017940

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 456-75-09

Fabric Orientation Diagram:

Project: Anvil

Location: Vangorda Plateau

Claim: Tic

Terr. Plane Co-ords.: 6905787 N N

591302 E E

Approx. only based on 1:5000 map + clearing

Grid Co-ords.: L 11645, 1+00N

KA/AEX Grid

All symmetry determinations looking _____ with _____ dipping

Elevation: ≈ 4310 (MSL) 1303m. (approx.) with dip azimuth _____.

Total Depth: 1720'

Purpose: Test Extension of Grum Deposit onto Tic (assessment)

Logged by: D.S.J. Date(s) Logged: _____

Drilling Contractor: Arctic

Core:	Size	From	To	Collar Cased and Capped: NO
	BQ	0	1720'	

Started: 20, Apr., 1975 Completed: 3, May, 1975

Feet

DDH 456,75,09 (2 … 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Re-Logged By: [illegible]

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	1 1 10 0	1 12 10 0	1 1	#	Overburden
L	1 12 10 0	1 14 30 0	1 2	5B0	(4A4) T.O.E.
L	1 14 30 0	1 14 54 0	1 3	4A0	See Janson's log for assayed intervals; ≈ 1% comb Pb+Zn
L	1 14 54 0	1 14 59 5	1 4	5D3	→ 4L3
L	1 14 59 5	1 14 60 5	1 5	4E4	See Janson's log for assayed values; 14.3% comb.
L	1 14 60 5	1 14 62 5	1 6	5D3	→ 4L3 as unit 4
L	1 14 62 5	1 14 63 2	1 7	4H3	See Janson's log for assayed values; 3.3% comb
L	1 14 63 2	1 14 64 0	1 8	4A0	" " " " " " ; 0.95% "
L	1 14 64 0	1 14 65 1	1 9	4H3	" " " " " " ; 7.64% comb
L	1 14 65 1	1 14 69 0	1 10	5D3	→ 4L3 as units 4, 6
L	1 14 69 0	1 14 87 0	1 1	4C0	(4DO) T.O.E. → 4L0; See Janson's log for assayed values; ≈ 10% comb
L	1 14 87 0	1 15 29 0	1 2	5B6	
L	1 15 29 0	1 15 29 8	1 3	4C0	2.69% comb. Pb+Zn
L	1 15 29 8	1 15 31 0	1 4	5B4	→ 5B46
L	1 15 31 0	1 15 37 7	1 5	4L0	→ 5B96; 1.67% comb.
L	1 15 37 7	1 15 45 5	1 6	5B4	→ 5B46; ≈ 0.60% comb.
L	1 15 45 5	1 15 48 6	1 7	5B6	
L	1 15 48 6	1 15 49 0	1 8	4P0	7.32% comb
L	1 15 49 0	1 15 83 0	1 9	4A0	No assayed intervals
L	1 15 83	1 16 24 2	2 0	5A0	
L	1 16 24 2	1 16 31 5	2 1	3F0	
L	1 16 31 5	1 17 20 0	2 2	10A	BO

Cyprus Anvil Mining Corp.

Diamond Drill Core Log Date: _____ Logged By: _____

DDH 4,5,6,7,5,0,9
2 8

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T	4,5,6,7,5,0,9	1,3,0,3.,0	9,0,5,7,8,7,1.,0	5,9,1,3,0,2,1.,0	F,E,E,T	S,2	

Feet

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	4,5,6,7,5,0,9	0,0	1,8,0,1.,0	0,1.,0	A,T C,O,L,L,A,R
R	4,5,6,7,5,0,9	1,6,0,1,0,0	1,7,1,4.,0	1,3,1,8.,0	A,C,I,D T,E,S,T,S -1 A,Z,I,M,U,T,H,S
R	4,5,6,7,5,0,9	1,0,9,0,0	1,6,7,1.,0	1,3,5,7.,0	F,R,O,M F,A,I,G,A,0,6,1,4
R	4,5,6,7,5,0,9	1,7,2,0,0	1,7,1,7.,0	1,4,2.,0	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56
C	4,5,6,7,5,0,9	A,C,I,D T,E,S,T -1 A,Z,I,M,U,T,H,S F,R,O,M F,A,I,G,A,0,6,1,4

Feet

from 1975 log by U. Jansons

DDH 4567509 (2 8)

Cyprus Anvil Mining Corp.

