lams; non-calcareous; ~ 30% 5D6 (thinly laminated) interbands
L	18102	6	18109	1	619	5D	6	as units 63 & 66; minor 5DB (mottled to laminated)
L	18109	1	18110	9	710	5D	6	dirty grey-green metatuff; massive to weakly laminated
L	18110	9	18112	3	711	5A	*	"marker unit".
L	18112	3	18219	9	712	5A	11	generally thinly laminated to locally massive; brecciated w/ ass. minor gouge from 823 → end of int.; gradational lower ct over 0.5m; → 5A16; minor py.
L	18219	9	18324	4	713	3D	4	0.4 m 3F at beginning of interval
L	18324	4	18328	8	714	01C	10	qtz-felds-musc pegmatite; upper ct. ragged but ~ S ₂ ; intrusive lower ct; weakly banded
L	18328	8	18368	8	715	3D	4	3D5 from 835 → 836
L	18368	8	18443	3	716	01B	10	porphyritic bio. qtz. monzenite?; indistinct phenes; ~ 10-20% bio; locally chloritized; intrusive upper ct
			1E10H					

Structural Log

Core	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description		
	10	14	16	20			22	24		26	28
S					182	C/S/2			6.5	18.5	M region 0-36.8 m.
S					152	C/S/2			7.9	18.5	
S					207	C/S/2			7.9	18.5	
S					335	C/S/2	7.7	010.5	7.6	18.5	
S					368		3				
S					396	C/S/2			7.5	18.5	S region 36.8 to 47.4
S					454	C/S/2			8.0	18.5	
S					474		Σ				
S					543	C/S/2			7.5	18.5	E region 47.4 to 67.1 m.
S					597	C/S/2			7.8	18.5	
S					660	C/S/2			6.9	18.5	
S					661	C/S/2	6.0	18.5	8.3	18.5	
S					671		3				
S					710	C/S/2			7.9	18.5	S region 67.1 to 93.3
S					789	C/S/2			8.4	18.5	
S					878	C/S/2			6.0	18.5	
S					932	C/S/2			7.9	18.5	
S					950		Σ				M region 93.3 to 96.0
S					1010	C/S/2			6.9	18.5	Z region 96.0 to 137.0
S					1064	C/S/2			7.4	18.5	
S					1116	C/S/2			8.0	18.5	
S					1183	C/S/2			7.9	18.5	
S					1253	C/S/2			7.6	18.5	
S					1343	C/S/2			8.4	18.5	
S					1366	C/S/2	6.6	18.5	7.5	18.5	
S					1370		3				
S					1414	C/S/2			6.6	18.5	S region 137.0 to 152.6
S					1478	C/S/2			6.8	18.5	
S					1538	C/S/2			6.8	18.5	
S					1550		Σ				Indeterminate 152.6 - 161.0 m
S					1579	C/S/2			7.2	18.5	M region 153.0 to 158.4 m.
S					1614	C/S/2	8.6	010.5	7.6	18.5	Z region 161.0 to 167.7
S					1677		3				
S					1683	C/S/2			7.3	18.5	S region 167.7 to 213.2 m
S					1710	C/S/2	7.9	010.5	7.8	18.5	
S					1744	C/S/2	5.4	18.5	6.8	18.5	

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S			118.3	2	C/S12			7.5	118.5			
S			119.0	5	C/S12			6.4	118.5			
S			119.6	9	C/S12			7.6	118.5			
S			120.9	7	C/S12			6.5	118.5			
S			121.3	2		Σ						
S			121.7	3	C/S12			7.0	118.5	Z region 213.2 to 246.9		
S			122.4	0	C/S12			7.7	118.5	Indeterminate 246.9 to 249.7		
S			123.0	4	C/S12			6.7	118.5	Z region 249.7 to 254.2		
S			123.5	3	C/S12			7.0	118.5	Indeterminate 254.2 to 270.9		
S			124.2	6	C/S12			6.2	118.5	Z region 270.9 to 277.1		
S			124.9	3	C/S12			7.4	118.5			
S			125.6	0	C/S12			6.5	118.5			
S			126.1	8	C/S12	7.7	2.75	7.7	118.5			
S			126.9	4	C/S12			8.3	118.5			
S			127.6	5	C/S12	9.0		8.0	118.5			
S			127.7	1		Σ						
S			128.2	9	C/S12			8.5	118.5	S region 277.1 to 288.6 m.		
S			128.8	3	C/S12	9.0		7.6	118.5	Indeterminate 288.6 - 294.5 m		
S			129.2	9	C/S12	9.0		7.8	118.5	S region 294.5 to 297.7 m		
S			129.7	7		Σ						
S			130.1	8	C/S12	8.4	0.95	8.0	118.5	Z region 297.7 to 329.2 m		
S			130.7	9	C/S12			8.2	118.5	Indeterminate 329.2 - 335.1		
S			131.4	3	C/S12			7.3	118.5	Z region 335.1 to 343.0 m		
S			132.0	4	C/S12			7.4	118.5			
S			132.4	9	C/S12			7.0	118.5			
S			133.4	7	C/S12			7.3	118.5			
S			134.3	0		Σ						
S			134.3	8	C/S12			7.0	118.5	S region 343.0 to 374.8 m.		
S			135.2	0	C/S12			7.5	118.5			
S			135.6	3	C/S12	8.0	0.05	8.0	118.5			
S			136.2	0	C/S12			6.0	118.5			
S			136.8	2	C/S12			8.0	118.5			
S			137.4	8	C/S12	Σ		6.5	118.5			
S			137.9	5	C/S12			7.0	118.5	Z region 374.8 to 389.1 m.		
S			138.5	1	C/S12			8.0	118.5			
S			138.9	1		Σ						

Code	From				To				Feature	SYE	S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	Dip	Direct.	
S				39108	C1S12							7.5	18.5	S region 389.1 to 415.0 m.	
S				39163	C1S12							7.0	18.5		
S				4026	C1S12							7.0	18.5		
S				40188	C1S12							7.0	18.5		
S				4140	C1S12							7.0	18.5		
S				4150		Σ								Z region 415.0 to 417.6 m	
S				4176		Σ									
S				4197	C1S12							7.0	18.5	S region 417.6 to 447.6 m	
S				4250	P1S12							8.0	18.5		
S				4307	C1S12							6.0	18.5		
S				4368	C1S12							8.0	18.5		
S				4429	C1S12							7.0	18.5		
S				4436		Σ									
S				4490	C1S12							7.0	18.5	Z region 447.6 to 450.6 m.	
S				4506		Σ								S region 450.6 to 479.4 m	
S				4551	C1S12							6.5	18.5	From 454.9 to 465.1 ~ 3.7 m. of	
S				4618	C1S12							8.0	18.5	core recovered	
S				4679	C1S12							7.0	18.5		
S				4740	C1S12							8.5	18.5		
S				4794		Σ									
S				4801	C1S12							7.0	18.5	Σ region 479.4 to 500.2 m	
	4822			4868										482.2 to 486.8 largely fault	
S				4868	C1S12							9.0	18.5	gouge roughly concordant	
S				4923	C1S12							8.0	18.5	with S ₂ .	
S				4983	C1S12							7.0	18.5		
S				5002		Σ									
S				5044	C1S12							8.0	18.5	Z region 500.2 to 511.4 m	
S				5105	C1S12							7.0	18.5		
S				5114		Σ									
S				5166	C1S12							8.0	18.5	S region 511.4 to 540.3 m.	
S				5227	C1S12							7.0	18.5		
S				5288	C1S12							7.0	18.5		
S				5349	C1S12							6.5	18.5		
S				5403		Σ									
S				5415	C1S12							8.0	18.5	Z region 540.3 to 561.9 m.	
S				5471	C1S12							8.5	18.5		

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
	1	2	3	4	5	6	7	8	9	10	
S			1553	2	C512			80	185		
S			1559	3	C512			70	185		
S			1561	9		Σ					
S			1564	9	C512			50	185		S region 561.9 to 572.6 m
S			1571	5	C512			60	185		
S			1572	6		Σ					
S			1577	4	C512			70	185		Z region 572.6 to 591.8 m
S			1583	2	C512			54	185		Locally steep due to fault?
S			1589	5	C512			54	185		
S			1591	8		Σ					
S			1595	9	C512			72	185		S region 591.8 to 614.9 m
S			1601	0	C512			62	185		
S			1607	0	C512			62	185		
S			1613	0	C512			48	185		
S			1614	9		Σ					
S			1619	0	C512			67	185		Z region 614.9 to 628.5 m
S			1625	0	C512			66	185		
S			1628	5		Σ					
S			1631	0	C512			69	185		S region 628.5 to 650.1 m
S			1637	4	C512			45	185		
S			1643	0	C512			65	185		
S			1649	0	C512			68	185		
S			1650	1		Σ					
S			1655	0	C512			74	185		Z region 650.1 to 682.1
S			1661	0	C512			60	185		
S			1667	0	C512			59	185		
S			1673	9	C512			62	185		
S			1679	6	C512			52	185		
S			1682	1		Σ					Insufficient symmetry deter-
S			1684	0	C512			58	185		minations to define regions
S			1691	4	C512			65	185		S ₀ ? region 682.1 - 788.1
S			1697	7	C512			75	185		S ₀ ? - Sulphide banding
S			1703	5	C512			58	185		S ₀ ? Baritic laminations
S			1711	1	C512			69	185		
S			1717	4	C512			71	185		
S			1723	1	C512			68	185		

77-X-04

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77X-04

Fabric Orientation Diagram:

Project: DY

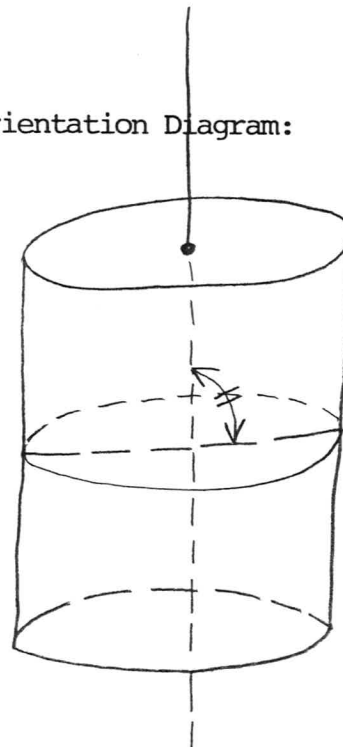
Location: Ortho-photo sheet F-6

Claim: DY 185

Terr. Plane Co-ords.: 22,648458.6 N

317350.6 E

Grid (K/A) Co-ords.: L116 + 8+00N



All symmetry determinations looking

275° with S₂ dipping

Elevation: 1186.8 M (3893.8 FT.) MSL S with dip azimuth 185°.

Total Depth: 850.1 m.

Purpose: 800' DOWN PLUNGE STEP-OUT FROM 76X-21. TO DEFINE SULPHIDE HORIZON.

Logged by: DJA / SPF / CXT / DST Date(s) Logged: JUNE 1 → July 12.

Drilling Contractor: ARCTIC Core: Size From To Collar Cased and Capped: NO

Core	Size	From	To
<u>NQ</u>	<u>0.0</u>	<u>537.4</u>	
<u>BQ</u>	<u>537.4</u>	<u>850.1</u>	

Started: May 23 Completed: July 6

Lithologic Log

Code	From	To	Unit	Code	Description	
	10	14	16	20	22 23 25 27	
L	100	140	11	#		triconed - no core
L	140	1756	12	5B10		tuffaceous lams; 40% CO ₃ ⁼ bands + lams; occasional interbands of dirty green tuff; minor variably calcareous bands; lower contact, indistinct due to lost core; ^{main zone of 5D bands} 42.4-54.7 5D=10%
L	1756	11070	13	5B16		lost + rubble core; locally massive dark green metatuff; non-calcareous; local metabasite dev
L	11070	11357	14	5B10		tuffaceous lams; ~20% CO ₃ ⁼ bands + lams
L	11357	11382	15	5B16		dark green metatuff?; non-calcareous
L	11382	12280	16	5B10		as unit 2; ~40% CO ₃ ⁼ bands + lams; v. minor dirty green metatuff? bands
L	12280	124104	17	5B10		^{5B06} variably calcareous - generally weak; CO ₃ ⁼ + qtz filled gashes; ~10% CO ₃ ⁼ bands + lams; appears to be gradational between normal 5B and dark green, non-calcareous, metatuffaceous
L	124104	131183	18	5B10		mud seam @ 242.32; 242.32-251.77 lost + rubble core (6.10 recovered); ~40% CO ₃ ⁼ lams + bands; as unit 2, typical 5B0 highly calc.
L	131183	131197	19	5B16		of 20% 5D8 interbands; in general 5B0 tends to be assoc. w/ 5D interbands making recognition of non-calc. phyll. (5B0) easy
L	131197	13531	110	5B10		As unit 2 and all prior 5B0 intervals. Approximately 40% CO ₃ ⁼ laminations.
L	13531	13636	111	5B16		With approximately 15% 5D8 meta-tuff interbands; generally showing gradational contacts with 5B1
L	13636	142106	112	5B10		30%-40% CO ₃ ⁼ interbands
L	142106	14242	113	5B16		With 5%-10% 5D8 meta-tuff interbands. Note - 5D8 nearly always calcareous, whereas host 5B essentially non-calcareous. This association holds for entire Van Gorda group.
L	14242	14461	114	5B16		With < 5% 5D8 interbands. Numerous discordant post D2 ORO "sweats"

Lithologic Log

Code	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L	446.1		494.7		15		5B10	As previous units. 40% - 50% CO ₂ laminations
L	494.7		509.0		16		5B12 → 5B26	Entire interval rubbly and broken. Non-calcareous, dark grey to greenish-black. PS ₂ foliated, muscovite chlorite phyllite. From 496.1 to 499.3 fault gouge - 2.4 m recovered over this interval for 75% recovery. No contact attitude's possible for this fault zone because of rubbly core. Over interval 494.7 - 509.0 m approximately 7.0 m recovered for ~50% recovery
L	509.0		519.2		17		5D8	Light beige - olive green, non-calcareous meta-tuffs (5D8). Interval broken showing weak to absent development of lithon structure with post D ₂ cross-cutting, matrix-filled fractures. Unit is not typical 5D.
L	519.2		529.9		18		5D8	Medium green, non-calcareous chlorite and feldspar porphyroblast mottled flows or tuffs. Unit appears to be pervasively recrystallized, crystal tuff. PS ₂ throughout, no lithon structure, chlorite mottles may represent pumiceous fragments or lapilli. This largely conjectural to blatant bullshit? Alternatively, unit may be flow with overlying associated tuffs. Moderate beige ankerite? "speckling" throughout.
L	529.9		540.8		19		5B16 → 5B21	Light to dark grey carbonaceous non-calcareous 5B.
L	540.8		543.2		20		5D16	Light greenish-grey laminarily banded non-calcareous tuffs. Minor post D ₂

Code	From	To	Unit	Code	Description	
1	10	14	16	20	22 23 25 27	
						Py/marcasite blobs at 542.7 m. contacts gradational into 5B6.
L	543.2	546.0	21	5B16		
L	546.0	547.4	22	5D3		i.f. unit 20
L	547.4	556.4	23	5C3		5C38 CO ₃ mottled P52 foliated metabasite. Up to 40% carbonate content raises question of meta-volcanic origin. N.B. Calcareous "meta-volcanic" units in Van Gorda group present genetic problem: 1) are these tuffs with limey interbands, or, 2) is carbonate product of green schist metamorphism of original labradoritic plag. or, 3) spilitization, or, 4) none of the above.?
L	556.4	559.1	24	5D3		5D38 As unit 22. Note symmetrical distribution of tuffs about metabasite - vis. 22 & 24 envelope 23
L	559.1	584.8	25	5B12		Normal carbonaceous, calcareous 5B with ~ 30% CO ₃ laminations
1	584.8	589.0	26	5D6		As unit 20. Uncertain contact with underlying unit due to ground core. Contact with unit above gradational over 1 decimeter
L	589.0	591.3	27	5G3		As unit 23
L	591.3	609.6	28	5B2		As unit 25 with 20% - 30% CO ₃ laminations - becoming less calcareous more tuffaceous towards end of interval; 1 ft breccia @ lower ct
1	609.6	611.6	29	5B16		thinly laminated, generally non calcareous, carbonaceous 5B with 20% 5D3 & 5D6
L	611.6	629.3	30	5B10		dirty grey green meta-tuffaceous? interbands
L	611.6	629.3	30	5B10		20-30% CO ₃ laminations; 20% 5D3/5D6 interbands from 2051.5 - 2064.6'

Lithologic Log

Code	From	To	Unit	Code	Description
1	10 14 16 20 22 23 25 27				
L	161293	161316	1	317 51G10	rubbly graphitic phy. band; breccia and gouge; some lost core
L	161316	161530	0	318 51B10	25-30% CO ₃ ⁼ laminations; minor breccia; <1% 5D3/5D6 interbands and breccia frags; minor 5B6 interbands towards end of int.
L	161530	161541	1	319 51D13	generally calc., dirty grey green meta-tuffaceous phyllite; thinly laminated to massive
L	161541	161596	6	315 51B12	20-25% CO ₃ ⁼ laminations; <2% 5B6 interbands;
L	161596	161653	3	316 51B16	w/ 50% 5D3 interbands from 2175'; ~30% 5B2 interbands throughout interval; 5B6 is med. grey, w/ thin psammitic/tuffaceous laminations.
L	161653	161706	6	317 51B12	dark grey → black, thinly CO ₃ ⁼ laminated; 25-30% CO ₃ ⁼ laminations; <1% 5D6 interbands
L	161706	161788	8	318 51B10	25-30% CO ₃ ⁼ laminations
L	161788	161859	9	318 51B12	→ 5B26; mod. calcareous; CO ₃ ⁼ filled gashes; ^{near beginning of interval} appears gradational between 5B0/5B2 and 5G6; <10% CO ₃ ⁼ laminations; 1' band of 5D3 @ 2227'; <10% 5G3 interbands.
L	161859	161892	2	319 51G16	dark grey → black, generally massive to locally laminated; <10% 5B0 interbands
L	161892	161910	0	410 51B12	→ 5B26; as unit 39; CO ₃ ⁼ filled gashes towards end of interval.
L	161910	171044	4	412 51B12	~25-30% CO ₃ ⁼ laminations; <2% 5D3 interbands
L	171044	171050	0	413 51G16	as unit 40; gouge 2312-2313.
L	171050	171131	1	414 51B12	20-25% CO ₃ ⁼ laminations; broken core 2313-2335'; brecciated 2336'-2339'
L	171131	171169	9	415 51E10	light grey, phyllitic marble
L	171169	171256	6	416 51B12	~10% 5B6 interbands; 15-20% CO ₃ ⁼ lams.
L	171256	171265	5	417 51D6	light grey-green weakly laminated, musc chl. schist; weakly S ₂ foliated; non calc.
L	171265	171307	7	418 51B16	→ 5B06 locally; 30-40% 5B0 interbands; rubbly core 2393-2395'; 5B6 is

Code	From	To	Unit	Code	Description	
1	10	14	16	20	22 23 25 27	
						med. greenish-grey w/ thin psammitic and tuffaceous? laminations.
L	17.3107	17.3131	48	51D16		as unit 47
L	17.3131	17.3188	49	51B16		~20% 5B2 interbands; 5B6 is thinly psammitic laminated
L	17.3188	17.4156	50	51B12		10-15% CO ₂ laminations; <10% 5B6 interbands.
L	17.4156	17.4198	51 ²	51C13		20-30% CO ₂ laminations; thinly laminated to banded; 5C0 interband 2454'-2455.5' (massive, non-calc, w/ anhedral plag clots); interval is generally interbanded meta-tuffs and metabasites? 40:60;
L	17.4198	17.5190	51 ³	51B16		thinly meta-tuffaceous? laminated, non-calc 5B; greyish-green.
L	17.5190	17.6125	51 ³	51B12		
L	17.6125	17.7118	51 ⁴	51G10		generally non-calc, thinly laminated to massive; <5% 5B2 interbands.
L	17.7118	17.7197	51 ⁵	51B16		med greenish-grey; w/ thin tuffaceous? looking laminations; as unit 53
L	17.7197	17.8130	51 ⁶	51B16		5B62; as unit 56 but carbonaceous to graphitic.
L	17.8130	17.8186	51 ⁷	51B14		po > py; light greenish grey musc chl schist; non calcareous; gradational upper ct over 5'; <u>not typical white mica envelope</u>
L	17.8186	17.9103	51 ⁸	41C17		po > py; gradational upper ct. over 3'
L	17.9103	17.9110	51 ⁹	41E10		fine grained; ~5% Pb+Zn
L	17.9110	17.9126	61 ⁰	41C15		<2% Pb+Zn
L	17.9126	17.9151	61 ¹	41C17		po > py; <10% interbanded 5B4
L	17.9151	17.9189	61 ²	51B14		po > py; noncalc musc. chl schist; not typical white mica envelope lith
L	17.9189	17.9197	61 ³	41E11		→ 4E15; 2621-2622 = 4A0; 2622-2623 = 4EA; 2623 → 2623.7 = 4E1
L	17.9197	18.0104	61 ⁴	51B4		as unit 63; lower ct. gradational over 1'
L	18.0104	18.0106	61 ⁵	51A1		

3.5
1.7
7
.6
3.5

8

7

Structural Log

Code	From				To				Feature	SYE	S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	Dip	Direct.	
S				76	C/S	2							74	18.5	Z region from 0 to 42.0 m.
S				131	C/S	2							8.1	18.5	
S				183	C/S	2							7.7	18.5	
S				250	C/S	2							7.6	18.5	
S				294	C/S	2			7.7	0.0	5		7.7	18.5	
S				354	C/S	2							8.0	18.5	
S				412	C/S	2			6.5	1.2	5		7.2	18.5	
S	42.0			51.1					3						3 region from 42.0 to 51.1 m.
S				466	C/S	2			3				8.5	18.5	
S				527	C/S	2							8.5	18.5	S region from 51.1 to 66.1 m.
S				585	C/S	2			3.5	0.1	0.5		8.6	18.5	
S				649	C/S	2							8.0	18.5	Horizontal S ₂ 66.1-70.2 m
S				719	C/S	2							8.5	18.5	
S				720	C/S	2							7.2	18.5	Indeterminate symmetry from
S				841	C/S	2							5.5	18.5	78.1 to 114.3 m
S				905	C/S	2							8.0	18.5	
S				975	C/S	2							6.2	18.5	
S				1030	C/S	2							7.0	18.5	
S				1094	C/S	2							6.7	18.5	
S				1161	C/S	2							7.8	18.5	S region from 114.3 to 117.1 m.
S				1171					Σ						
S				1216	C/S	2							7.0	18.5	Z region from 117.1 to 134.7 m.
S				1277	C/S	2							5.7	18.5	
S				1346	C/S	2							7.5	18.5	
S				1347					3						
S				1387	C/S	2							7.1	18.5	S region from 134.7 to 189.7
S				1445	C/S	2							7.2	18.5	
S				1512	C/S	2							7.2	18.5	
S				1579	C/S	2							6.9	18.5	
S				1615	C/S	2							8.8	18.5	
S				1676	C/S	2							8.0	18.5	
S				1737	C/S	2							7.3	18.5	
S				1835	C/S	2							8.5	18.5	
S				1868	C/S	2							7.4	18.5	
S				1897					Σ						
S				1936	C/S	2							7.4	18.5	Z region :- 189.7 - 202.6 m.