Structural Log

Page _____ of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		1330					75 2310	
S		1410				011 010		
S		1870				215 010	618 2310	
S		15120					810 2310	
S		1610				011 010		
S		12100					810 2310	
S		12580				011 010	716 2310	
S		13070				011 010	715 2310	
S		13550				015 010	810 2310	
S		14020				016 010	715 2310	
S		14750				110 010	717 2310	
S		15150				011 010	812 2310	
S		15930				011		
S		15970					810 2310	
S		16550					810 2310	
S		17040				011 010	815 2310	
S		17970				011 010	815 2310	
S		18460				011 010	815 2310	
S		19020				011 010	815 2310	
S		19660				016 090	810 2310	
S		20120				016 010	817 2310	
S		20570				011 010	810 2310	
S		21120				011 010	813 2310	
S		21270				011 000	815 2310	
S		21840				011 090	812 2310	
S		22475				011 010	813 2310	
S		22495					618 2310	
S		22590				011 010	810 2310	
S		23030				011 010	810 2310	
S		23555				011 010	812 2310	
S		23818				011 010	810 2310	
S		24120				011 000	715 2310	
S		24270					618 2310	
S		24440					555 2310	
S		24555					610 2310	
S		24720					710 2310	

Feet

DDH 456.7509 (2 / 8) Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		153170					8102310	
S		154170					7102310	
S		158170				011 180 010	8102310	
S		160500				610 0100	6102310	
S		162140					5552310	
S		162190					7102310	

C.A.M.C. 1981 - E - 4

Feet

FAULT

from A. Jansen's 1975 log

DDH 4.5.6.7.5.0.9. (2 / 8)

Cyprus Anvil Mining Corp.

Structural Log

Page _____ of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip	S_0 Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
1	10 14	16 20	22 24	26	28 32		34 38		40 44		
F	1515.0	1516.0	G								soft, punky clay zone
F	1210.3	1210.4	G								soft punky clay zone
F	1210.4	1211.1	XIP	2							21% recovery, bxa zone
F	1216.0	1217.0	XIQ								bxiated phyllite, $CaCO_3$ cemented
F	1311.4	1311.5	XIQ								" " " "
F	1581.5	1582.0	G								soft clayey punky zone
F	1581.5	1581.8	G								soft clayey punky zone
F	1781.7	1789.0	G								soft clayey fault zone
F	1115.5	1115.7	G								soft clayey fault zone
F	1117.0	1117.1.5	G								soft clayey fault zone
F	1115.2	1117.6	BGF								poorly cohesive w/ several clay & fragmented core zones
F	1215.0	1215.1.5	X								phyllite bxa - $CaCO_3$ cemented
F	1318.0	1319.0	Q								$CaCO_3$ zone
F	1411.6	1412.0	X								bxiated appearance — boudinage & fragment of $CaCO_3$ layers and cross cutting $CaCO_3$ veins
F	1414.8	1415.0	G?								soft clayey section
F	1551.5	1551.7	G?								bleached clayey zone
F	1561.4	1561.9	G?								clayey graphitic zone
F	1571.8.5	1581.3	XIQ								carbonate cemented bxiated graphitic phyllite

Feet

from 1975 A. Jansen's log

get assays from log
change oz/ton → g/tonne
with × 34.2857

DDH 4567509 Cyprus Anvil Mining Corp

Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date ____ Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
P	114311 3	114313 0	9211216	17	17	14A14	
P	114313 6	114316 4	9211217	134	134	14A01	
P	114318 5	114120 0	9211218	135	135	14A01	
P	114125 5	114181	9211219	156	156	14A01	
P	114510 1	114535	9211310	134	134	14A01	
P	114519 3	114610 3	9211311	10	10	14E14	
P	114612 5	114613 3	9211312	108	108	14H31	
	114613 3	114614 0	9211313	107	107	14A01	
	114614 0	114615 2	9211314	12	12	14H31	
	114619 2	114710 0	9211315	108	108	14D01	
	114716 0	114714 4	9211316	144	144	14C01	
	114714 4	114718 6	9211317	142	142	14C01	
	114718 6	114814 7	9211318	161	161	14C01	
	114855 5	114817 2	9211319	17	17	14C01	
	114817 7	114935	9211410	158	158	15B61	
	115219 0	115219 8	9211411	108	108	14C01	
	115311 0	115317 7	9211412	167	167	14L01	
	115317 7	115410 9	9211413	132	132	15B41	
	115410 9	115415 0	9211414	149	149	15B41	
	115418 6	115419 0	9211415	104	104	14D01	

S_1 & S_2 structure measured with respect is horizontal - 90° to core axis

Diamond Drill Record

COLLAR:		HOLE SURVEY		
NORTH 1+00) AEX GRID		FOOTAGE	AZIMUTH	DIP
EAST 116+00)		600		6.0
ELEVATION		1,000		13
LOGGED BY U. Jansons		1,720		2.5 2.0
DATE LOGGED 4 May, 1975				5.0
MAP REFERENCE NO.		METHOD: HF		

COMPANY NAME PELLY RIVER MINES LTD.
PROPERTY NAME Anvil Claims
DRILLING CONTRACTOR Arctic Diamond Drilling
ASSAYER Whitehorse Assay Office Ltd.
PURPOSE OF HOLE Geological Projection of Grum Horizon

HOLE NO. 456-75-9
CLAIM NAME TIE
COMMENCED 20 April, 1975
FINISHED 3 May, 1975
PROJECT NO. 45700

FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
0	21		Overburden.											
21	1390	97%	Chlorite-sericite, minor quartz carbonate banded phyl-									S2	33'	15°
			lite. Chlorite-sericite 60-70% of rock. Chlorite:									S1	40	90
												S1	87	65
			sercite varies from 3:1 to 1:1. Color light grey to									S2	87	22
												S2	152	10
			greenish gray, depending on chlorite:sericite ratio.									S1	161	90
												S2	220	10
			Quartz to carbonate ratio 1:5 or so through section.									S1	259	90
												S2	257	12-15
			Mineralization: trace amounts (less than 0.1%) sul-									S1+	307	60-90
												S2	307	15
			fides through section. Po:Py approximately 1:1. These									S1	355	75
												S2	355	10
			usually occur as crystals in $CaCO_3$ bands.									S1	402	90
												S2	402	15
												S1	475	70-90
												S2	475	10-15
			Core virtually uniform all the way down in section ex-									S3 ?	475	70-80
												S1	545	to 90
			cept for fractured (breccia) zones as noted below and									S2	545	5-10
												S1	593	to 90
			randomly distributed up to 1.5' $CaCO_3$, SiO_2 zones.									S2	597	10
												S2	655	10
			55 - 56 Soft punky clay zone.									S1	704	90
												S2	704	5
			203 - 204 Soft punky clay zone.									S1	797	to 90
												S2	797	5