Code	From				To				Feature	SYM	S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	Dip	Direct.	
S				2015	C512					85	275	77	185		
S				2026					Σ						
S				2076	C512							80	185	S region 202.6 to 215.3 m	
S				2114	C512							86	185		
S				2115					Σ						
S				2220	C512							78	185	Z region from 215.3 to 226.8 m	
S				2268					Σ						
S				2307	C512							81	185	S region from 226.8 to 263.7	
S				2368	C512							77	185		
S				2405	C512							78	185		
S				2478	C512							76	185		
S				2545	C512							83	185		
S				2609	C512							82	185		
S				2627	C512							76	185		
S				2637					Σ						
S				2676	C512							78	185	Z region from 263.7 to 278.4	
S				2728	C512							79	185		
S				2784					Σ						
S				2798	C512							79	185	S region from 278.4 to 281.2 m	
S				2912					Σ						
S				2829	C512					82	140	76	185	Z region from 281.2 - 290.8	
S				2830	C512							70	185		
S				2908					Σ						
S				2941	C512							85	185	S region from 290.8 to 309.2	
S				3002	C512							80	185		
S				3060	C512							78	185		
S				3092					Σ					Z region from 309.2 to 322.6	
S				3111	C512							80	185		
S				3170	C512							80	185		
S				3226					Σ					S region 322.6 to 346.3	
S				3230	C512							80	185		
S				3290	C512							80	185		
S				3350	C512							70	185		
S				3420	C512							80	185		
S				3463					Σ					Z region 346.3 - 364.7	
S				3470	C512							90	185		

Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
	1	2	3	4	5	6	7	8	9	10	
S			3530		C.S.2			8.0	18.5		
S			3590		C.S.2			7.5	18.5		
S			3647			Σ					
S			3650		C.S.2			8.0	18.5	S Region	364.7 to 372.7 m
S			3710		C.S.2			7.5	18.5		
S			3727			Σ					
S			3780		C.S.2			8.5	18.5	Z Region	372.7 to 385.2 m
S			3840		C.S.2			8.0	18.5		
S	3852		3945			Σ					
S			3900		C.S.2			7.5	18.5		
S			3966		C.S.2			7.0	18.5	S Region	394.7 to 435.1 m
S			4020		C.S.2			9.5	18.5		
S			4080		C.S.2			7.5	18.5		
S			4140		C.S.2			7.0	18.5		
S			4200		C.S.2			6.5	18.5		
S			4260		C.S.2			7.0	18.5		
S			4320		C.S.2			3.0	18.5		
S			4351			Σ					
S			4380		C.S.2			7.0	18.5	Z Region	435.1 to 458.0 m
S			4440		C.S.2			6.0	18.5		
S			4500		C.S.2			3.0	18.5		
S			4560		C.S.2			7.0	18.5		
S			4580			Σ					
S			4620		C.S.2			8.0	18.5	S Region	458.0 to 482.5 m
S			4680		C.S.2			8.0	18.5		
S			4740		C.S.2			7.0	18.5		
S			4800		C.S.2			7.0	18.5		
S			4825			Σ					
S			4860		C.S.2			7.5	18.5	Z Region	482.5 to 488.6 m
S			4886			Σ				S Region	488.6 to 494.0 m
S			4920		C.S.2	S		8.0	18.5		visible
S	4940		5310		P.S.2					No M regions in this interval	
										although "concentric" must	
										be present 50 above and	
										below Z region do not have	
										similar probably do not exist	

Code	From		To		Feature	SYM	S ₁		S ₂		Description	
	10	14	16	20			Dip	Direct.	Dip	Direct.		
	1	10	14	16	20	22	24	26	28	32	34	38
												sent F ₂ repeat.
S				499.4	C512					8.5	18.5	
S				501.3	C512					4.0	18.5	Steepening in S ₂ produced either by faulting or F ₄ folding Fault grade 496.7-499.3. No contact angles possible
S				504.0	C512					6.5	18.5	
S				510.0	C512					7.0	18.5	
S				516.0	C512					7.5	18.5	
S				522.0	C512					7.0	18.5	
S				528.0	C512					6.0	18.5	
S				531.0	C512	Z				3.5	18.5	Z region 531.0 - 559.1
S				536.0	C512					5.0	18.5	
S				542.0	C512					4.0	18.5	
S				544.9	C512					0.0	18.5	Hinge, Z symmetry F ₄ Probable lower hinge
S				552.0	C512					7.5	18.5	
S				556.0	C512					7.0	18.5	
S				559.1	C512	Z						No M region visible.
S				562.0	C512	S				6.0	18.5	S region 559.1 to 600.9
S				568.0	C512					7.0	18.5	
S				574.7	C512					8.0	18.5	
S				580.0	C512					8.0	18.5	
S				586.0	C512					6.5	18.5	
S				592.0	C512					7.0	18.5	
S				598.0	C512					7.0	18.5	
S				600.9	C512	Z						Z region 600.9 - 604.2
S				604.2	C512	S						S region 604.2 - 606.8
S				606.8		Z						Z region 606.8 to 622.8
S				611.0	C512					6.8	18.5	
S				611.6	C512					6.8	18.5	
S				612.2	C512					6.4	18.5	
S				612.2		S						S region 622.8 - 625.6
S				623.7	C512					5.2	18.5	
S				625.6		Z						Z region 625.6 - 652.4

Code	From		To		Feature	S/E	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			1612	175	C/S ₁ 2				515	185	
S			1613	135	C/S ₁ 2				512	185	629.4 to 635.2 broken core
S			1614	100	C/S ₁ 2				715	185	and gouge, local steep S ₂
S			1614	160	C/S ₁ 2				610	185	Fault?
S			1615	115	C/S ₁ 2				716	185	
S			1615	124							S region 652.4 to 660.1 m.
S			1615	170	C/S ₁ 2				710	185	
S			1616	101							S region 660.1 to 686.0 m.
S			1616	132	C/S ₁ 2				712	185	
S			1616	181	C/S ₁ 2				810	185	
S			1617	141	C/S ₁ 2				610	185	
S			1617	199	C/S ₁ 2				512	185	
S			1618	50	C/S ₁ 2				615	185	
S			1618	160							Z region 686.0 to 700.3
S			1619	110	C/S ₁ 2				715	185	
S			1619	172	C/S ₁ 2				618	185	
S			1710	103							S region 700.3 to 706.9
S			1710	130	C/S ₁ 2				713	185	
S			1710	169							Z region 706.9 to 719.4
S			1710	192	C/S ₁ 2				412	185	
S			1711	154	C/S ₁ 2				710	185	
S			1711	194							S region 719.4 to 720.9
S			1712	102	C/S ₁ 2				610	185	
S			1712	109							Z region 720.9 to 744.3 m
S			1712	164	C/S ₁ 2				715	185	
S			1713	124	C/S ₁ 2				618	185	
S			1713	179	C/S ₁ 2				817	185	
S			1714	141	C/S ₁ 2				718	185	
S			1714	143							S region 744.3 to 757.7 m
S			1715	100	C/S ₁ 2				815	185	
S			1715	160	C/S ₁ 2				717	185	
S			1715	177							Z region 757.7 to ?
S			1716	121	C/S ₁ 2				712	185	
S			1716	166							766.6 to 774.5 - Horizontal S ₂
S			1716	180	C/S ₁ 2				619	185	and P/S ₂
S			1717	140	C/S ₁ 2				815	185	

77-X-05

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77X-05

Fabric Orientation Diagram:

Project: DY

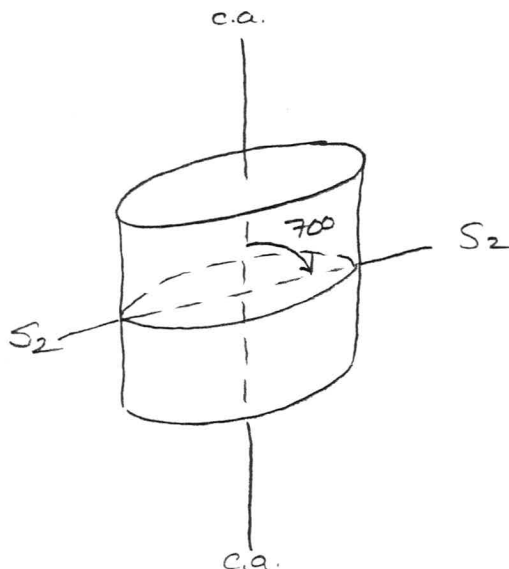
Location: Sheet F-6 Uangorda Plateau

Claim: DY 186

Terr. Plane Co-ords.: 22,648872.3 N

318686.3 E

KA Grid Co-ords.: L 124E, 20+CON



All symmetry determinations looking

W with S2 dipping

S with dip azimuth 185°.

Elevation: 1162.1 M (3812.9 ft.) MSL

Total Depth: 879.4 M.

Purpose: Define Extent of DY Deposit

Logged by: DJH / DJH Date(s) Logged: _____

Drilling Contractor: Arctic Core: Size From To Collar Cased and Capped: No

Started: _____ Completed: _____

DDH 77-X-05
2 8

Diamond Drill Core Log

Code	Drillhole	Elevation	Northing	Easting	Comments					
I	2	8	10	16	17	24	25	32	34	48
T	77X-05	1162.1	226488.72	318686						

Code	Drillhole	Depth M	Zenith Angle	True Azimuth	Comments					
I	2	8	10	14	22	26	28	32	34	56
R	77X-05	1090.0	180.0	090.0	AT COLLAR VERTICAL					
R	77X-05	1265	178.0	260.0						
R	77X-05	1813	177.0	256.0						
R	77X-05	2728	175.5	213.0						
R	77X-05	3642	170.5	273.0						
R	77X-05	4557	171.0	286.0						
R	77X-05	5471	170.0	303.0						
R	77X-05	6458	166.5	304.0						
R	77X-05	8744	171.0	355.0						
R	77X-05	7198	165.0	316.0						
R	77X-05	7958	169.0	336.0						
R										
R										
R										
R										
R										

Code	Drillhole	Comments, Errant Remarks, Snivellings and /or Lewd Suggestions		
I	2	8	10	47
		FIAICIEI MIKIEIS IOFI ITRIIALIS IWIITHI SIMILIEIS		
		EIDRI VITI IRVILIEIS ITHIEMI ITIO IRIELIIEVIE		
		TIHIBITI YIOVI ICIANI PIEIRICIEIIVIE		
		TIHIEI IMEIBI ITHIEIY IMCIAIVIE		
		GIRONKIB		

Lithologic Log

Logged By: DSJ/DJH.

Code	From	To	Unit	Code	Description	
1	10	14	16	20	22 23 25 27	
L	11100	1113	11	#	o/B	
L	1113	1511	12	51B10	/	
L	1511	1516	13	51D13	/	
L	1516	15168	14	51C13	/	
L	15168	15194	15	51D13	/	
L	15194	16140	16	51B16	/	
L	16140	17129	17	51C16	/	
L	17129	17135	18	51D16	/	
L	17135	17158	19	51B16	/	
L	17158	18187	110	51B10		
L	18187	110162	111	51B16	→ 5B62	
L	110162	115101	112	51B16	much OQO "sweats"	
L	115101	115114	113	51B10		
L	115114	116197	114	51B16		
L	116197	118125	115	51B10		
L	118125	119127	116	51B16		
L	119127	1210103	117	51B10	*note calcareous bands Fe and/or Mg	
L	1210103	121110	118	OC10	conformable to S2 @ 65/185	
L	121110	121273	119	51B10	(Fe, Mg) CO ₃ ⁼ bearing; as unit 17	
L	121273	12512220	51B10			
L	125122	125126	211	51D13		
L	125126	125199	22	51B10		
L	125199	1216123	213	51B16		
L	1216123	1216134	214	51D13		
L	1216134	1216139	215	51B16		
L	1216139	1216158	216	51D13		
L	1216158	1217183	217	51B10	(Fe Mg) CO ₃ ⁼ as units 17 & 19	
L	1217183	1217192	218	51D13		
L	1217192	1218146	219	51B10	Fe Mg CO ₃ ⁼ as units 17, 19, 27	
L	1218146	1218151	310	51D13		
L	1218151	1219199	311	51B10		
L	1219199	1310122	312	51B16	Post D ₂ breccia - frags 1mm → 1cm	
L	1310122	1313104	313	51B16	in non-calc, carbonaceous matrix	
L	1313104	1313185	314	51D13	w/ minor 5B6 interbands ~20% of int.	
L	1313185	131401	315	51B10	(Fe Mg) CO ₃ ⁼ as 17, 19, 27, 29	

Lithologic Log

Logged By: _____

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	1314101	1314131	316	51B16	
L	1314131	131525	317	51B10	Fe Mg CO ₃ ⁼ as 17, 19, 27, 29, 35
L	131525	131542	318	51D13	
L	131542	131603	319	51B10	Fe Mg CO ₃ ⁼ as 17, 19, 27, 29, 35, 37
					~10% SD3 interbands
L	131603	131620	40	51D13	carbonate, qtz segs. rich in Fe carbonate.
L	131620	141358	41	51B10	Fe Mg CO ₃ ⁼ as 17, 19, 27, 29, 35, 37, 39
L	141358	141392	42	51C10	
L	141392	141715	43	51B10	
L	141715	141778	44	51B16	
L	141778	151074	45	51B10	30% Fe Mg CO ₃ ⁼ interbands.
L	151074	151082	46	51D13	
L	151082	151112	47	51B16	
L	151112	151349	48	51D13	minor amoeboid po in qtz, CO ₃ ⁼ bands // S ₁ // S ₂
					minor // S ₂ ; not similar to vein structures?
					seen in Swim Lake area; → 5D39
L	151349	151405	49	51B16	
L	151405	151422	50	51C10	calcareous 50:50 SC-5D.
L	151422	151446	51	51D18	→ 5DB6
L	151446	151451	52	51C15	
L	151451	151604	53	51D18	→ 5DB96 contains pelitic component not seen in unit 48;
					ie ^{more} laminarily banded green-grey in colour.
L	151604	151646	54	51C13	
L	151646	151656	55	51B10	
L	151656	151716	56	51D18	cf unit 53
L	151716	151805	57	51B16	
L	151805	151868	58	51D18	cf units 53, 56
L	151868	151900	59	51D14	→ 5DB4 unit = alt. envelope around sdes where
					chl → yellowish beige musc. w/
					abundant foliaform (S ₁ , S ₂) + non-
					foliaform (post D ₂) qtz, po stringers
L	151900	151943	60	4E10	mainly py, w/ minor Pb+Zn; good
					barite banding S ₀ // S ₁ // S ₂ towards base.
L	151943	151952	61	4E16	
L	151952	151983	62	4E10	~15-20% interbanded 4E0; cf unit 60
L	151983	161923	63	4C16	~50-60% total sdes w/ minor massive barite bands up to 12 cm. thickness.