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

Diamond Drill Record

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			204 - 211 Breccia zone, 1.5' recovery, pro-											
			bably washed out clay zone.									S1 S2	846 846	to 90 0-5
			276 - 277 Brecciated phyllite $CaCO_3$ cemented.									S1 S2	902 902	90 5
			314½- 315 Brecciated phyllite $CaCO_3$ cemented.									S1 S2	966 966	to 90 10
			581½- 582 Soft clayey "punky" zone.									S1 S2	1012 1012	90 2-3
			585 - 588 Soft clayey "punky" zone.									S1 S2	1057 1057	to 90 10
			787 - 789 Soft clayey fault zone.									S1 S2	1112 1112	to 90 7
			1155 -1157 Soft clayey fault zone.									S1 S2	1127 1127	90 5
			1170 -1171½ Soft clayey fault zone.									S1 S2	1184 1184	90 7-10
			Section 1152-1176 poorly cohesive with several clay									S1 S2	1247½ 1247½	90 7
			and fragmented core zones.									S2 S1	1249½ 1259	22 90
			1250 -1251½ Phyllite breccia - $CaCO_3$ cemented									S2 S1	1259 1303	10 90
			S_2 vertical at 1251, 22° at 1249½.									S2 S1	1303 1355½	10 90
			1388 -1390 Calc. carbonate zone with chlorite									S2 S1	1355½ 1388	8 90
			showing incipient alteration to									S2	1388	9-12
			brown mica (biotite?) or brown											

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

Diamond Drill Record

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			chlorite?). Incipient chlorite (?)											
			mica bleaching.											
1390	1422	99%	1390-1422 - Gradational increase in SiO_2 banding.									S1	1412	90
			Quartz content increasing slightly with depth.									S2	1412	15
			1416-1422 - Brecciated appearance due to boudinaging											
			and fragmentation of $CaCO_3$ layers and cross cutting											
			foliations.											
1422	1429	99%	Chlorite quartz carbonate phyllite - chlorite green									S2	1427	22
			color (change in chlorite and quartz content).											
			Mineralization: As previous section.											

Diamond Drill Record

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

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-9
CLAIM NAME
COMMENCED
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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
1429	1549	101%	SULFIDE MINERALIZED SECTION - GRUM ZONE EXTENSION		Split	Core								
			1429 - 1454 - 95% Recovery.	1,431.3	1,433.0	1.7	19599	1.90	4.08	.07		S2	1444	35°
			Graphitic sericite - quartz phyllite. N.B. - no	1,433.0	1,436.4	3.4	19600	1.25	1.78	.07				
			carbonate.	1,438.5	1,442.0	3.5	19601	.05	.07	.02				
			Mineralization: Total sulfides average approximately	1,442.5	1,448.1	5.6	19602	.14	.10	.02				
			5% - 7% for section. Sphalerite and pyrite parallel	1,450.1	1,453.5	3.4	19603	.46	.60	.02				
			to rock compositional banding is parallel to S2.											
			Core is slightly brecciated and SiO_2 cemented											
			except section 1437-1440. Soft clayey section											
			1448-1450, fine grained gray quartzite (?).											
			1454 - 1459.5 - 96% Recovery.	1,459.25	1,460.25	1.0	19604	3.15	11.10	.34		S2	1455	30°
			Green and white banded chlorite sericite schist.											
			Gneissic texture 60% sericite, 40% chlorite.											
			No mineralization.											

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

Diamond Drill Record

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-9
CLAIM NAME
COMMENCED
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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			1459.5 - 1460.5 - 100% Recovery.											
			Quartz and massive sulfide appear to be infilling											
			in fractures. 35% total sulfide - pyrite and											
			sphalerite, fine grained typical buckshot appear-											
			ance of Anvil Range massive sulfides with pyrite											
			grains averaging 1/16" diameter.											
			1460.5 - 1462.5 - 96% Recovery.											
			Green and white banded rock as 1454-1459.5.											
			1462.5 - 1463.2 - 100% Recovery.	1,462.5	1,463.3	0.8	19605	1.50	1.78	.04				
			Massive sulfides. This section mainly pyrrhotite											
			and pyrite.											
			1463.2 - 1464 - 96% Recovery.											
			1429-1454. Graphitic phyllite approx. 5-7%, total sulfide as	1,463.3	1,464.0	0.7	19606	.35	.60	.03				

Diamond Drill Record

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

COMPANY NAME
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PURPOSE OF HOLE

HOLE NO. 456-75-9
CLAIM NAME
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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Lcc.	Value
			1464 - 1465.1 - 100(?)% Recovery.	1,464.0	1,465.15	1.15	19607	3.08	4.56	.04				
			Massive sulphides - mainly pyrrhotite and pyrite.											
			10% sphalerite.											
			1465.1 - 1469.0 - 112% Recovery.											
			Chlorite sericite quartz "schist" - green and white											
			banded rock. 5% bleached. No mineralization.											
			1469.0 - 1487.0 - 97% Recovery.	1,469.2	1,470.0	0.8	19608	3.38	5.52	.05		S2	1,472	20°
			Quartz sericite chlorite phyllite, 60 - 70% quartz,	1,470.0	1,474.4	4.4	19609	1.01	1.02	.08				
			sericite:chlorite = 3:1.	1,474.4	1,478.6	4.2	19610	0.53	0.74	.06				
			Mineralization: 5-7% total sulfides, of which 60%	1,478.6	1,484.7	6.1	19611	0.38	0.72	.06				
			is pyrite, 30% is pyrrhotite, 6-7% sphalerite,	1,485.5	1,487.2	1.7	19612	0.43	0.50	.07				
			3-4% galena(?).											

Diamond Drill Record

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

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-9
CLAIM NAME
COMMENCED
FINISHED
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FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			1487.0 - 1,549.0 - 104.5% Recovery.	1,487.7	1,493.5	5.8	19613	0.10	0.07	.03		S2	1537	10°
			Sericite chlorite quartz phyllite, 60% micas;	1,529.0	1,529.8	0.8	19614	1.03	1.66	.03		S2	1547	20
			Sericite:chlorite ratio is 1.5:1; rock has medium-			SPLIT CORE								
			gray color.	1,531.0	1,537.65	6.65	19615	0.53	1.14	.03				
			Bleached sericite sections at 1530-1531, 1538-1545.5	1,537.65	1,540.85	3.2	19616	0.38	0.25	.06				
			Rock has tan color when wet.	1,540.8	1,545.0	5.2	19617	0.26	0.39	.05				
			Mineralization: Total sulfides for section, 3-5%	1,548.6	1,549.0	0.4	19618	1.73	5.59	.08				
			pyrite and sphalerite with short sections 10-15%											
			sulfides at 1529-1530, 1531-1537.5 (approx. 15%),											
			1542-1546 (approx. 10%).											
1,549	1,583	95%	Graphitic sericite(?) quartz phyllite; generally brec-									S1	1581	90
			ciated appearance due to the boudinaging and breaking									S2	1581	10
			of quartzite bands.											
			1555-1557 - bleached clayey zone.											
			1564-1565 - clayey graphitic zones.											

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

Diamond Drill Record

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Loc.	Value
			1564.0-1565 - clayey graphitic zone.											
			1565.0-1569 - clayey graphitic zone.											
			1578.5-1583 - carbonate cemented brecciated graphitic phyllite.											
			Mineralization: Total 3%, pyrite 95%, trace pyrrhotite, sphalerite 3-4%, 1549-1549.5. Mineralization parallels rock comp bands.											
1,583	1,624.2	83%	Graphitic sericite minor quartz phyllite. 70-80% micas and graphites, rest quartz. Mineralization: 1-3% total sulfides, mainly (95%) pyrite. Mineralization parallels rock comp bands.									S1 S2 S2	1605 1605 1624	30° 30° 35°
1,624.2	1,631.5	102%	Chlorite quartz carbonate phyllite; grain size slightly larger than previous phyllite except for brecciated graphitic phyllite. $CaCo_3$ is probably from oxidized graphite.									S2	1629	20°