Lithologic Log

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23	25 27		
L	161023	161063	614	4G10	→ 4G3 cf unit 60, 62
L	161063	161083	615	4G6	cf unit 63
L	161083	161092	616	5D9	or 4H1; ~50% mass. po. over interval
L	161092	161144	617	5D9	cf unit 59
L	161144	161172	618	4C7	to 4CK7
L	161172	161185	619	4G10	cf units 60, 62, 64
L	161185	161191	710	5D3	
L	161191	161224	711	4A10	~40% total sdes (py, ga, sph)
L	161224	161241	712	4E10	<10% qtz
L	161241	161263	713	4A10	cf. unit 71
L	161263	161278	714	4E4	→ 4E46
L	161278	161313	715	5B4	→ 5B46 and/or 5D46
					light beige musc phyllite
L	161313	161355	716	5B6	→ 5B62
L	161355	161362	717	4H1	boudinaged gteite frags
L	161362	161367	718	4E4	
L	161367	161405	719	5B2	→ 5B29 (po)
L	161405	161429	810	4C7	
L	161429	161470	811	5B1	→ 5B19 (po)
L	161470	161478	812	4C7	
L	161478	161495	813	5B1	
L	161495	161668	814	5D3	
L	161668	161707	815	5B10	~20% CO ₂ lams
L	161707	161715	816	5D3	→ 5D34 locally; 20 cm band of 5F @
					end of interval
L	161715	161713	2817	4E8	→ 4E81 ^{locally} ; <20% 4C0 interbanded; ~10% Fe ₂ O ₃
L	161713	161713	6818	5D3	
L	161713	161750	819	4E8	→ 4E86 locally; ~10% Fe ₂ O ₃ ; ~5% BaSO ₄
L	161750	171017	7910	5B1	
L	170177	171017	912	4C7	→ 4C79 locally; ~20% sdes.
L	171090	171154	913	4G1	<20% interbanded 4C0; minor 4A0 frags. toward end of int.; ~10-15% BaSO ₄
L	171154	171160	914	4A10	~20% sdes (po, ga, sph); ~40% graph + arg;
					~40% gteite
L	171160	171402	915	5B10	→ 5B10 ^{locally} ; minor S ₂ folia-form po lams and minor post D ₂ po b'le bs

Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description	
1	10	14	16	20	22 23 25 27	
L	17402	17424	918	41EB		~10% Fe_3O_4 ; minor 9AO frags; → 9EB1; minor 4E6 interbands.
L	17424	17607	919	51D1B		→ 5DB9 throughout int; chl. alt → musc; much OQO w/ ass chloritic phyllite; py & po in S_1, S_2 foliaform stringers also post D_2 blebs
L	17607	17622	2010	51D1B		"bleached" envelope; chl → light beige musc → 5DB4
L	17622	17634	011	41A10		20% banded massive & diss sdes (mainly py); 25% graph & arg.; 55% qtzite
L	17634	17666	6012	41G10		~15-30% $BaSO_4$; minor 4E @ end of interval
L	17666	17685	5013	41A10		~20% diss. sdes (mainly py); ~20% graph & arg; ~60% qtzite
L	17685	17712	2014	51D1B		as unit 100; → 5DB4
L	17712	18222	2015	51D1B		→ 5DB9 (po) as unit 99; → 5DB4 locally
L	18222	18255	5016	4K17		20-30% sdes (po)
L	18255	18277	7017	51D1B		→ 5DB4
L	18277	18371	1018	4K17		as unit 106
L	18371	18510	3019	51D16		no po; no beige musc; minor "dirty" green meta
L	18510	18539	110	51A*		"marker unit"; tuffaceous frags.
L	18539	18648	111	31G10		no core 863.5 - 864.7 m; two pieces of massive py @ 864.7 m; 30cm 3E @ end of int
L	18648	18658	112	31D11		
L	18658	18673	113	31C10		
L	18673	18772	114	31D11		<10% silicated marble interbands
L	18772	18794	115	31F10		~30% bio phyllite lams (boudinaged)
		1504				

Structural Log

Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14 16	20 22 24 26 28	32 34 38			Dip	Direct.	Dip	Direct.	
S			15		CISR			72	1815		S Region 1.5 m - 26.8 m
S			100		CISR			71	1815		
S			166		CISR			70	1815		
S			121	8	CISR			61	1815		
S			121	67	CISR			810	1815		
S			121	68	FRM						M Region 26.8 m - 31.2 m
S			130	0	CISR			72	1815		
S			131	2	FRM						S Region 31.2 m - 37.1 m.
S			135	2	CISR			85	1815		
S			137	1	FRZ						Z Region 37.1 - 41.5
S			140	8	CISR			78	1815		
S			141	5	FRZ						S Region 41.5 - 54.0 m.
S			142	7	CISR			77	1815		
S			149	0	CISR			80	1815		
S			154	0	FRZ						Z Region 54.0 - 57.5 m.
S			154	4	CISR			75	1815		
S			157	5	FRZ						S Region 57.5 - 73.7 m
S			159	8	CISR			72	1815		
S			164	2	CISR			68	1815		
S			168	2	CISR			45	1815		
S			173	7	FRZ						Z Region 73.7 - 85.2 m
S			173	9	CISR			80	1815		
S			179	7	CISR			65	1815		
S			184	6	CISR			80	1815		
S			185	2	FRZ						S Region 85.2 - 88.4 m
S			188	3	CISR			76	1815		
S			188	4	FRZ						Z Region 88.4 - 91.4 m.
S			191	0	CISR			76	1815		
S			191	4	FRZ						S Region 91.4 - 96.7 m.
S			195	0	CISR			65	1815		
S			196	7	FRZ						Z Region 96.7 - 103.8 m
S			110	1	CISR			67	1815		
S			110	38	FRZ						S Region 103.8 - 109.8 m
S			110	72	CISR			74	1815		
S			110	98	FRZ						Z Region 109.8 - 114.1 m.
S			111	31	CISR			68	1815		

Code	From				To				Feature	S ₁ Dip Direct.	S ₂ Dip Direct.				Description
	10	14	16	20	22	24	26	28			32	34	38		
S				114	1	FR	3							S Region 114.1 - 129.0 m.	
S				118	6	C/S	R				67	185			
S				125	6	C/S	R				70	185			
S				129	0	FR	E							Z Region 129.0 - 141.6 m.	
S				133	2	C/S	R				69	185			
S				139	5	C/S	R				80	185			
S				141	6	FR	3							S Region 141.6 m - 149.3 m.	
S				145	3	C/S	R				74	185			
S				149	3	FR	E							Z Region 149.3 - 152.8 m.	
S				151	5	C/S	R				81	185			
S				152	8	FR	3							S Region 152.8 - 164.8 m.	
S				155	5	C/S	R				77	185			
S				161	7	C/S	R				72	185			
S				164	8	FR	E							Z Region 164.8 - 169.6 m.	
S				166	9	C/S	R				81	185			
S				169	6	FR	E							S Region 169.6 - 179.6 m.	
S				172	2	C/S	R				73	185			
S				178	3	C/S	R				80	185			
S				179	6	FR	E							Z Region 179.6 - 186.7 m.	
S				181	3	C/S	R				55	185			
S				186	5	C/S	R				75	185			
S				186	7	FR	3							S Region 186.7 - 223.6 m.	
S				191	4	C/S	R				75	185			
S				199	0	C/S	R				80	185			
S				211	6	C/S	R				70	185			
S				216	4	C/S	R				60	185			
S				222	9	C/S	R				78	185			
S				223	6	FR	E							Z Region 223.6 - 232.1 m.	
S				226	7	C/S	R				70	185			
S				231	1	C/S	R				57	185			
S				232	1	FR	3							S Region 232.1 - 239.3 m.	
S				236	2	C/S	R				69	185			
S				239	3	FR	E							Z Region 239.3 - 245.9 m.	
S				242	6	C/S	R				84	185			
S				245	5	C/S	R				73	185			
S				245	9	FR	3							S Region 245.9 - 257.0 m.	
S				251	9	C/S	R				82	185			

Code	From				To				Feature	S ₁ Dip Direct.	S ₂ Dip Direct.			Description
	1	10	14	16	20	22	24	26			28	32	34	
S					257.0				FRZ					Z Region 257.0 - 259.9 m.
S					258.0				CISR			82	185	
S					259.9				FR3					S Region 259.9 - 267.8 m.
S					264.2				CISR	S		72	185	
S	12617	8			278.0				IMD					Indeterminate sym.
S					273.4				CISR			71	185	
S					280.4				CISR	Z		55	185	Z Region 278.0 - 281.9 m.
S					281.9				FR3					S Region 281.9 - 285.9 m.
S					285.9				CISR	S		68	185	
S	12185	9			292.4				IMD					Indeterminate sym.
S					292.4				CISR	S		68	185	S Region 292.4 - 326.0
S					297.8				CISR			72	185	
S					303.9				CISR			70	185	
S					309.0				CISR			80	185	
S					316.7				CISR			75	185	
S					321.3				CISR			70	185	
S					326.0				FRZ					Z Region 326.0 - 332.3 m.
S					330.2				CISR			72	185	
S					332.3				FR3					S Region 332.3 - 339.8 m.
S					336.7				CISR			82	185	
S					339.8				FRZ					Z Region 339.8 - 344.6 m.
S					343.0				CISR			78	185	
S					344				FR3					S Region 344.6 - 369.1 m.
S					349.0				CISR			82	185	
S					355.6				CISR			77	185	
S					360.3				CS ₂			66	185	
S					365.7				CS ₂			79	185	
S					369.1				FRZ					Z region 369.1 - 383.8 M
S					372.0				CS ₂			73	185	
S					378.7				CS ₂			79	185	
S					381.8				CS ₂			77	185	
S					383.8				FR3					S region 383.8 - 388.3 M
S					388.0				CS ₂			82	185	
S					388.3				FRZ					Z region 388.3 - 393.7 M
S					393.3				CS ₂			78	185	
S					393.7				FR3					S region 393.7 - 402.1 M

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S				3990	CS2			70	185			
S				4021	F2E							Z region 402.1 - 404.4 M
S				4043	CS2			71	185			
S				4044	F23							S region 404.4 - 407.1 M
S				4070	CS2			81	185			
S				4071	F2E							Z region 407.1 - 420.1 M.
S				4115	CS2			81	185			
S				4175	CS2			81	185			
S				4201	F2E							Z region 420.1 - 431.5 M.
S				4237	CS2			58	185			
S				4307	CS2			80	185			
S				4315	F23							S region 431.5 - 455.9 M.
S				4381	CS2			90	185			
S				4432	CS2			75	185			
S				4525	CS2			70	185			
S				4559	F2E							Z region 455.9 - 462.3 M
S				4587	CS2			65	185			
S				4623	F23							S region 462.3 - 466.8 M
S				4640	CS2			54	185			
S				4668	F2E							Z region 466.8 - 482.4 M
S				4700	CS2			75	185			
S				4749	CS2			75	185			
S				4809	CS2			77	185			
S				4824	F23							S region 482.4 - 495.9 M
S				4877	CS2			57	185			
S				4941	CS2			66	185			
S				4959	F2E							Z region 495.9 - 501.0 M
S				4998	CS2			61	185			
S				5010	F23							S region 501.0 - 511.1 M
S				5051	CS2			73	185			
S				5111	F2E							Z region 511.1 - 534.9 M
S				5142	CS2			74	185			
S				5197	CS2			70	185			
S				5262	CS2			61	185			
S				5347	CS2			70	185			
S				5349	F23							S region 534.9 - 541.6 M

Code	From				To				Feature	S/E	S ₁		S ₂		Description
	1	10	14	16	20	22	24	26			28	32	34	38	
S					5138	2	CS	2			81	18	5		
S					5141	6	F2	Z						Z region 541.6 - 577.1 M	
S					5144	1	CS	2			60	18	5		
S					5147	1	F2	3						S region 547.1 - 567.6 M	
S					5151	6	CS	2			62	18	5		
S					5156	0	CS	2			73	18	5		
S					5162	6	CS	2			78	18	5		
S					5167	6	F2	Z						Z region 567.6 - 572.9 M	
S					5167	7	CS	2			75	18	5		
S					5172	1	CS	2			81	18	5		
S					5172	9	F2	3						S region 572.9 - 577.1 M	
S					5175	2	CS	2			85	18	5		
S					5177	1	F2	Z						Z region 577.1 - 589.7 M	
S					5180	5	CS	2			68	18	5		
S					5186	7	CS	2			75	18	5		
S					5189	7	F2	Z						PS2 589.7 - 599.1	
S	589	7			5199	1	PS	2							
S					5192	8	PS	2			57	18	5		
S					5195	9	PS	2			74	18	5		
S					5199	1	F2	Z			80	18	5		
S					5199	2	F2	3						S region 599.2 - 670.9 M	
S					602	1	CS	2			65	18	5		
S					609	6	CS	2			73	18	5		
S					616	0	CS	2			56	18	5		
S					621	4	CS	2			80	18	5		
S					632	8	CS	2			55	18	5		
S					638	9	CS	2			76	18	5		
S					641	5	CS	2			75	18	5		
S					651	4	CS	2			75	18	5		
S					657	7	CS	2			82	18	5		
S					666	6	CS	2			80	18	5		
S					671	0	F2	Z						Z region 670.9 - 675.3 M	
S					674	4	CS	2			78	18	5		
S					675	3	F2	3						S region 675.3 - 701.0 M	
S					680	9	CS	2			76	18	5		
S					687	0	CS	2			59	18	5		

DDH 77X-05
2 8

Cyprus Anvil Mining Corp.
Structural Log

Page 12 of 14
Logged By: DJH/DST

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S			69	138	C/S2			76	185			
S			69	191	C/S2			75	185			
S			70	100	F2M							M region 701.0 - 707.6 M
S			70	56	C/S2			65	185			
S			70	76	F2M							S region 707.6m - 2586.5 ft.
S			71	20	C/S2			60	185			
S			71	90	C/S2			76	185			
S			72	56	C/S2			62	185			
S			73	09	C/S2			63	185			
S			73	47	C/S2			68	185			
S			74	46	C/S2			69	185			
S			75	31	C/S2			52	185			
S			75	89	C/S2			60	185			
S			76	58	C/S2			55	185			
S			77	14	C/S2			68	185			
S			77	87	C/S2			66	185			
S			78	54	C/S2			52	185			
S			78	83	F2E							2 Region 2586.5 ^{ft} - 843.0 M
S			79	03	C/S2			72	185			
S			80	06	C/S2			70	185			
S			80	74	C/S2			68	185			
S			81	50	C/S2			78	185			
S			82	23	C/S2			70	185			
S			82	96	P/S2			68	185			PS2 from 2715 - 2748
S			83	72	P/S2			80	185			
S			84	130	F23							S Region 843.0 - EOH.
S			84	131	C/S2			68	185			
S			84	91	C/S2			73	185			
S			85	52	C/S2			59	185			
S			86	05	C/S2			54	185			
S			86	77	C/S2			79	185			
S			87	37	C/S2			62	185			
S			87	89	C/S2			79	185			

ft.

DDH 77-X-05
2 8

Cyprus Anvil Mining Corp.

Page 13 of 14

Geochemical Log (Sampler's Copy)

Logged By: _____

Sampled By: _____

Code	From	To	Sample No.	Description
1	10	14 16	20 22	27
P	151910	151910	1216157	
P	151910	151930	1216158	
P	151930	151943	1216159	
P	151943	151952	1216160	
P	151952	151972	1216161	
P	151972	151983	1216162	
P	151983	161010	1216163	
P	161010	161023	1216164	
P	161023	161043	1216165	
P	161043	161063	1216166	
P	161063	161083	1216167	
P	161083	161092	1216168	
P	161144	161154	1216169	
P	161154	161172	1216170	
P	161172	161185	1216171	
P	161191	161211	1216172	
P	161211	161224	1216173	
P	161224	161241	1216174	
P	161241	161263	1216175	
P	161263	161278	1216176	
P	161355	161367	1216177	
P	161405	161429	1216178	
P	161715	161732	1216179	
P	161736	161750	1216180	
P	171077	171090	1216181	
P	171090	171110	1216182	
P	171110	171130	1216183	
P	171130	171150	1216184	
P	171150	171160	1216185	

77-X-06

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77X-06

Fabric Orientation Diagram:

Project: DY

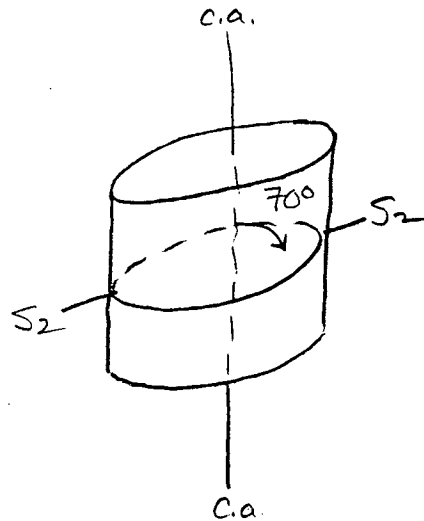
Location: Sheet F-6 Vangorda Plateau

Claim: _____

Terr. Plane Co-ords.: 22,648421.4 N

320252.5 E

KA Grid Co-ords.: L139E, 26+50N



All symmetry determinations looking

45 with S2 dipping

Elevation: 1076.2M (3530.9 ft) MSL S with dip azimuth 185.

Total Depth: 801.0 M

Purpose: Extension of DY Deposit

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: Arctic Core: _____ Size _____ From _____ To _____ Collar Cased and Capped: NO

Started: _____ Completed: _____

Lithologic Log

Logged By: DJH & JPF

Core	From	To	Unit	Code	Description
1	10 14 16 20 22 23 25 27				
L00000	000229	01		#	OVERBURDEN
L00229	010357	02	5B10		BRECCIATED 33.0 → 35.7 INFREQUENT 5D6 BANDS 10CM-20CM.
L00357	00788	03	5B10		CLASSIC. 35.7 → 40.2 THIN OCKEROUPPED HEMATITIC LAMINATIONS < 5% — SIMILAR TO AGE 66-2 DDH.
L00788	00933	04	5B16		- DARK GREEN GRAY BANDS INCREASING AT EXPENSE MRBL LAMINATIONS. 30% 5B0. SEVERAL 10CM 5D BANDS. 89.4 → 89.9 BULL QTE.
L00933	011035	05	5B10		CLASSIC
L011035	011068	06	5D3		YW BROWN - GREY, SOME 5D6.
L11068	011100	07	5B16		AS UNIT 04
L011100	011129	08	5D3		AS UNIT 06.
L011129	011166	09	5B10		CLASSIC. SOME MINOR 5B7. ^{UPPER & LOWER CT GRADATIONAL.}
L011166	011840	10	5B6		3 GENERALLY D. GREY GREEN AS UNIT 04. 30% 5B0. BULL QTE 141.2 → 141.9 UPPER & LOWER CT (OVER 3M) GRADATIONAL.
L011840	021170	11	5B10		20% 5B6 INTERBANDS. LOWER CT IS GRADATIONAL.
L021170	023161	12	5B6		AS UNIT 04. 40% 5B0 INTERBANDS

Lithologic Log

Code	From	To	Unit	Code	Description
1	10	14 16	20	22 23 25 27	
L	29361	121919	13	5B10	→ 5B0-7. LOCAL GOOD SD ₃ LAMINATIONS. (10%) and bands. 276.4 → 277.4 283.1 → 284.0 287.4 → 288.8 289.8 → 292.5 } SD ₃ BANDS.
L	2999	131052	14	5D13	- minor 5B0 interbands
L	31052	13278	15	5B10	- normal 5B0 @ beginning of interval → 5B2 with minor 5D3 bands & lams; ~40% 5B6 interbands & inter lams over last half of int
L	3278	13311	16	5D13	40% 5D3; 40% 5D6; 20% 5B0 inter banded
L	3311	13338	17	5B16	
L	3338	13378	18	5D16	broken core; 333.45-335.13, 0.8 m rec'd; 335.13-336.65, 0.4 m rec'd; 336.65-337.26, 0.7 m rec'd.
L	3378	13627	19	01C19	felds. porphyry int?; gm. is beige to light grey to light green in colour - 1 (aphanitic); w/ >20% qtz phenos and ~30% felds. phenos.; note tuft @ upper and lower contacts; rare felds phenos to 3 cm.; "altered" gm.
L	3627	137103	20	01C10	as above but w/ light grey to grey green gm. ("unaltered"); more porphyritic; dark green pyrox? grains scattered throughout; med grained (2-3mm) gm.; int?
L	37103	138151	21	5B10	occasional tuft band.
L	38151	13894	22	5B16	well laminated; alternating dark grey to black and psammitic lams.
L	3894	139184	23	5B10	occasional 5B6 inter bands.; 389.38-389.84 = 0.2 m;

Code	From	To	Unit	Code	Description
	1 10 14 16 20 22 23 25 27				
L	039184	041154	21A	5B7	→ 5B70 INFREQUENT FINE TUFF LAMINATIONS; MINOR PO
L	041154	041182	21B	5D13	"COARSE" IRREGULAR V BANDED YELLOW GREEN TO GREY BROWN GRITTY TUFF - LESER MRBL BANDS. - 416.8 → 417.3 Δ'D ZONE; DISS PO < 1%
L	041182	042722	21C	5B7	DOMINANTLY SB - FINE TUFF LAMINATIONS AS IN UNIT 2A - LOCALLY GRADERS INTO SDB AS IN UNIT 2B. WEAK TO NON CALC AT 426.9 → 427.2; MINOR DISS + LOM. PO
L	042722	042752	21D	5D16	INTERBANDED YW GRN TUFF & QRT(?) SOME CO ₂ GASHERS.
L	042752	042877	21E	4C10	BANDED WITH TOTAL SULPHIDES = 70% SOM PO RICH BAND AT TOP OF INTERVAL. - NARROW (10CM) INTERVAL AK (ANKERITE?) IN MIDDLE INTERVAL. TUFF BANDING NEAR END INTERVAL. CPY REMOBILIZED? IN UPRIGHT GASHERS. CALAREOULD.
L	042877	043143	21F	5D13	MELANGE ZONE. QRT (QRT?) FRAGMENTS & SILICIFIED L. PURPLE & WHITE GRITTY TUFF FRAGMENTS. CRUDELY BANDED. PO DISSEM < 5% THROUGHOUT. IRREGULAR TUFF. LAMINATIONS.
L	043143	043143	21G	5D13	AS UNIT ...
L	043143	043144	310	4C7	INTERVAL. TOTAL SULPHIDES = 80%. PY IS V. FINE GRAINED TO M.G. PORPH. 30% F.G. COATS OF PO. THIN (TO 1CM) PO BAND AT TOP OF INTERVAL
L	043144	043159	311	5D3	AS UNIT 29

Lithologic Log

Logged By: _____

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23 25 27			
L	01455	5 0462	7 40	4K10	50-65% TOTAL SULPHIDES. MASSIVE F.G. PYRITE IN IRREGULAR BANDS TO MASSES IN C. 60% QRTZ. QRTZ FRAGMENTS? ENVELOPED IN MASSIVE PY CONTAIN PY BANDS. LOCAL 5' INFREQUENT BANDS OF DARK RED SPH. CLOTS OF CRY ARE TRAPPED BY AMBER SPH. ANKERITE FRAGMENTS THROUGHOUT; LAST .3M OF INTERVAL IS BLEACHED TO CHLORITIC (DARK) WITH A 10CM. SPHALERITE (RED) RICH ZONE OVERALL 6.5% Pb Zn
L	0462	70 4655	41	5B0	
L	04655	04750	42	5B7	BEECIATED
L	04750	051038	43	5B7	MINOR SBO INTERBANDS.
L	05038	05A1	34A	5B6	D. GRAY GREEN.
L	05A13	05522	45	4A1	TOTAL SULPHIDES 30% - dark grey arg. & graph. qtzite - GR THAN WHISPY LAMINATIONS. - GRADES TO 4D LOCALLY. RED BROWN SPH >> PBS 5-10% COMBINED Pb Zn. ~20% arg & graph; ~50% qtzite.
L	05522	05568	46	5B6	GRAY GREEN - THINLY LAMINATED - POOR LITHONS.
L	05568	05571	47	5D3	
L	05571	05633	48	4A1	- grades to 4D locally. TOTAL SULPHIDES 30% - TAPERING OFF TOWARD END OF INTERVAL 5-7% COMBINED Pb Zn. SOME 3-10CM SD BANDS (5% INTERVAL)

305 unit 45

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16	20 22 23 25 27			
L05633	05716	6419	5A0		INFREQUENTLY RIBBON BANDO. (→4A0) MINOR DISSEM. PY, PDS & SPA. SEVERAL 30-40cm SDB BANDS NEAR TOP OF INTERVAL; grad lower ct over 1m.
L05766	05795	510	4A0		TOTAL SULPHIDES 30-40% ^{GRADES LOCALLY} TO 4A4. PY + SPH + PDS; qtzite 20%; arg + graph 45 SPA >> PDS - 5-8% Pb & Zn. LOCALLY TO 4D5 (AS UNIT 4B)
L05795	05837	511	5A0		AS UNIT 49 - NO ONLY WORK BANDS IN - BASE METAL DEFICIENT.
L05837	05865	52	4C0		583.2 → 586.4 BROKEN CORE 2.4M RECD. - gradations upper ct. over 0.5m (4A0)
L05865	05884	513	4E1		85% SULPHIDES - ALL PY. 587.8 - 588.4 PYRITE SAND.
L05884	15934	514	4G0		TOTAL SULPHIDES - BANDO & DISSEM 30% - PY, - < 5% F.G. BEIGE DISSEM. - HONEY SPH? - CALC. ~ 60% BaSO4
L15934	15948	515	4E1		< 20% siliceous mottles; honey coloured spl.
L15948	15977	516	4A0		splasy red-brown sph; ~ 50-60% total sdes; ~ 30% arg + graph; ~ 20% qtzite; ~ 20% Pb + Zn over interval
L15977	15993	517	4G1		~ 10-15% BaSO4; ~ 20% siliceous frags
L15993	16010	518	4C0		~ 20% banded massive & diss. sdes (py) minor 4A0
L16010	16046	519	4G1		~ 10-15% BaSO4; ~ 20% siliceous frags and bands; minor chloritic interbands associated with splasy red-brown sph; note slightly calcareous.

Lithologic Log

Logged By: DJH

Code	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
L	161019	6	161015	1	610	51F19			~20% siliceous bands with splashy red -brown sph
L	161015	1	161076	6	611	4D16			< 2% BaSO ₄ ; ~50-70% banded massive and minor diss. sde (py > sph > gal)
L	161076	6	161085	5	612	4A11			40-50% sdes; 20% arg + graph; 30% qtzite
L	161085	5	161113	3	613	4D10			gradational cts over 0.5 m; 30-50% total sdes; minor arg + graph @ beginning of int; minor phyllitic frags; 15 cm band of chloritic phy
L	161113	3	161121	1	614	4E6			~10% BaSO ₄ ; slightly calcareous → 4E61
L	161121	1	161148	8	615	5B14			interlaminated white mica & qtzite; minor po bands @ beginning of int; minor sph concentrations;
L	161148	8	161177	7	616	5B16			chl. clotted - non-calc. chl. musc phyllite w/ interbanded po qtzites
L	161177	7	161210	3	617	4B10			minor po & sph associated w/ bull qtz; minor chl. musc phy bands
L	161210	3	161425	5	618	5B7			60% tuffaceous SB w/ 40% SD3 interbands → mod calcareous.
L	161425	5	161511	6	619	5D13			minor interbanded py qtzites; lower ct. gradational over 1.5 m.
L	161511	6	161640	0	710	5B16			w/ ~40% interbanded SB0; → 5B62 locally
L	161640	0	161664	4	711	5D13			< 20% interbanded SB0
L	161664	4	161679	9	712	5G13			minor SB6 @ beginning of interval.
L	161679	9	161699	9	713	5D13			
L	161699	9	161717	7	714	5G13			variably calcareous; 40 cm of SB6 @ beginning of interval
L	161717	7	161754	4	715	5B10			→ 5B02 or 5B07; variably calcareous, generally moderate.
L	161754	4	161834	4	716	5D13			minor po qtzite interbands; < 10% SB0 interbands.
L	161834	4	161922	2	717	5B10			→ 5B02 locally; variably calcareous but generally weak → mod; < 10% SD3 interbands towards end of int

Code	From		To		Feature	E S ₁	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
	1	2	3	4	5	6	7	8	9	10	
S			23	4	CS,2			70	18.5		22.9 - 100.0 m = S region
S			30	8	CS,2			73	18.5		
S			38	2	CS,2			64	18.5		
S			45	1	CS,2			72	18.5		
S			51	1	CS,2			74	18.5		
S			55	6	CS,2			79	18.5		
S			61	1	CS,2			73	18.5		
S			67	2	CS,2			77	18.5		
S			74	2	CS,2			80	18.5		
S			79	8	CS,2			81	18.5		
S			81	4	CS,2			75	18.5		
S			90	6	CS,2			58	18.5		
S			94	9	CS,2			78	18.5		
S			100	0	F2Σ						100.0 - 107.7 m = Z region
S			100	9	CS,2			74	18.5		
S			107	5	CS,2			71	18.5		
S			107	7	F23						107.7 - 123.1 m = S region
S			111	3	7 CS,2			81	18.5		
S			111	8	4 CS,2			78	18.5		
S			123	1	F2Σ						123.1 - 129.3 m = Z region
S			123	6	CS,2			78	18.5		
S			128	4	CS,2			75	18.5		
S			129	3	F23						129.3 - 165.9 m = S region
S			135	6	CS,2			78	18.5		
S			142	3	CS,2			56	18.5		
S			147	3	CS,2			68	18.5		
S			151	8	CS,2			69	18.5		
S			158	2	CS,2			65	18.5		
S			163	7	CS,2			80	18.5		
S			165	9	F2Σ						165.9 - 171.9 m = Z region
S			170	9	CS,2			82	18.5		
S			171	9	F23						171.9 - 190.6 m = S region
S			174	8	CS,2			85	18.5		
S			180	2	CS,2			86	18.5		
S			186	0	CS,2			78	18.5		
S			190	6	F2Σ						190.6 - 195.5 m = Z region

Core Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14	16	20			32	34	
S			1928		CS2		77	185	
S			1955		F23				195.5 - 204.8 M = S region
S			1980		CS2		78	185	
S			2045		CS2		83	185	
S			2048		F2E				204.8 - 215.2 M = Z region
S			2103		CS2		83	185	
S			2152		F23				215.2 - 220.9 M = S region
S			2163		CS2		84	185	
S			2209		F2E				
S			2218		CS2		78	185	220.9 - 230.2 M = Z region
S			2284		CS2		81	185	
S			2324		CS2		79	185	
S			2362		F23				230.2 - 267.2 M = S region
S			2383		CS2		74	185	
S			2432		CS2		80	185	
S			2476		CS2		67	185	
S			2554		CS2		81	185	
S			2618		CS2		82	185	
S			2667		CS2		80	185	
S			2672		F2E				267.2 - 272.6 M = Z region
S			2713		CS2		77	185	
S			2726		F23				272.6 - 377.0 M = S region
S			2789		CS2		73	185	
S			2839		CS2		90	185	
S			2914		CS2		90	185	
S			2967		CS2		72	185	
S			3001		CS2		86	185	
S			3066		CS2		82	185	
S			3120		CS2		90	185	
S			3191		CS2		78	185	
S			3247		CS2		66	185	
S			3309		CS2		74	185	
S			3374		CS2		75	185	
S			3714		CS2		82	185	No sym 337.6 m - 370.4 m
S			3767		CS2		83	185	sill
S			3770		F2E				377.0 - 379.9 m = Z region

Structural Log

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
	10	14	16	20	22	24	26	28	32	34	38
S			3786		CIS2				78	185	
S			3799		FR3						S Region 379.9 - 400.3 m
S			3837		CIS2				85	185	
S			3881		CIS2				77	185	
S			3945		CIS2				90	185	
S			3984		CIS2				78	185	
S			4003		FR E						Z Region 400.3 - 406.0 m
S			4044		CIS2				86	185	
S			4060		FR3						S Region 406.0 - 429.1 m
S			4109		CIS2				80	185	
S			4156		CIS2				68	185	
S			4221		CIS2				68	185	
S			4264		CIS2				76	185	
S			4291		FR E						Z Region 429.1 - 439.7 m
S			4322		CIS2				75	185	
S			4378		CIS2				90	185	
S			4397		FR3						Z Region 439.7 - 442.4
S			4405		CIS2				80	185	
S			4424		FR3						Z
S			4446		CIS2				64	185	S Region 442.4 - 454.3 m
S			4508		CIS2				73	185	
S			4543		FR E						Z Region 454.3 - 465.0 m
S			4559		CIS2				67	185	
S			4620		CIS2				69	185	
S			4650		FR3						S Region 465.0 - 477.2 m
S			4682		CIS2				72	185	
S			4740		CIS2				76	185	
S			4772		FR M						M region 477.2 - 482.0 m
S			4785		CIS2				84	185	
S			4820		FR M						S Region 482.0 - 506.9 m
S			4835		CIS2				77	185	
S			4895		CIS2				87	185	
S			4955		CIS2				82	185	
S			5010		CIS2				62	185	
S			5055		CIS2				73	185	
S			5069		FR E						Z Region 506.9 - 518.0 m

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description	
	10	14	16	20			22	24		26
S			5.413		CS12		82	185	Z region from 538.2 to 550.1m	
S			5.475		CS12		79	185	Approaching M. (lots of M symmetry)	
S			5.501		IF23					
S			5.523		CS12		79	185	S region 550.1 - 552.5	
S			5.525		IF2E					
S			5.571		CS12		77	185	Z region 552.5 to 566.1	
S			5.633		CS12		83	185		
S			5.661		IF23				S region 566.1 to 568.9	
S			5.675		CS12		69	185		
S			5.689		IF2E				Z region 568.9 to 570.9	
S			5.699		CS12		69	185		
S			5.709		IF23				S region 570.9 - 574.9	
S			5.735		CS12		55	185		
S			5.749		IF2E				Z region 574.9 to 582.9	
S			5.794		CS12		75	185		
S			5.829		IF23				S region 582.9 ^m to 649.5 ^m	
S			5.840		PS12		78	185		
S			5.905		PS12		41	185	S ₀ S ₁ S ₂ ?	
S			5.970		PS12		77	185		
S			6.007		PS12		68	185		
S			6.053		PS12		68	185		
S			6.114		PS12		63	185		
S			6.172		CS12		75	185		
S			6.236		CS12		87	185		
S			6.297		CS12		70	185		
S			6.357		CS12		72	185		
S			6.410		CS12		71	185		
S			6.450		CS12		68	185		
S			6.495		IF2E				Z region 649.5 to 663.1 m	
S			6.510		CS12		75	185		
S			6.571		CS12		70	185		
S			6.617		CS12		71	185		
S			6.637		IF23				S region 663.1 - 671.2 m	
S			6.678		CS12		75	185		
S			6.712		IF2E				Z region 671.2 - 677.2 m	
S			6.717		PS12					

Code	From			To			Sample No.	Description	
	10	14	16	20	22	27		unit	width
P	1541	3	15413	3	121612	19		2.0	
	15413	3	15415	3	121613	10		2.0	
	15415	3	15417	3	121613	11		2.0	
	15417	3	15419	3	121613	12		2.0	
	15419	3	15510	8	121613	13		1.5	
	15510	8	15512	2	121613	14		1.4	
	15517	1	15519	1	121613	15		2.0	
	15519	1	15611	1	121613	16		2.0	
	15716	6	15718	1	121613	17		1.5	
	15718	1	15719	5	121613	18		1.4	
	15813	7	15814	7	121613	19		1.0	
	15814	7	15816	5	121614	10		1.8	
	15816	5	15818	4	121614	11		1.9	
	15818	4	15910	4	121614	12		2.0	
	15910	4	15912	4	121614	13		2.0	
	15912	4	15913	4	121614	14		1.0	
	15913	4	15914	8	121614	15		1.4	
	15914	8	15916	8	121614	16		2.0	
	15916	8	15917	7	121614	17		0.9	
	15917	7	15919	3	121614	18		1.6	
	15919	3	16101	3	121614	19		2.0	
	16101	3	16103	3	121615	10		2.0	
	16103	3	16104	6	121615	11		1.3	
	16104	6	16106	6	121615	12		2.0	
	16106	6	16108	5	121615	13		1.9	
	16108	5	16110	5	121615	14		2.0	
	16110	5	16112	1	121615	15		1.6	
	16112	1	16113	1	121615	16		1.0	

77-X-07

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77X-07

Fabric Orientation Diagram:

Project: DY

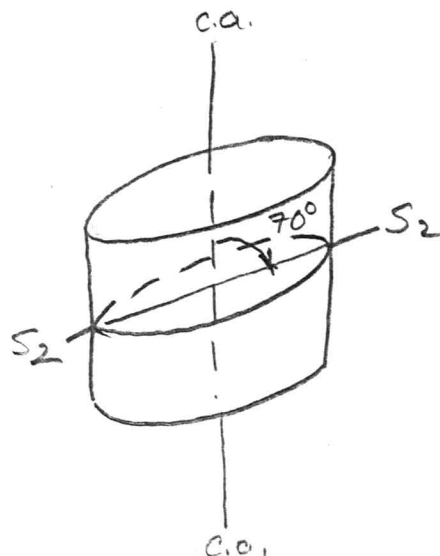
Location: Sheet F-6 ; Vangorda Plateau

Claim: DY 41

Terr. Plane Co-ords.: 22,647797.1 N

322130.2 E

KA Grid Co-ords.: L 156E , 36+00N



All symmetry determinations looking

Elevation: 1015.57
~~1016.57~~ (3335.2 ft) MSL

W with S2 dipping

S with dip azimuth 185°.

Total Depth: 492.2 M

Purpose: DY Deposit Extension

Logged by: DJH/DST Date(s) Logged: _____

Drilling Contractor: Arctic Core: Size From To Collar Cased and Capped: No

Started: _____ Completed: _____

note subtract 10'⁸ from 1316-886 incl
 " 20' from 906-1615 incl

Lithologic Log

Logged By: _____

Code	From (m)		To (m)		Unit	Code	Description	
	10	14	16	20	22	23		25
L	11010	0	11017	3	11	11	#	0/B - cored granitic boulders.
L	11017	3	111313	1	12	5B10		rusty weathering laminations to 115.1 M
L	111313	1	111318	4	13	5D16		w/ ~ 20% interbanded 5C6
L	111318	4	111411	1	14	5B16		→ 5B62
L	111411	1	111411	4	15	5C16		
L	111411	4	111416	2	16	5B16		→ 5B62 ; as unit 4
L	111416	2	111417	8	17	5D16		
L	111417	8	111611	8	18	5B10		Fe Mg CO ₃ ⁼ bearing
L	111611	8	111713	0	19	5B12		calcareous
L	111713	0	111713	3	10	5D13		
L	111713	3	111910	5	11	5B10		→ 5B02
L	111910	5	121013	9	12	5B10		~ 20% 5D3
L	121013	9	121016	7	13	5B10		Fe Mg CO ₃ ⁼ bearing
L	121016	7	12312	9	14	5B10		
L	121312	9	121316	4	15	5B10		Fe Mg CO ₃ ⁼ bearing.
L	121316	4	121416	7	16	5B10		
L	121416	7	121611	1	17	5D18		~ 15% 5B0 interbanded
L	121611	1	121618	2	18	5D13		
L	121618	2	121619	3	19	5D14		→ 5D46
L	121619	3	121710	8	20	5C13		weakly calc
L	121710	8	121819	0	21	5D13		
L	121819	0	121913	8	22	5D13		Fe Mg CO ₃ ⁼ bearing
L	121913	8	121917	0	23	5D14		→ 5D43 ; Fe Mg CO ₃ ⁼ bearing
L	121917	0	131017	1	24	5D13		strongly calc
L	131017	1	131110	3	25	5D16		
L	131110	3	131210	0	26	5D13		
L	131210	0	131213	4	27	5D13		brecciated ; 1054-1060 minor 10E8
	111		111		11	11		possibly causing brecciation.
L	131213	4	131219	6	28	5D13		
L	131219	6	131312	5	29	5B12		minor tuff interbands
L	131312	5	131315	6	30	5D13		
L	131315	6	131318	6	31	5B10		Fe Mg CO ₃ ⁼ bearing
L	131318	6	131319	1	32	5D16		
L	131319	1	131410	8	33	5B16		→ 5B62
L	131410	8	131411	5	34	5A1*		"marker"
L	131411	5	131413	8	35	5B16		→ 5B62.

Core Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description	
	10	14	16	20			32	34		38
S			1109	7	CIS2	010	1815	65	1815	S region 350-402'
S			1118	9	CIS2			810	1815	
S			1122	5	FR2E					Z region 402-412'
S			1124	0	CIS2			710	1815	
S			1125	6	FR23					S region 412-541
S			1135	0	CIS2			510	1815	
S			1144	5	CIS2			615	1815	
S			1153	9	CIS2			710	1815	
S			1163	4	CIS2			710	1815	
S			1164	9	CFR2E					Z Region 541-564.5
S			1168	8	CIS2			710	1815	
S			1171	21	FR23					S Region 564.5-670.0
S			1175	7	CIS2			710	1815	
S			1182	9	CIS2			810	1815	
S			1191	08	CIS2			715	1815	
S			1200	01	CIS2			710	1815	
S			1201	42	FR2E					Z Region 670-685
S			1205	7	CIS2			815	1815	
S			1208	8	FR23					S Region 685-1031
S			1215	5	CIS2			810	1815	(a few short Z regions
S			1224	0	CIS2			615	1815	- < 5')
S			1231	6	CIS2			715	1815	
S			1241	8	CIS2			910	1815	
S			1251	8	CIS2			715	1815	
S			1261	3	CIS2			510	1815	
S			1267	6	CIS2			715	1815	
S			1278	9	CIS2			610	1815	
S			1289	2	CIS2			610	1815	
S			1298	1	CIS2			810	1815	
S			1301	46	CIS2			810	1815	
S			1314	2	FR2E					Z region 1031-1037.5
S			1311	48	CIS2			810	1815	
S			3162		FR23					S region 1037.5-1079
S			1311	88	CIS2			910	1815	
S			1324	3	CIS2			810	1815	
S			1328	9	FR2E					Z region 1079-1087

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
S			330	1	CIS2			65	185		
S			331	3	FRS						S Region 1087-1117
S			334	6	CIS2			70	185		
S			340	1	FRS			80	185		
S			340	4	FRS						PS2 1117-1175
S			345	6	PIS2			60	185		
S			354	2	PIS2			65	185		
S			358	1	FRS			70	185		S Region 1175-1189.5
S			362	5	FRS						
											Int 1189.5 - 1253.5
S			381	0	FRS			65	185		S Region 1253.5-1330.0
S			389	2	CIS2			55	185		
S			397	7	CIS2			85	185		
S			405	4	FRS			65	185		PS2 1330.0 - 1386.0
S			409	6	PIS2			70	185		
S			417	6	PIS2			50	185		
S			421	2	PIS2			65	185		
S			422	4	FRS						S Region 1386-1411
S			426	7	CIS2			80	185		
S			430	1	FRS						PS2 1411 - 1615
S			434	9	PIS2			85	185		
S			441	0	PIS2			70	185		
S			448	3	PIS2			80	185		4 th phase folds prevalent
S			451	4	PIS2			35	0105		1471-1487'; S4@60/185
S			459	6	PIS2			70	185		
S			465	4	PIS2			60	0105		S4 65/185
S			473	3	PIS2			70	185		
S			480	3	PIS2			75	185		
S			489	2	PIS2			75	185		

77-X-08

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77X-08

Fabric Orientation Diagram:

Project: DY

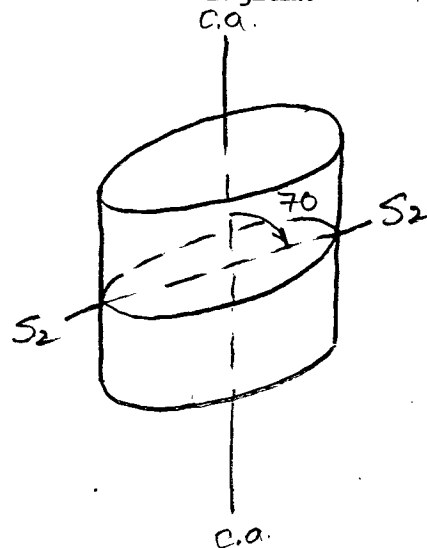
Location: Sheet F-6; Vangorda Plateau

Claim: DY 43

Terr. Plane Co-ords.: 22,649,255.6 N

320,599.4 E

KA Grid Co-ords.: L 136 E, 36+00N



All symmetry determinations looking

W with S2 dipping

Elevation: 1047.2M (3463ft) MSL S with dip azimuth 185°.

Total Depth: 991.2 M.

Purpose: DY Deposit Extension (Cross Section)

Logged by: DSJ/DJH/JPF Date(s) Logged:

Drilling Contractor: Arctic Core: Size From To Collar Cased and Capped: Yes

Started: Completed:

Code	From	To	Unit	Code	Description
	14 16	20 22 23 25 27			
L	1100	1463	11	#	o/B - triconed - no core
L	1463	1529	12	51B16	
L	1529	1622	13	51D13	
L	1622	1642	14	51B16	
L	1642	1696	15	51D13	
L	1696	1709	16	51B16	
L	1709	1722	17	51C10	→ 5CD3
L	1722	1741	18	51B10	
L	1741	1760	19	51D13	
L	1760	1820	10	51B16	
L	1820	11024	11	51B10	5D3 from 90.5-90.8m; weakly calc
L	11024	11225	12	51B17	→ 5B70
L	11225	11262	13	51D13	
L	1262	1297	14	580	
L	11297	11335	15	51B17	moderately calc
L	1335	1530	16	580	
L	11530	11759	17	01F19	- fresh 154.5-157.9m; unit similar to OFO
					@ mine + similar to dyke in 77-X-07;
					qtz ^{only} weakly smoky, K-spar phenos 1/4-3/4"
					part of Dixon Creek dyke swarm;
					upper ct 35° to c.a. @ 185 D.D. (discordant)
					; lower ct attitude not possible to determine
L	11759	11818	18	51B10	
L	11818	11823	19	51D13	
L	11823	11838	20	51B10	
L	11838	11859	21	51D13	
L	11859	12112	22	51B10	
L	12112	12132	23	51D13	
L	12132	12139	24	51B10	
L	12139	12426	25	51B10	Fe Mg; heavily brecciated + gouged;
					~ 10" core rec. over int.
L	12426	12510	26	51B10	Fe Mg CO ₃
L	12510	12618	27	51B10	
L	12618	12697	28	51E10	
L	12697	12710	29	51B10	
L	12710	12714	30	01E17	?; finely xtline, light grey green, porphyritic
					int. probably related to diorite clan
L	12714	12717	31	51B10	(ct. angles indeterminate) ⁵

Lithologic Log

Logged By: DSJ/DJH

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23 25 27			
L	12171 7	12172 8	312	01E17	as unit 30; cts sub // S ₂ (i.e. sills)
L	12172 8	12173 7	313	51B10	
L	12173 7	12174 2	314	01E17	as units 30, 32; cts sub // S ₂
L	12174 2	12188 6	315	51B10	
L	12188 6	12189 3	316	51B10	gouge; ct angles indeterminate
L	12189 3	13110 3	317	51B10	
L	13110 3	13110 6	318	51D13	
L	13110 6	13118 4	319	51B10	- minor gouge + breccia sub // S ₂ from 312.7 to 313.6 m
L	13118 4	13119 6	410	51B16	brecciated 319.1 - 319.6 m
L	13119 6	13210 0	411	01E17	cts ≈ 45° to C.A (i.e. sill)
L	13210 0	13158 4	412	51B17	→ 5B70
L	13158 4	13164 4	413	51B17	→ 5B72 incipiently brecciated
L	13164 4	13164 6	414	41A10	
L	13164 6	13168 4	415	51D13	
L	13168 4	13169 9	416	51B12	→ 5A0 locally w/ ~ 10% 5D3 interbands
L	13169 9	13170 8	417	51D13	w/ ~ 10% 5B2 → 5A0 interbands.
L	13170 8	13172 6	418	51B12	→ 5A0
L	13172 6	13177 2	419	51B17	
L	13177 2	13177 6	510	51D13	
L	13177 6	13178 0	511	41A10	
L	13178 0	13178 4	512	41A10	interbanded 4D0 + 5D3 (50:50)
L	13178 4	13179 0	513	41A10	
L	13179 0	13179 6	514	41A10	as above unit 52
L	13179 6	13184 4	515	51D13	
L	13184 4	13189 2	516	51B17	→ 5B70
L	13189 2	13190 4	517	51D13	
L	13190 4	14116 7	518	51D13	monotonous interbanded sequence on scale of 6" to 3'
L	14116 7	14129 3	519	51D13	→ 5DB2 as above except 5B interbands carb → graph
L	14129 3	14131 0	610	51D13	
L	14131 0	14132 2	611	51B17	
L	14132 2	14133 3	612	51D13	
L	14133 3	14136 6	613	51B17	

Code	From	To	Unit	Code	Description
I	10 14 16	20 22 23 25 27			
L	143166	143175	64	5D13	
L	143175	143197	65	5B17	
L	143197	144118	66	5D13	
L	144118	144400	67	5B17	→ 5B72
L	144400	144566	68	5D13	
L	144566	144744	69	5B17	
L	144744	144900	70	5D13	
L	144900	145377	71	5B12	→ SAO w/ ~10% SD3 interbands.
L	145377	145633	72	5D13	
L	145633	147344	73	5B12	65% SB2 ; 35% SD3 interbanded.
L	147344	147537	74	5B16	
L	147537	148257	75	5D13	
L	148257	149657	76	5B16	
L	149657	150433	77	5D13	
L	150433	150844	78	5B16	X
L	150844	151011	79	5D13	
L	151011	151121	80	5B16	
L	151121	151566	81	5D13	1" 4L0 @ 543.3m.
L	151566	151605	82	5B17	
L	151605	151621	83	5D13	
L	151621	157466	84	5B17	
L	157466	157978	85	5D13	SOME INTERBANDS UNIT 86. — 0.5' → 1.0'
L	157978	158118	86	5D1	• DISTINCTIVE TUFF HORIZON — 10 TO 80% 1-2MM
					WHITE FELD CLASTS (TO AUGEN) IN A MOTTLED TO
					WHISKEY D. GREEN CHL MATRIX. — SOME FINE GRAINED
					FELDSPATHIC MATRIX ALSO. << 1% DISSEM PO. WEAK
					TO NON CALL. (4L?)
L	158118	158611	87	5D13	
L	158611	158698	88	5B17	
L	158698	158833	89	5D13	
L	158833	159044	90	5D1	AS UNIT 86. CLAST & CHL RICH ZONES.
L	159044	159257	91	5D13	
L	159257	159733	92	5B2	• < 1% Po LAMINATIONS.
L	159733	159800	93	5D13	• 70% SD3 WITH 30% SB2 INTERBANDS.
					L 1% Po LAMINATIONS IN SD3
L	159800	159859	94	0, Q, D	BULL GR.

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↓

Code	From	To	Unit	Code	Description
1	10	14 16	20	22, 23 25 27	
L	15985	15995	95	5D1	• CALC. GRUITY FELDSPATHIC TUFF - SOME FELDSPATHIC LAMINATIONS & WHISPY CALC ZONES. LL 1% DISSEM PO.
L	15995	16029	96	5D3	
L	16029	16085	97	5D1	WEAK CALC. INTERBANDED. UNIT 95 > 96 > 86
L	16085	16100	98	5D1	AS UNIT 86.
L	16100	16153	99	5D3	
L	16153	16171	01	5B7	5B76
L	16171	16203	02	5D3	
L	16203	16214	03	5B7	5B76
L	16214	16223	04	5D3	
L	16223	16240	05	5B7	5B76
L	16240	16252	06	5D3	
L	16252	16312	07	5D1	GRUITY (1MM) VARIABLY LAMINATED FELD. TUFF. FELD. FRAGMENTS = DISRUPTED BANDING? UPPER HALF INTERBANDED IS NONCALC. - LOWER HALF IS CALC. AS UNITS 86 & 95.
L	16312	16344	08	5D3	< 1% PO BANDS
L	16344	16361	09	5B7	5B76LL < 1% PO BANDS. ✓
L	16361	16410	10	5D3	< 1% PO BANDS
L	16410	16440	11	5B7	" 40% 5D3 & 60% 5B7 INTERBANDED.
L	16440	16466	12	5D3	"
L	16466	16473	13	5B7	< 1% PO BANDS 5B76LL
L	16473	16616	14	5D3	• 20% 5B7 BANDS. < 1% PO BLENDS & LAMINATIONS SCATT THROUGHOUT INTERVAL. SOME ZONES LACKING MRBL LAMINATIONS
L	16616	16680	15	5D1	FELD. TUFF WITH 15% WHISPY CALC PART. WEAK CALC.
L	16680	16794	16	5B7	5B76
L	16794	16807	17	5D1	CALC FELD GRUITY TUFF - WHISPY CALC 25% - LITTONS. AS UNIT #5.
L	16807	16976	18	5D3	TO 5D6 INTERBANDED AS WELL AS SOME GRUITY TUFF. BANDS. 2261 - 1' ZONES 5B7-2 WITH PO.
L	16976	17068	19	5B7	5B76LL
L	17068	17078	20	5D3	

↑
36?

Code	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L	17078	17372	17372	21	5B7			< 1% Po BLEBS & LAMIN. SCATT. THROUGHOUT INTERVAL 5B76
L	17372	17459	22	5D13				UPPER 1/3 INTERVAL 5D6. SOME GRITTY TUFF BANDS.
L	17459	17689	23	5B7				5B76. INCREASING TUFF TOWARD END INTERVAL.
L	17689	17739	24	5D13				WHOLEY CHL PARTINGS - STRONG MRAL LAMIN.
L	17739	17756	25	5B7				5B76
L	17756	17761	26	5D13				AS UNIT 24.
L	17761	17807	27	5B7				5B76
L	17807	17818	28	5D13				AS UNIT 24. GRAD. UPPER 1/2 LOWER CT.
L	17818	17880	29	5B7				5B76.
L	17880	17900	30	5D3				AS UNIT 24. " " " 0.1M. ←
L	17900	18803	31	5B7				5B76.
L	18803	18810	32	5D13				TALCOSE (GOUGEY)
L	18810	18855	33	5A3				SPOTTY Py-Po DISSEM ON GRAPHITIC PARTINGS.
								LOCALLY TO 5B2. 10CM 5D CAEST? - NOT MARKER
L	18855	18856	34	5E2				Dk. gray to black
L	18856	18865	35	5B7				5B76? DECREASING TUFF TO END INTERVAL - Δ'D
L	18865	18873	36	5D16				? CONTACT METAMORPHISM f. metasomatism. ✓
L	18873	18901	37	0G10				Upper contact 40, 275° like Gray-green AMPHIBOLITE GROUNDWATERS - HALOED PORPH.?
L	18901	19005	38	0G10				GREY, F.G. EQUIGRANULAR 10% FX PORPH. & LESS COMMON HALOED FELD PORPH. (porphyritic chill zone border phase)
								INTRUSIVE; fig. "microclitic" pyroxenite (border phase)
								1900.2 → 202.4 GRADATIONAL LOWER CT.
L	19005	19398	39	0G10				Dk. gray green, med. x-line gabbro to pyroxenite; core of dike; excellent "gabbroic" texture shown over the interval of cse. incl. pyroxene, plumes, and zoned porphyritic to microclitic gray plag xls; 50:50 plag:pyrox gabbroic composition; units 37, 38 are "chilled" border of dike; massive "syringitized" black slickensides 30-60° to c.a.; dike appears post-D ₂ in age i.e. no apparent fabric
L	19398	19512	40	0G10				as unit 38; porphyritic chill zone
L	19512	19545	41	0G10				as unit 37; " " " " w/ weak
								< 5% devel. of plag plumes; sharp contact 65° to c.a. w/ 0G0-0G6 of unit 42 ⇒ 42 older than 37-41

Code	From	To	Unit	Code	Description	
1	10	14	16	20	22 23 25 27	
L	19544	19576	42	01CG	→ OCO c.f. gty. monz. dikes of Dixon Ck swarm; would appear from chilled contact of unit 41 against OCG of unit 42 that 42 is older & was solidified & cool when units 37-41 were intruded; at 957.6 OCG grades into fairly coarsely x-lined, very siliceous pegmatite characterized by "wrappy" off-white plag phenos & clots in lt. gray gty; unit 42 mod. strongly foliated @ 45° to c.a. over interval; unit 41 unfoliated	
L	19576	19594	43	01CO	coarsely x-lined, siliceous peg. w/ wrappy off-white plag phenos & clots in gray gty matrix; suggestion of wk. fol. ≈ 45° to c.a.; best guess is 43 is late stage differentials of 42 w/ 42 & 43 intruded by 37-41; lower contact of intrusive plg 70° 185 sub 11 to S ₂ ⇒ 42+43 = sill (OCO) intruded by OGO like 37-41	
L	19594	19627	44	3D8	lower 0.8 m banded by OCO sill of unit 45	
L	19627	19670	45	01CG	sill; upper contact indeter. because of bxia, lower contact 70, 185°	
L	19670	19675	46	3D8		
L	19675	19689	47	01CO	pegmatitic; upper contact indeter.; lower contact ≈ 45, 185 cross-cutting S ₂ ⇒ like	
L	19689	19700	48	3D14		
L	19700	19712	49	01CO	pegmatitic, as unit 47; upper contact 40, 185 lower contact 30, 185 ⇒ sill	
L	19712	19751	50	3D8		
L	19751	19753	51	01E8	contact 3 is indeter.	
L	19753	19772	52	3D14		
L	19772	19776	53	3D14	w/ 75% foliaform po i.c. nearly mass. po. band in 3D4 11 S ₂	
L	19776	19778	53	3D14		
L	19778	19780	54	01CO	dike w/ banded, metasomatic halo making contact 45 impossible	
L	19780	19791	53	3D14		
L	19791	19811	54	01CO	sill; upper & lower contacts 55, 185°	
L	19811	19814	55	3D14		

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			1300		PS2S				80	185	S REGION 129.1 → 130.6
S			1306		FS2E						
											Z REGION 130.6 → 132.0
S			1320		FS2E						
S			1362		PS2S				77	185	S REGION 132.0 → 149.1
S			1406		PS2S				70	185	Z AT 142 → 142.5
S			1454		PS2S				75	185	" " 140.6 → 141.1
S			1491		FS2E				77	185	
											Z REGION 149.1 → 149.9
S			1499		FS2E						
S			1525		PS2S				79	185	S REGION 149.9 → 153.0
											153.0 → 175.9 INTRUSIVE CND SYMMETRY
S			1767		PS2E				85	185	Z REGION 175.9 → 178.6
S			1786		FS2E						
S			1824		PS2S				75	185	S REGION 178.6 → 239.0
S			1885		PS2S				77	185	Z AT 187.0
S			1944		PS2S				86	185	188.5
S			2010		PS2S				80	185	195.0
S			2066		PS2S				83	185	200.7 → 201.4
S			2111		PS2S				83	185	
S			2154		PS2S				77	185	
S			2196		PS2S				73	185	
S			2246		PS2S				73	185	

Structural Log

Logged By: _____

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description	
	10	14	16	20			22	24		26
S			22191		PS2S			81	185	
S			2341		PS2S			65	185	
			2389		PS2S			78	185	
S			2390		F2Z					
S			2443		PS2Z			78	185	Z REGION 239.0-252.8
S			2506		PS2Z			75	185	
S					F2Z					
										S REGION 252.8-278.3
S			2544		PS2S			76	185	258.8 - 259.4 = Z
S			2597		PS2S			76	185	266.1 → 267.1 = Z
S			2640		PS2S			75	185	STEEP S2 275.0 → 278.3
S			2682		PS2S			80	185	
S			2730		PS2S			77	185	
S			2775		PS2S			05	185	
S			2783		F2Z				185	
										Z REGION 278.3-279.7
S			2797		F2Z					
S			2825		PS2			79	185	S REGION 279.7-315.9
S			2872		PS2			83	185	312.8 → 313.4 GULLY ZONE
S			2923		PS2			80	185	
S			2977		PS2			83	185	
S			3033		PS2			75	185	
S			3087		PS2			72	185	
S			3142		PS2			80	185	
S			3159		F2Z					
										Z REGION 315.9-316.7
			3167		F2Z					
			3225		PS2S			75	185	S REGION 316.7-4412
			3272		PS2S			87	185	

Structural Log

332

Code	From				To				Feature	SYN	S ₁ Dip Direct.				S ₂ Dip Direct.				Description		
	10	14	16	20	22	24	26	28			32	34	38	LOCAL Z			LOCAL END			LOCAL HOR	
S					1331	1			PS2					78	185			357.2	349.4	342.2	
S					1336	3			PS2					65	185			352.7	321.3	341.	
S					1341	0			PS2					90	185			351.1	314.2	296.6	
S					1346	2			PS2					73	185			304.2	308.7	295.6	
S					1350	7			PS2					80	185			316.8	285.4 - 286.4		
S					1355	7			PS2					80	185						
S					1359	0			PS2					55	185			361 → 365.0	FINELY ΔD ZONE		
S					1365	5			PS2					73	185						
S					1371	2			PS2					70	185						
S					1374	0			PS2					65	185						
S					1378	6			PS2					50	185						
S					1382	5			PS2					70	185						
S					1386	5			PS2					70	185			392.5 Z			
S					1391	8			PS2					70	185			394.7 Z			
S					1396	3			PS2					80	185			396.6 INDETERMINATE.			
S					1400	2			PS2					82	185						
S					1405	4			PS2					70	185			407.5 INDETERMINATE			
S					1410	9			PS2					80	185						
S					1415	4			PS2					73	185						
S					1421	0			PS2					68	185			GOUGE 426.5			
S					1426	4			PS2					82	185			GOUGE 428.5 - 429.2			
S					1430	4			PS2					87	185			424.6 LOCAL Z			
S					1435	4			PS2					86	185			432.0 " "			
S					1440	6			PS2					82	185						
S					1441	2			FRZ									Z REGION 441.2 → 4420			
S					1442	0			FRZ												
S					1445	5								72	185			S REGION 442.0 - 455.1			
S					1451	0								60	185						
S					1455	1			FRZ					87	185						
																		459.5 END HORIZ.			
																		Z REGION 455.1 - 457.5			

Structural Log

Logged By: _____

Code	From				To				Feature	S ₁ Dip Direct.	S ₂		Description
	10	14	16	20	22	24	26	28			32	34	
S				1575				1725			81	185	
S				4624				4625			79	185	S REGION 457.5 - 469.1
S				4675				4675			80	185	
S				4703				4725			60	185	M REGION 469.5 - 471.5 0.5M SHORT ALTERNATING ZONES OF S-Z SYMMETRY.
S				4732				4732			82	185	Z REGION 471.5 - 473.5
S				4810				4810			83	185	M REGION 473.5 - 481.7 SHORT LCM ALTERNATING ZONES OF S-Z SYMMETRY.
S				4855							74	185	S REGION 481.7 - 566.4
S				4910							78	185	Z @ 487.4
S				4950							85	185	Z @ 489.6
S				4997							83	185	
S				5060							88	185	
S				5110							85	185	
S				5166							80	185	
S				5227							79	185	Z @ 526.2
S				5294							80	185	
S				5325							86	185	
S				5371							85	185	Z @ 537.1
S				5420							85	185	Z @ 535.8
S				5478							77	185	Z @ 548.2
S				5521							80	185	
S				5567							80	185	
S				5629							75	185	
S				5660							75	185	

Structural Log

Logged By: _____

Code	From				To				Feature	SYR	S ₁ Dip Direct.				S ₂ Dip Direct.				Description
	10	14	16	20	22	24	26	28			32	34	38	32	34	38			
W				5664				FZ	Z										Z REGION 566.4 - 569.0
W				5690				FZ	Z										
S				5721				PS	S					77		185			S REGION 569.0 - 643.3
W				5770				PS	S					83		185			
W				5828				PS	S					76		185			-587.1 0.5M Z
S				5874				PS	S					72		185			-590.6 - 596.0 NUMEROUS SHORT λ
W				5935										86		185			S-Z FOLDS.
W				5978										65		185			-569 →
S				6026										82		185			SYMMETRY PETER. LIMITED TO
S				6087										77		185			3± PER BOX - TUFF 1/3 PSZ
S				6135										90		185			S >> Z.
S				6178										72		185			
S				6227										75		185			
W				6275										25		185			
S				6326										80		185			634.6 = Z
S				6390										73		185			637.3 = Z
S				6437										85		185			640.8 = Z
S				6433				FZ	S										Z ^{643.3} 643.3 - 645.6
S				6456				FZ	Z										
W				6483				PS	S					81		185			S REGION 645.6 - 666.6
S				6544				PS	S					70		185			
S				6600				PS	S					75		185			
W				6646				PS	S					70		185			
S				6666				FZ	Z										
S				6696				PS	Z					80		185			Z REGION 666.6 - 672.2
S				6722				FZ	Z										
S				6754				PS	Z					85		185			S REGION 672.2 - 705.9
S				6805				PS	Z					83		185			
S				6858				PS	Z					89		185			
S				6910				PS	Z					80		185			
S				6960				PS	Z					78		185			

Structural Log

Logged By: JPF

Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S				700.8	PS2				82	185	PS2 697.6 → 706.5
S				705.1	PS2				82	185	
S				706.5	F2E						
S											Z REGION 705.9 → 708.5
				708.5	F2Z						
											708.5 - 0.1M Gouge
S				710.2	PS2				80	185	S REGION 708.5 → 751.7
S				714.6	PS2				85	185	716.3 = Z
S				720.8	PS2				79	185	
S				725.9	PS2				86	185	
S				731.0	PS2				85	185	
S				736.6	PS2				85	185	STRONG PS2 725.6 → 753.9
S				740.2	PS2				74	185	§ TUFF - POOR SYMMETRY
S				745.9	PS2				74	185	
S				751.7	F2E						
S				751.9	PS2				83	185	Z REGION 751.7 - 755.3
				755.3	F2Z						
S				757.2	PS2				90	185	S REGION 755.3 -
S				763.5	PS2				86	185	782.6 → 1839.3 V. STRONG PS2
S				767.7	PS2				78	185	- SCATTERED INFREQUENT SYMMETRY
S				771.6	PS2				77	185	
S				775.7	PS2				68	185	
S				781.3	PS2				82	185	
S				786.7	PS2				60	185	
S				791.6	PS2				83	185	- 825.8 → 834.3 - 1 st § LAST APP. Δ'D
S				797.7	PS2				73	185	ZONE
S				803.8	PS2				68	185	- 825.8 → 829.6 - STRONG Δ'TION. - ELSEWHERE
S				809.7	PS2				75	185	- SEPARATED BY SBT BANDS CTB. Z//S2.
S				815.2	PS2				87	185	- ANGULAR FOLIATED CLASTS TUFF, SBT, QTZ
S				820.3	PS2				87	185	- ALSO FELD PORPH DIKE CLASTS. TRUNCATES
S				825.1	PS2				73	185	S1 FABRIC
S				831.1	PS2				73	185	

77-X-09

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77X-09

Fabric Orientation Diagram:

Project: DY

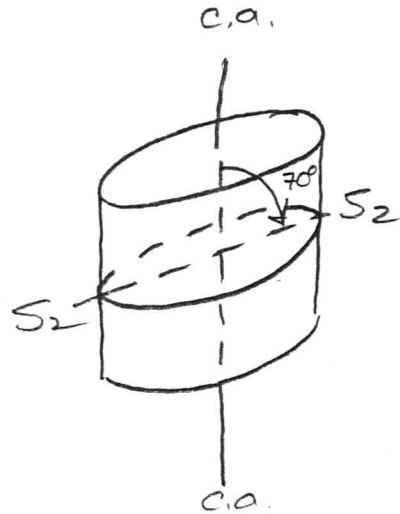
Location: Sheet F-6; Ungordu Plateau

Claim: DY 184

Terr. Plane Co-ords.: 22,647,560.7 N

320,246.5 E

KA Grid Co-ords.: L 144E, 20+00N



All symmetry determinations looking

W with S2 dipping

Elevation: 1081.4M (3548.0ft) MSL S with dip azimuth 185°.

Total Depth: 836.0M

Purpose: DY Deposit Extension (Cross Section)

Logged by: DJH/JPF/DSJ Date(s) Logged: _____

Drilling Contractor: Arctic Core: Size From To Collar Cased and Capped: No

Started: _____ Completed: _____

Lithologic Log

Logged By: JPF

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23 25 27			
L	00	133	01	#	0/B
L	133	1570	02	5B6	5B6 → 7 50% 5B6 - 50% 5B7 INTERBANDED. NON CALC. THROUGHOUT.
L	1570	1653	03	5B10	NORMAL - 30% 5B7 (NON CALC) INTERBANDED.
L	1653	1668	04	5B10	Δ'D ZONE. LOWER CT. TO 6° TO CORE AXIS.
L	1668	1713	05	5B10	
L	1713	1969	06	5B6	MUCH BROKEN CORE 77.2 → 90.5 - RECY OK 10-30 CM. BULL OR TO PERMATITE BANDS THROUGHOUT. CTS. DISCORDANT & APPROX 11 S2.
L	1969	11023	07	5D3	GONGE 100.8-101.8M ZONE 1152
L	11023	11047	08	5B6	AS UNIT 06.
L	11047	11103	09	5D3	CALCAREOUS (AS UNIT 07) WELL LAMINATED
L	11103	1251	10	5D3	CALCAREOUS. INTERBANDED UNIT 09 & 30% BANDS BANDS, POORLY LAMINATED D. GREEN F.G. TUFF
L	1251	1464	11	5B6	5B6-7 AS UNIT 02. NON CALC.
L	1464	1543	12	5D3	AS UNIT 09.
L	1543	11839	13	5D3	AS UNIT 10. CALC. THROUGHOUT.
L	11839	11952	14	5B7	5B7 → 6. AS UNIT 02. 35% 5B6. 184.4 DISSEM PY.
L	11952	12029	15	5D3	AS UNIT 012. CALC. THROUGHOUT.
L	12029	12110	16	5B6	
L	12110	14041	17	5B7	5B73 LOCALLY GRABBS TO 5D3.
L	14041	14278	18	5D0	GENERALLY POORLY LAMINATED, VARIABLY CALC, INTERBANDED D. BROWN GREEN F.G. TUFF & GRITTY GREEN YW TYPICAL TUFF. - 30% 5B7 INTERBANDED.
L	14278	14316	19	5D3	AS UNIT 015.
L	14316	14853	20	5B73	INTERLAMINATED & INTERBANDED F.G. CALC TUFF & GRITTY "SALT & PEPPER" TUFF. IMPRESSION IS THAT ALL COMPONENTS ARE Vx WHEREAS IN 5B7 THIS IS NOT THE CASE? DISTINCTIVE GRITTY TEXTURE NOT OBSERVED IN 5B7.
L	14853	14946	21	5B7	CALC. 5D3 (UNIT 20) INTERBANDED & LAM. 30%. LOSS OF GRITTY TEXTURE TOWARD END INTERVAL.

Lithologic Log

Logged By: JPF

Code	From			To			Unit	Code	Description
	10	14	16	20	22	23			
L	4946		4954		22	23	22	OC16	Upper contact approx 45, 005° dip like w/ S ₂ Y/W BROWN AMPHIBOLITE GROUNDMASS.
L	4954		4961		23	23	23	OC17	GRAD. U. CT. .02M. — 54B/52. LOWER CT INDETERM. GREY AMPHIBOLITE GROUNDMASS.
L	4961		5037		24	24	24	OC16	GENERALLY EQUIGRANULAR — UPPER 1/2 INTERVAL BEIGE; LOWER 1/2 Y/W GREEN.
L	5037		51101		25	25	25	OC17	UPPER CT @ 10° COKE AXIS. — IRREGULAR & GRAD. .01M. — DITTO LOWER CT. — INTERBANDS UNIT 24 IN UPPER 1/2.
L	51101		51151		26	26	26	OC16	BELGE (AS UNIT 24) w/ prom plag (zoned) phenos
L	51151		51184		27	27	27	OC17	AS UNIT 25.
L	51184		5215		28	28	28	OC16	AMPHIBOLITE. BELGE GROUNDMASS. GRAD. UPPER CT OVER .02M. — FLAT, DITTO LOWER CT.
L	5215		5238		29	29	29	OC17	AS UNIT 25. w/ well zoned plag
L	5238		5264		30	30	30	OC17	AS UNIT 23. LOWER CT. @ 2-30° TO C.A. (115°) <small>lower contact dip but asymmetrical in orientation due to post-D₂ folding</small>
L	5264		5347		31	31	31	5D3	CUTTING OIL! 30% SBT INTERBANDS.
L	5347		5444		32	32	32	5D3	MED → L. GREEN WHOLEY CAL LAMIN. 70% MINERAL LAMIN.
L	5444		5448		33	33	33	5A13	
L	5448		5459		34	34	34	5B12	CUTTING OIL!
L	5459		5464		35	35	35	5A3	SCATT Pb BLEBS.
L	5464		5481		36	36	36	5B10	
L	5505		5509		38	38	38	5B7	As Unit 32 SB73
L	5509		6191		39	39	39	5D3	AS UNIT 32. to 5B73 BULL OIL 582.7 → 583.8
L	6191		6198		40	40	40	5B7	5B76
L	6198		6221		41	41	41	5D3	AS UNIT 32. to 5B73
L	6221		6255		42	42	42	5B7	5B76. INFREQUENT Pb BLEBS.
L	6255		6541		43	43	43	4A0	4L interband 629.7-629.9 no Fe or Pb/Zn sulfides; est 6-8% comb. over interval dec. grade toward base; best section 625.5-649.0 ± — may be 7-9% comb.
L	6541		6547		44	44	44	4L1	w/ minor 4A0 interbands
L	6547		6552		45	45	45	4A0	< 3% est comb. Pb+Zn
L	6552		6555		46	46	46	4L1	calcareous w/ no Fe-Pb-Zn sulfides r.e.
L	6555		6563		47	47	47	4A0	buff bands in sulfates of 5D3
L	6563		6567		48	48	48	4LA	50:50 interbedded 4L+4A; 4L1 is calc. 4A0 bands 3-5% combined

Dixon K. A. Ke. Swarth

Lithologic Log

Core	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
L	16567		16589		49		4A10		est 2-3% comb. Pb+Zn
L	16589		16592		50		4B7		est 3-4% " " " ; v. minor (<1%) py
									relatively "clean", lt. med. gray, pyrochlotite
									base-metal (ZnS) sulfide bearing gts
L	16592		16598		51		5D6		non to v. weakly calc - FeMg?? - carb. bearing
									chlor. meta tuffs
L	16598		16629		52		5C16		metabasite "flow" in 5D tuffs
L	16629		16639		53		5D16		5D6 envelope around 5C
L	16639		16663		54		4A7		Ribbon banded graph gts w/ diss. po ϵ <1%
									PbS/ZnS; lith. ident to base metal bearing
									ribbon banded w/ po as only sulfide; ^{DO NOT} SPLIT
L	16663		16720		55		5B4		→ 5B469; "bleached" non-calc. gty-musc-po
									chlor. phyll.
L	16720		16779		56		5B7		→ 5B762; non-calc., sporadically carbonaceous
L	16779		16785		57		4A7		As unit 54; mineralizing process concurrent
									or interspersed w/ volcanism; no base metal
									sulfides to minor base-metal sulfides 2-2%
									comb. Pb+Zn; do not split
L	16785		16795		58		5C13		weakly calc.
L	16795		16804		59		5D13		v. calc.
L	16804		16809		60		4B7		lt. gray, non-pyritic musc gts w/ <1%
									comb. Pb+Zn; do not split
L	16809		16811		61		4A7		as units 54, 57
L	16811		16815		62		4B7		as unit 60 w/ minor chlor. tuff interbeds
L	16815		16837		63		5D3		var. calc.
L	16837		16913		64		4L10		Fe-sulf. bearing chlor?? musc tuffs to siliceous
									metaseds or gts; 4L c.A. 4B7 except
									much more chloritic suggesting tuffaceous origin
L	16913		16957		65		4L11		bleached 4L0 above unit 66
L	16957		16970		66		4A7		po-bearing 4A; est. grade = 4-5% comb.
L	16970		16978		67		5B16		negligible sulfide content; non-calc. 5B
L	16978		16996		68		4A7		as unit 66; est. grade = 3-4% comb.
L	16996		17012		69		4A0		non-pyrochlotite; est. grade = 9-10% "
L	17012		17016		70		4A0		negligible sulfide content
L	17016		17023		71		4A10		normal; est grade =
L	17023		17048		72		4C4		est. grade =

Core	From	To	Unit	Code	Description
1	10 14 16	20 22 23	25 27		
L	70148	7053	73	4K0	banded; est grade =
L	7053	7060	74	4H11	→ 4H13; thinly banded w/ 1 cm. angular qtzite frags. in random orientations
L	7060	7294	75	5A1	Post-D ₂ arsenopy. bearing (30%) qtz. sweat 712.8- 713.1; intermittently graphitic; 5A w/ 20% syn-post D ₂ qtz "sweats"
L	7294	7357	76	3G10	or 5B67; unit looks like 3G in vicinity of Dixon Ch.; if this assignment made 5A* in some other holes prob. in unit 3
L	7357	7384	77	0Q0	Upper contact 35°/225° ⇒ post-D ₂ "dike" lower contact 30°/045° " " " " or intrusive relationship
L	7384	8028	78	3G10	or 5B276; unit is a non-calc., variably carb. → graphitic, thinly banded, musc-chlor phyll. w/ alternating dk gray & gray green bands; this is ≡ to 3G in Dixon Ch. & GAT's unit 3 under SB deposit & in 1966S-1 to 4; i.e. this is "shutdown rock"
L	8028	8090	79	4L17	^{Bobcat, Oct. 77} unit is a qtz-musc ± chlor phyll. w/ 30-40% po + PbS-ZnS-CuFeS ₂ bearing pre-D ₁ sulfide laminae, partially remobilized during D ₂ ; sulfides definitely seen to S ₁ , where S ₁ folded into F ₂ folds; no evidence that sulfides increased pre-D ₁ "stringer zone" i.e. tend to see w/out exception sulfides S ₁ ; unit looks like "white mica envelope" w/ conformable sulfide laminations; unit should be split
L	8090	8094	80	4L17	c.f. unit 79 except chlor >>> musc phyll & much lower sulfide content; appears to be a po-bearing mafic tuff; do not split
L	8094	8360		3G10	or 5B276; as unit 78

Structural Log

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description		
	10	14	16	20					22	24
S				140	PS2		87 185	S REGION 3.3 → 14.6M		
S				91	PS2		85 185	(STRONG PS2)		
S				140	PS2		75 185			
S				146	F2Z					
								Z REGION 14.6 → 17.0M		
S				170	F2Z					
S				220	PS2		83 185	S REGION 17.0 → 97.0		
S				260	PS2		82 185			
S				320	PS2		73 185	Z @ 33.3		
S				366	PS2		73 185			
S				418	PS2		82 185			
S				460	PS2		70 185	Z @ 45.5 & 44.0 M.		
S				508	PS2		80 185			
S				550	PS2		83 185	MULT PS2 & BROKEN CORE IN		
S				617	PS2		65 185	THIS INTERVAL ISOLATED Z'S		
S				680	PS2		61 185	BRACKETED BY S'S THOUGH.		
S				736	PS2		80 185			
S				789	PS2		87 185			
S				835	PS2		72 185			
S				899	PS2		76 185			
S				969	PS2		78 185			
S				970	F2Z					
S				1035	PS2		72 185	Z REGION 97.0 → 106.5M		
S				1065	F2Z					
S				1082	PS2		68 185	S REGION 106.5 → 108.3M		
S				1083	F2Z					

Structural Log

Logged By: JPF

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S										Z REGION 108.3 → 113.0		
S												
S					11530	PS2						
S					11830	PS2			80	185	S REGION 113.0 - 143.0	
S					11830	PS2			83	185	123.3 → 124.5 = Z	
S					11230	PS2			69	185		
S					11224	PS2			70	185		
S					11350	PS2			65	185		
S					11395	PS2			82	185		
S												
S					11430	PS2						
S												
S					11435	PS2			87	185	Z REGION 143.0 → 146.4 M	
S					11464	PS2						
S												
S					11403	PS2			70	185	S REGION 146.4 - 201.5 M	
S					11526	PS2			80	185	151.5 → 152.2 = Z	
S					11576	PS2			75	185		
S					11627	PS2			85	185		
S					11683	PS2			85	185		
S					11733	PS2			85	185		
S					11778	PS2			85	185		
S					11822	PS2			80	185		
S					11879	PS2			84	185		
S					11928	PS2			89	185		
S					11976	PS2			88	185		
S												
S					12015	PS2						
S												
S					120130	PS2			77	185	Z REGION 201.5 → 211.8	
S					12080	PS2			69	185	204.4 → 211.8 STRONG PS2.	
S												
S					12118	PS2						
S												
S					12121	PS2			85	185	S REGION 211.8 - 215.2	

Code	From		To		Feature	S/E	S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	
S			2152		F2E						
S			2166		PS2				73	185	Z REGION 215.2 → 219.7M
S			2197		F2E						
S			2217		PS2				78	185	S REGION 219.7 → 223.0 M.
S			2230		F2E						
S			2241		PS2				79	185	Z REGION 223.0 → 226.2 M
S			2262		F2E						
S			2295		PS2				79	185	S REGION 226.2 → 272.9 M.
S			2331		PS2				73	185	Gauge 233.5 → 234.1M
S			2386		PS2				80	185	(DISCORDANT TO S ₂) S ₂ -64° δ -40°
S			2436		PS2				83	185	
S			2487		PS2				83	185	
S			2536		PS2				80	185	
S			2577		PS2				55	185	
S			2625		PS2				88	185	
S			2670		PS2				75	185	266.4 → SAND FOOT?
S			2716		PS2				73	185	
S			2729		F2E						
S			2759		PS2				70	185	Z REGION 272.9 → 276.2 M.
S			2762		F2E						
S			2816		PS2				76	185	S REGION 276.2 → 285.0 M
S			2850		F2E						
S			2862		PS2				68	185	Z REGION 285.0 → 287.7

Structural Log

Logged By: JPF

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description		
	10	14	16	20					22	24
S			2877		F2Z					
S			2900		PS2		80/185	287.7 → 294.8 M		
S			2944		PS2		85/185	M REGION MIXED S & Z. (MORE S THAN Z.)		
S								294.8 → 320.0 M S REGION		
S			3001		PS2		74/185			
S			3054		PS2		70/185			
S			3106		PS2		72/185			
S			3160		PS2		63/185			
S			3200		F2Z					
S			3218		PS2		73/185	Z REGION 320.0 → 325.2		
S			3249		PS2		77/185			
S			3252		Z					
S			3309		PS2		77/185	S REGION 325.2 → 360.3		
S			3351		PS2		80/185			
S			3401		PS2		83/185			
S			3460		PS2		83/185	PS2 341.8 → 344.8		
S			3508		PS2		81/185			
S			3554		PS2		76/185			
S			3603		F2Z					
S			3620		PS2		87/185	Z REGION 360.3 → 362.5 S @ 361.6.		
S			3625		F2Z					
S			3670		PS2		83/185	S REGION 362.5 → 384.4 M		
S			3722		PS2		75/185	Z @ 368.6		
S			3782		PS2		78/185			

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description		
	10	14	16	20					22	24
S			3843		PS2		85 185			
S			3844		F2E					
S								Z REGION 384.4 → 3875 M		
S			3875		F2Z					
S			3886		PS2		77 185	S REGION 3875 → 472.2 M		
S			3953		PS2		85 185	388.0 → 392.0 = PS2		
S			4015		PS2		84 185	Z @ 390.4 M		
S			4058		PS2		84 185			
S			4103		PS2		72 185			
S			4145		PS2		76 185			
S			4194		PS2		68 185			
S			4250		PS2		57 185	419.7 → 427.9 = PS2 } BROKEN CORE.		
S			4313		PS2		66 185			
S			4372		PS2		76 185	Z @ 434.5		
S			4407		PS2		73 185			
S			4453		PS2		88 185	448.3 → 463.0 = STRONG PS2 SCATT SYMM.		
S			4501		PS2		67 185			
S			4558		PS2		87 185	Z @ 461.3		
S			4605		PS2		81 185			
S			4651		PS2		76 185	Z @ 465.7		
S			4695		PS2		74 185			
S			4722		F2E					
S			4743		PS2		69 185	Z REGION 472.2 M → 475.0		
S			4750		F2Z					
S			4804		PS2		81 185	S REGION 4750 → 494.6		
			4858		PS2		80 185	494.6 → 526.4 = INTRUSIVE.		
			4910		PS2		83 185	477.3 → 494.6 = STRONG PS2 SCATT = S SYMM.		
	4946		5264					067 dike of Dypson Ch. swarm		

Structural Log

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S				5277	CS2			64	18.5			
S				5352	PS2			90	18.5			
S				5413	CS2			85	18.5			
S				5459	CS2Z							Z region 545.9 → 549.4 M
S				5474	CS2			85	18.5			
S				5494	CS23							S region 549.4 → 585.8 M
S				5535	CS2			80	18.5			
S				5596	CS2			85	18.5			
S				5657	CS2			85	18.5			
S				5718	CS2			87	18.5			
S				5779	CS2			85	18.5			
S				5810	CS2			60	18.5			
S				5858	CS2Σ							Z region 585.8 → 588.9 M
S				5871	CS2			85	18.5			
S				5889	CS23							S region 588.9 → 607.2 M
S				5931	CS2			86	18.5			
S				5992	CS2			75	18.5			
S				6053	CS2			85	18.5			
S				6072	CS2Σ							Z region 607.2 → 609.0 M
S				6084	CS2			70	18.5			
S				6090	CS23							S region 609.0 → 622.1 M
S				6145	CS2			78	18.5			
S				6206	CS2			80	18.5			
S				6221	CS2S							PS2 region 622.1 → 625.2 M
S				6236	PS2			70	18.5			
S				6252	CS2S							S region 625.2 → 638.3 M
S				6268	CS2			80	18.5			
S				6328	CS2			78	18.5			
S				6383	CS2Σ			83	18.5			Z region 638.3 → 647.0 M
S				64120	CS2			90	18.5			
S				6450	CS2			87	18.5			
S				6470	CS2Σ							Z region 647.0 → 651.9 M.
S				6495	CS2			68	18.5			
S				6519		3						S region 651.9 → 654.5 M
S				6535	CS2			70	18.5			
S				6545		Σ						Z region 654.5 → 657.7 M

Code	From				To				Feature	SYM	S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	
S				6555	CS2						75	185			
S				6577				3							S region 657.7 → 670.2 M
S				6605	CS2						70	185			
S				6673	CS2						83	185			
S				6702				S							PS2 region 670.2 → 674.0 M
S				6724	PS2						75	185			
S				6740				S							S region 674.0 → 687.3 M
S				6785	CS2						45	185			
S				6815	CS2						80	185			
S				6873				Σ							Σ region 687.3 → 691.2 M
S				6885	CS2						80	185			
S				6912				3							S region 691.2 → 693.5
S				6935				WZ							Z region 693.5 → 701.7
S				6940	CS2						55	185			
S				6998	CS2						72	185			
S				7017				Z							PS2 region 701.7 → 706.1
S				7055	PS2						69	185			
S				7061				Z							Z region 706.1 → 724.0
S				7102	CS2						78	185			
S				7150	CS2						60	185			
S				7211	CS2						70	185			
S				7240				3							S region 724.0 → 798.5
S				7303	CS2						75	185			
S				7364	CS2						80	185			
S				7425	CS2						80	185			
S				7486	CS2						55	185			
S				7547	CS2						73	185			
S				7607	CS2						58	185			
S				7660	CS2						70	185			
S				7730	CS2						65	185			
S				7760	CS2						83	185			
S				7821	CS2						70	185			
S				7880	CS2						68	185			
S				7945	CS2						85	185			
S				7985				Σ							Σ region 798.5 → 810.4
S				8035	CS2						75	185			

77-X-10

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 77-X-10

Fabric Orientation Diagram:

Project: Dy.

Location: Orthophoto F-6

Claim: Gale 46

Terr. Plane Co-ords.: Not Surveyed N
10 Jan '78 E

Grid Co-ords.: L1G2E / 24 N
(KA)

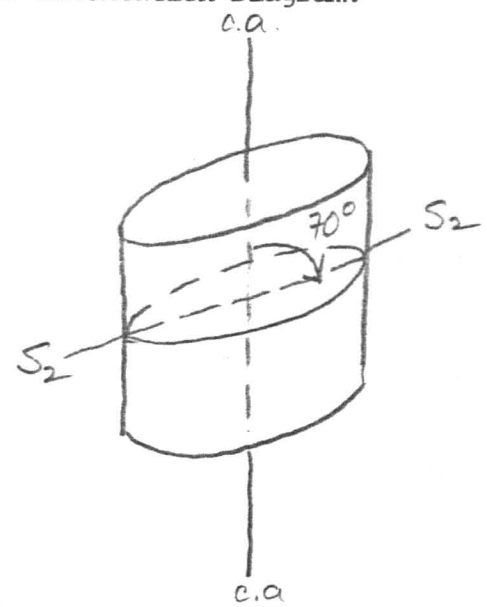
Elevation: ± 3120' (ortho) ≈ ^{961.43m.} ~~952M~~

Total Depth: 451.7 meters

Purpose: DY Extension

Logged by: DTH Date(s) Logged: Nov, Dec. 1977

Drilling Contractor:	<u>Arctic D.D.</u>	Core:	Size	From	To	Collar Cased and Capped:
			<u>NQ</u>	<u>0</u>	<u>451.7m.</u>	<u>No</u>



All symmetry determinations looking NW with S₂ dipping SW with dip azimuth 185.

Started: Nov. 2/77 Completed: Dec. 2/77

Lithologic Log

Logged By: LJA

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	1100	1136	11	#	triconed - no core
L	1136	1463	12	5B10	mod. calc ; <10% Fe Mg CO ₃ ⁼
L	1463	1486	13	5B16	→ 5B67?
L	1486	1819	14	5B10	weakly → mod. calc ; <10% interbanded 5B6
L	1819	1918	15	5B12	→ 5B26 ; numerous bull gtz "sweats" to 10 cm ; ~10% interbanded 5B0 ; ~5% interbanded 5B6
L	1918	11617	16	5B16	poorly → non laminated ; tuffaceous ? ; <10% interbanded 5B0
L	11617	121012	17	5B10	weakly CO ₃ ⁼ laminated ; minor 5D3 interbands
L	121012	121013	18	5D13	weakly calcareous
L	121013	121198	19	5B17	weakly tuffaceous and CO ₃ ⁼ laminated
L	121198	121614	110	5B10	weakly → mod calcareous
L	121614	121636	11	5D13	weakly → mod. calc ; ~15% interbanded 5B0
L	121636	121710	12	5B17	as unit 9
L	121710	121710	113	5D13	mod. calc ; light grey green metatuff
L	121710	121850	114	5B10	50:50 interlaminated 5B/5D ; → 5DB3 weakly → mod. calc
L	121850	121910	115	5D13	as unit 13 ; weakly calc
L	121910	131019	116	5D13	strongly calc ; ~10% interlaminated & interbanded 5B0
L	131019	131175	117	5B10	mod. calc ; incipiently brecciated ; <5% interbanded 5D3 ; 5A* 311.7 → 312.0 m
L	131175	131276	118	5A*	incipiently brecciated plus some tuffaceous frags ; ~30% interbanded 5D6
L	131276	131353	119	5B11	→ 5B16 ; minor incipient brecciation ; ~20% interbanded 5D6
L	131353	131318	2210	5B12	→ 5B26 ; ~40% 5B1 interbanded ; ~10% interbanded & interlaminated 5D6 ; post D ₂ breccia zone
L	131318	131616	21	5A16	minor s2 folioform pyrite ; <10% bull gtz

Structural Log

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14 16	20 22	24 26 28			Dip	Direct.	Dip	Direct.	
S			136		C/S12			618	1815		S sym 3.6 → 33.5 m.
S			119		C/S12			718	1815		
S			119	7	C/S12			811	1815		
S			129	9	C/S12			815	1815		
S			133	5	F2 E						Z sym 33.5 → 36.8 m.
S			136	3	C/S12			715	1815		
S			136	8	F2 3						S sym 36.8 → 39.3 m.
S			138	1	C/S12			711	1815		
S			139	3	F2 E						Z sym 39.3 → 44.4 m.
S			142	3	C/S12			719	1815		
S			149	9	F2 3						S sym 44.4 → 51.0 m.
S			147	9	C/S12			716	1815		
S			51	0	F2 E						Z sym 51.0 → 58.7 m.
S			53	7	C/S12			819	1815		
S			58	7	F2 3						S sym 58.7 → 63.7 m.
S			59	3	C/S12			816	1815		
S			63	7	F2 E						Z sym 63.7 → 67.7 m.
S			65	4	C/S12			816	1815		
S			67	7	F2 3						S sym 67.7 → 81.7 m.
S			71	2	C/S12			710	1815		
S			77	3	C/S12			715	1815		
S			81	7	F2 E						Z sym 81.7 → 87.5 m.
S			83	5	C/S12			810	1815		
S			87	5	F2 3						S sym 87.5 → 93.6 m.
S			88	9	C/S12			618	1815		
S			93	6	F2 E						Z sym 93.6 - 105.7 m.
S			94	9	C/S12			811	1815		
S			101	6	C/S12			717	1815		
S			105	7	F2 3						S sym 105.7 - 110.7 m.
S			105	9	C/S12			617	1815		
S			110	7	F2 E						Z sym 110.7 - 113.8 m.
S			112	1	C/S12			619	1815		
S			113	8	F2 3						S sym 113.8 - 129.2 m.
S			118	3	C/S12			715	1815		
S			121	6	C/S12			519	1815		
S			129	2	F2 E						Z sym 129.2 - 132.2 m.

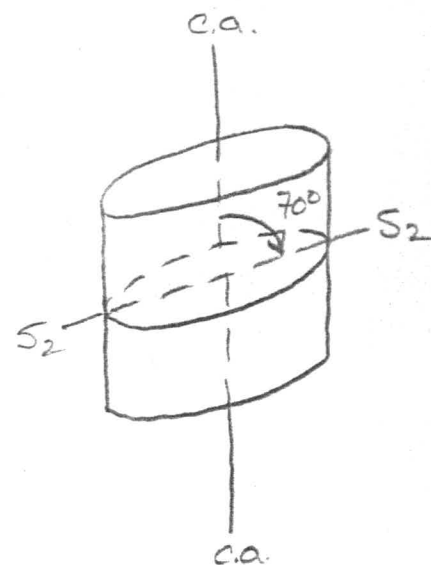
Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14 16	20 22	24 26			28	Dip	Direct.	Dip	
S			1/1310	1	CIS12				84	1815	
S			1/1312	2	F123						S sym 132.2 - 153.1 m.
S			1/1312	4	CIS12				71	1815	
S			1/1317	5	CIS12				810	1815	
S			1/1413	4	CIS12				719	1815	
S			1/1418	9	CIS12				71	1815	
S			1/1513	1	F12E						Z sym 153.1 -> 155.9 m.
S			1/1514	5	CIS12				719	1815	
S			1/1515	9	F123						S sym 155.9 -> 162.2 m.
S			1/1610	3	CIS12				718	1815	
S			1/1612	2	F12E						Z sym 162.2 -> 168.7 m.
S			1/1616	1	CIS12				810	1815	
S			1/1618	7	F123						S sym 168.7 -> 206.1 m.
S			1/1712	7	CIS12				715	1815	
S			1/1719	1	CIS12				713	1815	
S			1/1815	4	CIS12				813	1815	
S			1/1911	5	CIS12				718	1815	
S			1/1917	8	CIS12				711	1815	
S			1210	3	CIS12				910	1815	
S			1210	6	1	F12E					Z sym 206.1 -> 209.7 m.
S			1210	8	CIS12				812	1815	
S			1210	9	7	F12M					M sym 209.7 -> 217.4 m.
S			1211	4	9	CIS12			810	1815	
S			1211	7	4	F12M					S sym 217.4 -> 233.2 m.
S			1212	0	3	CIS12			714	1815	
S			1212	6	0	CIS12			719	1815	
S			1213	1	9	CIS12			80	1815	
S			1213	3	2	F12E					Z sym 233.2 -> 241.8 m.
S			1213	7	8	CIS12			718	1815	
S			1214	1	8	F123					S sym 241.8 -> 247.5 m.
S			1214	3	2	CIS12			812	1815	
S			1214	7	5	F12E					Z sym 247.5 -> 254.2 m.
S			1214	9	3	CIS12			90	1815	
S			1215	1	2	F12M					M sym 254.2 -> 261.1 m.
S			1215	5	4	CIS12			811	1815	
S			1216	0	7	CIS12			812	1815	

Code	From		To		Feature	E S ₁	S ₁		S ₂		Description	
	10	14	16	20			22	24	26	28		32
S				12161	1							S sym 261.1 → 274.4m
S				12166	5					82	185	
S				12172	2					84	185	
S				12174	4							M sym 274.4 → 284.0m
S				12177	8					82	185	
S				12183	6					85	185	
S				12184	0							S sym 284.0 → 306.3m
S				12189	9					73	185	
S				12194	8					74	185	
S				13100	8					82	185	
S				13106	1					79	185	
S				13106	3							Z sym 306.3 → 307.9m
S				13017	9							Post D ₂ incipient brecciation
S				13111	6					74	185	307.9-343.3 m - no sym
S				13117	8					82	185	determinations possible;
S				13123	1					78	185	<u>reliable S₂?</u>
S				13128	4					75	185	
S				13132	9					20	185	? fault?
S				13140	0					65	185	
S				13144	1					55	185	PS2 343.3 → EOH w/
S				13150	2					85	185	v. minor CS2 (mostly S)
S				13155	7					75	185	
S				13161	3					75	185	
S				13167	0					80	185	
S				13172	4					78	185	
S				13178	3					82	185	
S				13182	8					83	185	
S				13189	7					80	185	
S				13196	2					75	185	
S				1401	5					75	185	
S				14017	3					80	185	
S				14113	2					83	185	
S				14118	9					84	185	
S				14125	3					85	185	
S				14130	8					80	185	
S				14136	5					82	185	

77-X-11

CYPRUS ANVIL MINING CORPORATIONDIAMOND DRILL CORE LOGHole Number: 77-X-11

Fabric Orientation Diagram:

Project: Dy.Location: Orthophoto F-6Claim: DY 144Terr. Plane
Co-ords.: Not Surveyed N
10, Jan, '78Grid
Co-ords.: KA L148/12N E

All symmetry determinations looking

NW with S₂ dippingSW with dip azimuth 185.Elevation: 1092
1092Total Depth: 633.1 m (incomplete)Purpose: DY ExtensionLogged by: DJH Date(s) Logged: Nov. - Dec. 1977Drilling
Contractor: Arctic Core: Size From To Collar Cased
and Capped: NoNQ 0 454.4mBQ 454.4 633.1mStarted: Nov. 1/77 Completed: incomplete

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	11 100	11 152	11	#	triconed - no core
L	11 152	11 181	12	5D13	
L	11 181	12 165	13	5B10	weakly → strongly calc.
L	12 165	12 170	14	5C16	light grey green w/ "grainy" texture; ~ 10% OQO & peg. "sweats"
L	12 170	11 1240	15	5B10	as unit 3; broken & lost core w/ minor breccia 62.7 → 66.1 m, 84.4 → 87.0 m
L	11 1240	11 13162	16	5B12	weakly calc; w/ ~ 15% interbanded 5B0 & 5B6; upper ct gradational over 5 m.
L	11 13162	11 13172	17	01Q10	
L	11 13172	11 15100	18	5B12	as unit 6 w/ increasing graphite towards end of int; gouge @ 142.3 m; gouge & breccia 148.4 → 149.7 m
L	11 15100	11 15129	19	5G13	weakly graphitic; weakly calc; < 10% interbanded 5B0
L	11 15129	11 15166	110	5B12	as units 6, 8
L	11 15166	11 16131	111	5G13	as unit 9 w/ minor py rich bands // S ₂
L	11 16131	11 16183	112	5B10	as units 3, 5
L	11 16183	11 16193	113	5D13	sharp upper ct // S ₂ ; lower ct. grad- ational over 0.5 m.
L	11 16193	11 17133	114	5B10	strongly calc.
L	11 17133	11 17167	115	5B10	strongly calc.; ~ 20% interbanded 5D3
L	11 17167	11 18166	116	5B10	as unit 14
L	11 18166	12 008	117	5D13	w/ ~ 20% OQO & CO ₃ pods; mod. calc.
L	12 008	12 0122	118	5B10	→ 5B07?; weakly calc.; chl ⇒ musc.
L	12 0122	12 0151	119	5D13	as unit 17; w/ 0.2 m meta basite from 203.1 → 203.3 m
L	12 0151	12 0157	210	5B10	as unit 18
L	12 0157	12 0167	211	5D13	as units 17, 19
L	12 0167	12 0175	212	5B10	as units 18, 20; weakly → mod. calc.
L	12 0175	12 0194	213	5D13	as units 17, 19, 21
L	12 0194	12 1102	214	5B10	as units 18, 20, 22; note: are + these 5B7 units actually 5D w/ interbanded 5B.
L	12 1102	12 1119	215	5D13	weakly calc
L	12 1119	12 1155	216	5B10	as units 18, 20, 22, 24

Lithologic Log

Logged By: DTA

Core	From	To	Unit	Code	Description
1	10 14 16 20 22 23 25 27				
L	121155	121236	217	5D13	mod. → strongly calc.; ~10% 5C3 & ~10% 5B7 interbanded
L	121236	121289	218	5C16	< 5% CO ₃ ²⁻ ; light beige "speckled" texture
L	121289	121310	219	5D16	non laminarily banded metatuff
L	121310	121320	310	5D16	
L	121320	121425	311	5B10	as units 18, 20, 22, 24, 26; grad. cts over 0.5 m; mod. → strongly calc.
L	121425	121431	312	5D13	weakly → mod. calc;
L	121431	121450	313	5C16	as unit 28; cts grad. over 0.2 m
L	121450	121460	314	5D13	as unit 32
L	121460	121628	315	5B10	as units 18, 20, 22, 24, 26, 31; grad. cts. over ~1.0 m; mod. → strongly calc.; ~10% interbanded 5D3
L	121628	131010	316	5B10	mod. → strongly calc.; musc ⇒ chl
L	131010	131012	317	5D13	
L	131012	131075	318	5B10	as unit 36
L	131075	131080	319	5D13	
L	131080	131180	410	5B10	as units 36, 38
L	131180	131498	411	5B10	~30% interbanded 5B0, 5B6 towards end of int.; strongly calc.; chl > musc.
L	131498	131603	412	5B10	< 10% interbanded 5D3; ~20% interbanded 5B6; weakly → mod calc.; musc >
L	131603	131615	413	5D13	weakly → mod. calc
L	131615	131671	414	5B10	as unit 42
L	131671	131680	415	5D13	
L	131680	131717	416	5B10	as unit 41
L	131717	131724	417	5D13	
L	131724	131984	418	5B10	as units 41 & 46; < 2% interbanded 5D3; mod → strongly calc; lower ct grad. over ~2 m
L	131984	141131	419	5B10	~30% interbanded 5B6; weakly calc.; < 1% interbanded 5D3
L	141131	141136	510	5D16	
L	141136	141190	511	5B10	as unit 49
L	141190	141195	512	5D13	

Lithologic Log

Core	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	191195	142150	53	51B10	as units 49, 51
L	192150	142170	54	51D16	
L	142170	142199	55	51B16	
L	142199	143106	56	51D16	as unit 54
L	143106	143183	57	51B10	as units 49, 51, 53
L	143183	143197	58	51D13	weakly calc.
L	143197	149157	59	51B10	minor interbanded 5D3 + 5B73; mod. calc
L	149157	150145	60	51D18	50:50 interbanded 5D3 & 5B0; mod. calc.
L	510145	151414	61	51B10	strongly calc.
L	151414	151497	62	51B10	→ 5B02; incip. brecciated; minor tuff inter laminations
L	151497	151513	63	41H1	~20% siliceous frags to 3 cm dia.
L	151513	151515	64	51B16	→ 5B619; <5% py
L	151515	151528	65	41E17	→ 4E71; ~10% po mainly in Pb/Zn rich bands; ~10% sil. frags. & bands
L	151528	151532	66	51B16	as unit 64
L	151532	151548	67	41E17	→ 4E71; as unit 65
L	151548	151571	68	41L10	~20% interbanded po; white mica well developed.
L	151571	151577	69	41G17	~15% BaSO ₄ ; ~10% po ✓
L	151577	151582	70	41D17	<10% arg. + graph; good visible red-brown sph; → 4D75; ~20% po
L	151582	151588	71	51D16	well dev. white mica alteration; note: looks like 4L w/o sdes.
L	151588	151610	72	41K17	~20% sdes; → 4C79
L	151610	151617	73	41L10	~10% interbanded po.
L	151617	151617	74	41A10	~20% interbanded 4C; 15-20% tot. sdes (mainly py, po)
L	151617	151613	75	41E16	→ 4E64; ~5% BaSO ₄ ; sph. rich laminations.
L	151613	151641	76	41C10	breccia w/ minor sph. infillings
L	151641	151651	77	41A10	as unit 74
L	151651	151675	78	41C10	~50% total sdes (mainly py); 0.2 m breccia @ end of int
L	151675	151679	79	41A10	as units 74 & 77

Lithologic Log

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23 25 27			
L	151679	151683	810	51D16	as unit 71
L	151683	151700	811	4A10	as units 74, 77, 79
L	151700	151703	812	51D16	as units 71 & 80
L	151703	151710	813	4A10	~10% total sdes (mainly py)
L	151710	151716	814	41C0	~30% total sdes (mainly py)
L	151716	151729	815	51B16	→ 5B621 ; 3G?
L	151729	151740	816	4A10	as units 74, 77, 79, 81
L	151740	151785	817	51B16	→ 5B621 ; as unit 85 ; ~3% total sdes
L	151785	151823	818	4A10	as units 74, 77, 79, 81, 86 ; sdes & graph decreasing over last 0.6 m.
L	151823	151872	819	41C0	~5% total sdes ; minor white mica "alteration"
L	151872	151886	910	01Q0	
L	151886	151890	911	51B16	→ 5B621 ; as units 85, 87
L	151890	161105	912	41C0	sporadic white mica "alteration" ; ~5% total sdes (mainly po)
L	161105	161151	913	51B16	3G?
L	161151	161189	914	41C0	as units 89, 92
L	161189	161198	915	51B16	3G? ; as unit 93
L	161198	161296	916	41C0	~3% total sdes
L	161296	161331	917	51B16	3G? ; as units 93, 95 ; ~10% interbanded 4L
					EDH - 1977

Lithologic Log

Logged By: DTH

Code	From	To	Unit	Code	Description
1	10	14 16	20 22 23	25 27	
L	161219	9 161312	9 917	51B16	as units 93 & 95; ~10% interbanded 4L
L	161312	9 161318	2 918	41L17	<1% sdes (po)
L	161318	2 161319	2 919	51B16	as units 93, 95, 97
L	161319	2 161517	4 010	01F18	cts sub // S ₂
L	161517	4 161519	1 011	51B16	as units 93, 95, 97, 99; w/ minor py
L	161519	1 161610	5 012	51A11	siliceous bands to 2 cms
L	161610	5 161612	8 013	41C17	~20-30% banded & diss. sdes (mainly py
					w/ minor po); ± ankerite?; 5% 4L0
L	161612	8 161614	5 014	41E11	w/ 20% interbanded 4C; ± ankerite?
L	161614	5 161615	9 015	41E18	5% thin, magnetite rich laminations;
					minor barite lams; ± ankerite.
L	161615	9 161617	8 016	41G18	10% thin barite lams; 10% mag. rich
					lams; 10-12% Pb+Zn
L	161617	8 161619	3 017	41G11	minor Pb/Zn; ± ankerite?;
L	161619	3 161710	6 018	41G18	as unit 106
L	161710	6 161712	5 019	41G10	10% interbanded 4G8; ± ankerite?
L	161712	5 161713	8 110	41L10	<1% sdes (py); white mica alteration
L	161713	8 161714	6 111	41G18	15% BaSO ₄ ; ~5% Fe ₃ O ₄ ; 6-8% Pb+Zn
L	161714	6 161715	7 112	41E11	→ 4E16?; 10-15% ankerite; 10%
					interbanded 4E8; 2-3% Pb+Zn
L	161715	7 161716	2 113	41G10	
L	161716	2 161718	1 114	41E11	as unit 112
L	161718	1 161718	6 115	41L10	as unit 110
L	161718	6 161719	2 116	41E11	→ 4E16?; ± ankerite?; w/ Pb+Zn rich
					laminations; ~10% 4C interbanded
L	161719	2 161813	3 117	41A10	10-15% total sdes (mainly py); 3-4%
					Pb+Zn
L	161813	3 161814	1 118	41L17	~5% sdes (po); <5% 4A0 interbanded
L	161814	1 161817	0 119	51B16	
L	161817	0 161817	8 210	51A11	
L	161817	8 161818	1 211	51B16	
L	161818	1 161910	1 212	41A10	
L	161910	1 161912	7 213	41E11	± ankerite?; 30% interbanded 4C
L	161912	7 161916	3 214	41L10	→ 4L07; ~5% sdes; white mica alteration
L	161916	3 161916	8 215	51B16	
L	161916	8 161917	5 216	41L10	as unit 124

Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description
1	10	14 16	20 22 23	25 27	
L	161975	161993	217	5B16	
L	161993	170124	218	4L17	~5% sdes (po); white mica alt. 701.0-702.2
L	170124	171061	219	5B16	
L	171061	171080	310	4L17	as unit 128
L	171080	171178	311	5B16	→ 5B67
L	171178	172101	312	4L17	as units 128 & 130
L	172101	172119	313	5B16	
L	172119	173112	314	4L17	as units 128, 130 & 132
L	173112	173122	315	4E11	80% sdes (py); ~20% interbanded 4C
L	173122	176184	316	4L17	
L	176184	176188	317	4G10	Pb/Zn rich lams.
L	176188	176196	318	4L17	"bleached"?
L	176196	177023	319	4G10	as unit 137
L	177023	179117	410	4A10	~10% total sdes (mainly py w/ minor-5-6% gal. & sph); 10% thin graphitic laminations; gouge @ 771 m.
L	179117	179134	411	5B16	→ 5B67; minor po;
L	179134	179170	412	5A11	<10% 4A1 interbanded; ~30% 5B67 interbanded; minor po
L	179170	179183	413	5B16	→ 5B67; no sdes visible
L	179183	179194	414	5A11	as unit 142
L	179194	182142	415	3G17	non-calc musc-chl. phyllite w/ 0-30% tuffaceous? (4L7) interbands and interlaminations; 5B67?; minor po
L	182142	184150	416	4L17	~20% interbanded 3G7; minor po
L	184150	189116	417	3G10	<10% 3G7 interbanded
L	189116	189130	417	3C16	non-calc
L	189130	189145	418	3G17	as unit 145
L	189145	189166	419	3C16	as unit 146
L	189166	191053	510	3G10	light grey green musc-chl. non-calc phyllite
L	191053	191086	511	01E7	chilled margin; <1% mafics (bio.);
L	191086	191131	512	01E7	plag. phenos to 3mm; fg groundmass med grained g.m.
		1E0H			

Code	From		To		Feature	E S/N	S ₁		S ₂		Description
	10	14 16	20 22	24 26 28			Dip	Direct.	Dip	Direct.	
S			15	20	C1512			619	11815		S region 5.2 → 34.5 m
S			110	9	C1512			811	11815		
S			116	5	C1512			712	11815		
S			122	6	C1512			617	11815		
S			128	3	C1512			716	11815		
S			133	8	C1512			718	11815		
S			134	5	1F2E						Z region 34.5 → 36.4 m
S			135	7	C1512			717	11815		
S			136	4	1F23						S region 36.4 → 51.4 m.
S			139	4	C1512			811	11815		
S			144	9	C1512			716	11815		
S			150	7	C1512			711	11815		
S			151	4	1F2E						Z region 51.4 → 53.3 m.
S			152	3	C1512			812	11815		
S			153	3	1F23						S region 53.3 → 59.9 m.
S			156	6	C1512			910	11815		
S			159	9	1F2E						Z region 59.9 → 63.3 m.
S			162	3	C1512			718	11815		
S			163	3	1F23						S region 63.3 → 67.0 m.
S			166	0	C1512			816	11815		
S			167	0	1F2E						Z region 67.0 → 74.6 m.
S			169	7	C1512			910	11815		
S			174	6	1F23						S region 74.6 → 77.0 m.
S			175	3	C1512			619	11815		
S			177	0	1F2E						Z region 77.0 → 81.3 m.
S			180	9	C1512			619	11815		
S			181	3	1F23						S region 81.3 → 107.0 m
S			187	6	C1512			714	11815		
S			194	0	C1512			711	11815		
S			198	4	C1512			615	11815		
S			1101	39	C1512			413	11815		
S			1101	70	1F2E						Z region 107.0 → 147.9 m.
S			1101	94	C1512			812	11815		
S			111	19	9	C1512			812	11815	
S			112	0	4	C1512			813	11815	
S			112	5	9	C1512			814	11815	

Structural Log

Logged By: DJH

Code	From			To			Feature	SYM	S ₁		S ₂		Description
	10	14	16	20	22	24			26	28	Dip	Direct.	
	1	10	14	16	20	22	24	26	28	32	34	38	
S					1/1317		CIS12				81	1815	
S					1/1375		CIS12				813	1815	
S					1/1435		CIS12				613	1815	
S					1/1479		IF23						S region 147.9 → 155.4 m
S					1/1510		CIS12				719	1815	
S					1/1554		IF2E						Z region 155.4 → 159.8 m
S					1/1564		CIS12				713	1815	
S					1/1598		IF23						S region 159.8 → 164.6 m
S					1/1619		CIS12				613	1815	
S					1/1646		IF2E						Z region 164.6 → 166.8 m
S					1/1667		CIS12				81	1815	
S					1/1668		IF23						S region 166.8 → 223.6 m
S					1/1676		CIS12				65	1815	
S					1/1733		CIS12				816	1815	
S					1/1789		CIS12				70	1815	
S					1/1843		CIS12				81	1815	
S					1/1910		CIS12				810	1815	
S					1/1958		CIS12				619	1815	
S					121018		CIS12				716	1815	
S					121071		CIS12				812	1815	
S					121128		CIS12				718	1815	
S					121186		CIS12				713	1815	
S					121236		IF2S						PS2 223.6 → 231.0 m
S					121242		PS12				718	1815	
S					121299		PS12				710	1815	
S					121310		IF2S						S region 231.0 → 235.4 m
S					121349		CIS12				714	1815	
S					121354		IF2S						S2 HORIZONTAL 235.4 → 240.9 m
S					121399		CIS12				90	1815	
S					121410		IF2S						S region 240.9 → 257.2 m
S					121430		CIS12				710	1815	
S					121490		CIS12				815	1815	
S					121528		CIS12				812	1815	
S					121572		IF2E						Z region 257.2 → 262.8 m
S					121586		CIS12				65	1815	
S					121628		IF23						S region 262.8 → 271.2 m

Code	From		To		Feature	E S	S ₁		S ₂		Description
	10	14 16	20 22	24 26			28	Dip	Direct.	Dip	
S	10	14 16	20 22	24 26	28		32	34	38		
S			1216	143	C/S12				713	1815	
S			1217	103	C/S12				615	1815	
S			1217	12	F12	E					Z region 271.2 → 276.3 m
S			1217	49	C/S12				714	1815	
S			1217	63	F123						S region 276.3 → 293.5 m
S			1218	10	C/S12				618	1815	
S			1218	69	C/S12				715	1815	
S			1219	26	C/S12				815	1815	
S			1219	35	F12	E					Z region 293.5 → 302.4 m
S			1219	82	C/S12				910	1815	
S			1310	24	F123						S region 302.4 - 334.7 m
S			1310	39	C/S12				813	1815	
S			1311	00	C/S12				910	1815	
S			1311	51	C/S12				717	1815	
S			1312	08	C/S12				813	1815	
S			1312	66	C/S12				718	1815	
S			1313	23	C/S12				819	1815	
S			1313	47	F12	E					Z region 334.7 - 343.8 m
S			1313	84	C/S12				811	1815	
S			1314	38	F123						S region 343.8 - 364.3 m
S			1314	60	C/S12				813	1815	
S			1314	91	C/S12				711	1815	
S			1315	53	C/S12				811	1815	
S			1316	15	C/S12				714	1815	
S			1316	43	F12	E					Z region 364.3 - 372.2 m
S			1316	68	C/S12				815	1815	
S			1317	22	F123						S region 372.2 - 374.7 m
S			1317	23	C/S12				814	1815	
S			1317	47	F12	E					Z region 374.7 - 379.9 m
S			1317	79	C/S12				815	1815	
S			1317	99	F123						S region 379.9 - 412.8 m
S			1318	35	C/S12				810	1815	
S			1318	92	C/S12				813	1815	
S			1319	44	C/S12				713	1815	
S			1401	07	C/S12				717	1815	
S			1401	70	C/S12				711	1815	

Structural Log

Logged By: DTH

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
	10	14 16	20 22	24 26 28				
S			41123		CIS12		81/1815	
S			41128		F12E			Z region 412.8 - 421.9 m
S			41172		CIS12		74/1815	
S			41219		F123			S region 421.9 - 424.7 m
S			41239		CIS12		73/1815	
S			41247		F12E			Z region 424.7 - 431.6 m
S			41289		CIS12		81/1815	
S			41316		F123			S region 431.6 - 441.2 m
S			41347		CIS12		710/1815	
S			41410		CIS12		78/1815	
S			41412		F12E			Z region 441.2 - 446.0 m
S			41459		CIS12		910/1815	
S			41460		F123			S region 446.0 - 461.5 m
S			41518		CIS12		618/1815	
S			41545		CIS12		85/1815	
S			41615		F12E			Z region 461.5 - 464.3 m
S			41631		CIS12		718/1815	
S			41643		F123			S region 464.3 - 507.3 m
S			41710		CIS12		78/1815	
S			41772		CIS12		910/1815	
S			41827		CIS12		810/1815	
S			41884		CIS12		84/1815	
S			41943		CIS12		71/1815	
S			510100		CIS12		716/1815	
S			51059		CIS12		81/1815	
S			51073		F12E			Z region 507.3 - 514.6 m
S			51121		CIS12		713/1815	
S			51146		F123			S region 514.6 - 528.2 m
S			51170		CIS12		719/1815	
S			51265		CIS12		74/1815	
S			51282		F12S			Breccia 528.2 → 532.8 m
S			51328		F12S			S sym 532.8 → 541.5 m
S			51329		CIS12		712/1815	
S			51381		CIS12		618/1815	
S			51415		F12S			Breccia 541.5 → 549.7 m. (no sym - post D ₂ breccia)

Core Code	From			To			Feature	SYM	S ₁		S ₂		Description
	10	14	16	20	22	24			26	28	Dip	Direct.	
S	10	14	16	20	22	24	26	28	32	34	38		
S				1515	15	PIS	R			610	11815		PS2 in sdes 549.7 → 569.6
S				1515	71	PIS	R			619	11815		
S				1516	30	PIS	R			619	11815		
S				1516	85	PIS	R			716	11815		
S				1516	96	IFR	S						S sym 569.6 → 575.9 m
S				1517	40	CIS	R			619	11815		
S				1517	59	IFR	M						M region 575.9 → 586.6 m
S				1517	97	CIS	R			710	11815		
S				1518	51	CIS	R			711	11815		
S				1518	66	IFR	M						S region 586.6 - 605.4 m
S				1519	10	CIS	R			717	11815		
S				1519	64	CIS	R			719	11815		
S				1602	1	CIS	R			719	11815		
S				1610	54	IFR	Z						Z region 605.4 - 610.5 m
S				1610	81	CIS	R			716	11815		
S				1611	05	IFR	B						S sym 610.5 - 633.1 m
S				1611	33	CIS	R			815	11815		
S				1611	91	CIS	R			715	11815		
S				1612	42	CIS	R			811	11815		
S				1631	1	CIS	R			810	11815		
				1E10H	-	1977							

Structural Log(1)

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description		
	10	14	16	20					22	24
S				16315	5 CIS		910/1815	S sym 610.5 - 639.2		
S				16319	2 F2S			INT: 639.2 - 657.4 m		
S				16517	4 F2S		55/1815	w/contacts sub // S ₂		
S				16519	2 CIS		67/1815	S sym 657.4 - 660.5		
S				16610	5 F2S					
S				16615	4 PS		71/1815	PS2: 660.5 - 679.2 m		
S				16619	8 PS		81/1815			
S				16715	6 PS		81/1815			
S				16719	1 PS		81/1815			
S				16719	2 F2S			S sym 679.2 - 683.8 m		
S				16813	1 CIS		81/1815			
S				16813	8 F2S					
S				16879	9 PS		81/1815	PS2: 683.8 - 694.9 m		
S				16913	1 PS		7A/1815			
S				16919	9 F2S			S sym 694.9 - 697.3 m		
S				16916	9 CIS		81/1815			
S				16917	3 F2E			Z sym 697.3 - 699.9 m		
S				16919	8 CIS		7B/1815			
S				16919	9 F23			S sym 699.9 - 702.4 m		
S				17012	2 CIS		719/1815			
S				17012	4 F2S			PS2: 702.4 - 705.0 m		
S				17014	9 PS		717/1815			
S				17015	0 F2S			S sym 705.0 - 715.4 m		
S				17110	0 CIS		712/1815			
S				17114	6 CIS		80/1815			
S				17115	4 F2E			Z sym 715.4 - 718.3 m		
S				17117	6 CIS		80/1815			
S				17118	3 F23			S sym w/ minor Indetermin		
S				17210	0 CIS		812/1815	718.3 - 731.2 m		
S				17214	9 CIS		811/1815			
S				17310	0 CIS		715/1815			
S				17312	2 F2S			PS2 731.2 - 738.6 m		
S				17315	0 PS		617/1815			
S				17316	6 F2Z			Z sym 738.6 - 742.8 m		
S				17410	0 CIS		817/1815			
S				17426	6 F23			S sym 742.8 - 749.8 m		

Structural Log (2)

Code	From		To		Feature	SYE	S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
	10	14	16	20	22	24	26	28	32	34	38
S				7450	C/S	12			81	185	
S				7499	C/S	12			76	185	
S				7498	F2	E					Z sym 749.8 - 754.3 m.
S				7590	C/S	12			81	185	
S				7593	F2	3					S sym 754.3 - 773.6 m.
S				7601	C/S	12			71	185	
S				7650	C/S	12			85	185	
S				7703	C/S	12			65	185	
S				7736	F2	E					Z sym: 773.6 - 781.5 m.
S				7750	C/S	12			70	185	
S				7800	C/S	12			61	185	
S				7815	F2	Z					Indeterminate sym w/minor
S				7850	C/S	12			60	185	S sym: 781.5 - 791.7 m.
S				7900	C/S	12			65	185	
S				7954	P/S	12			68	185	P/S2 w/minor S sym: 791.7 -
S				8013	P/S	12			79	185	817.9 m.
S				8052	P/S	12			76	185	
S				8099	P/S	12			79	185	
S				8165	P/S	12			77	185	
S				8179	F2	S					S sym w/minor PS2: 817.9 -
S				8200	C/S	12			69	185	828.4 m.
S				8253	C/S	12			58	185	
S				8284	F2	S					PS2 828.4 - 905.3 m.
S				8300	P/S	12			76	185	
S				8350	P/S	12			73	185	
S				8403	P/S	12			85	185	
S				8456	P/S	12			80	185	
S				8494	P/S	12			62	185	
S				8555	P/S	12			68	185	
S				8616	P/S	12			67	185	
S				8647	P/S	12			68	185	
S				8705	P/S	12			86	185	
S				8769	P/S	12			80	185	
S				8802	P/S	12			69	185	
S				8858	P/S	12			77	185	
S				8900	P/S	12			80	185	

Code	From	To	Sample No.	Description
I	10 14 16	20 22	27	core rec
P	161605	161615	2151511	0.9 m.
P	161615	161628	2151521	1.3 m.
P	161628	161645	2151531	1.5 m.
P	161645	161659	2151541	1.5 m.
P	161659	161678	2151551	1.7 m.
P	161678	161693	2151561	1.5 m.
P	161693	161706	2151571	1.5 m.
P	161706	161725	2151581	1.8 m.
P	1617138	161757	2151591	2.0 m.
P	161757	161767	2151601	1.0 m.
P	161767	161781	2151611	1.5 m.
P	161786	161796	2151621	1.0 m.
P	161796	161816	2151631	2.0 m.
P	161816	161833	2151641	1.7 m.
P	161881	161901	2151651	0.7 m.
P	161901	161911	2151661	1.0 m.
P	161911	161927	2151671	1.6 m.
P	1713112	171322	2151681	1.0 m.
P	1716196	171716	2151691	2.2 m.
P	171716	171736	2151701	2.4 m.
P	171736	171756	2151711	1.8 m.
P	171756	171776	2151721	2.0 m.
P	171776	171796	2151731	2.0 m.
P	171796	171816	2151741	2.1 m.
P	171816	171836	2151751	2.3 m.
P	171836	171856	2151761	1.5 m.
P	171856	171876	2151771	2.0 m.
P	171876	171896	2151781	2.3 m.
P	171896	171917	2151791	2.5 m.