Diamond Drill Record

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

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 456-75-9
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	REC.	DESCRIPTION	SAMPLE				ASSAYS				STRUCTURE		
				From	To	Width	No.	Pb	Zn	Cu		Struct	Lcc.	Value
			Mineralization: 1% total, all pyrrhotite in two ½"											
			and a ¼" band parallel to chlorite bands.											
1,631.5	1,720	86%	Quartz diorite, fine grained 2-5 mm to quartz biotite											
			diorite.											
			Top 2" brecciated. Contact sharp.											
			Rock bleached - altered 1631-1645.											
			Possible xenolith - reconstituted xenoliths 1634-1635.											
			Mineralization - none.											
			T.D. 1,720											
			Recovery: Total core: 1,635.6 feet recovered.											
			Drilled: 1699											
			Percent recovery: 96%											

CYPRUS ANVIL MINING CORPORATION Page 1 of ____

DIAMOND DRILL CORE LOG Date: ____

Hole Number: 456 7509

Reference Fabric Orientation Diagram:

Project: VANGORDA PLATEAU REMAP

Location: VANGORDA PLATEAU

Claim: TIE

Terr.Plane Co-ords.: 6905787.0 N (measured from 1979 115000 Orthophoto)

591302.0 E

Grid Co-ords: L116W / 1+00N (KA grid)

-90°

All symmetry determinations looking

Elevation: 1303.0 m. NW with 52 dipping

Total Depth: 524.3m SW with dip azimuth 230°.

Purpose: Test extension of Grum Deposit into TIE (assessment)

Reason hole Terminated: hit batholith

Logged by: LCP / GAS Date(s) Logged: Aug 1984

Drilling Contractor: ARCTIC

CORE Size	From	To
BQ	____	524.3m
____	____	____
____	____	____

Collar Cased and Capped: ____

Hole Cemented: ____

Steel down hole: ____

Started: APRIL 20/'75 Completed: May 3/'75

Cyprus Anvil Mining Corp. Page 2 of _____

DDH 4.5.6.7.5.0.9. (2 ... 8)

Diamond Drill Core Log Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T	4.5.6.7.5.0.9	1.1.3.0.3.1.0	9.0.5.7.8.7.1.0	5.9.1.3.0.2.1.0	FEET	5.2	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	4.5.6.7.5.0.9	1.0.0	1.8.0.1.0	1.9.0	A.T. C.O.L.L.A.R.
R	4.5.6.7.5.0.9	1.6.0.1.0.0	1.7.4.1.0	1.3.1.8.0	A.C.I.D. T.E.S.T.S. I.N. A.Z.I.M.U.T.H.S.
R	4.5.6.7.5.0.9	1.9.0.0.0	1.6.1.7.0	1.3.1.5.0	F.R.O.M. F.A.I.R.I.E.S.
R	4.5.6.7.5.0.9	1.7.2.0.0	1.7.1.7.0	1.4.2.0	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 8	10 56

C.A.M.C. 1981-E-2

DDH 456.7509 (2 Feet. 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Page 3 of _____

Date: _____ Logged By: LCP GAJ

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	0	21		1	#	Overburden - no recovery
L	21	189		2	SBO	
						mod soft, well lithified, mod - very calc, med grey to med light grey, phyllite Typical SBO with coarse quartz calcite bands - fine grey noncalc phyllitic bands and intermed size/compn bands
						euhedral porphs of py and po after py - rectangular outline Locally with pressure shadows of qtz-calcite - Po + py in separate porphs and subequal abundance. No green mineral in coarse bands
						21-27 rusty orange brown surficial weathering core essentially intact with a few minor poker chippy zones of "Tuscan gauge at 56' = IND 157'-167' & 1' of rubble recvd
L	189	195		3	SB3	
						medium to med light grey PS_2 foliated mod soft very calc phyllite -
						Consists of thickly laminated mod soft calc bands sep. by thin lamina of dk grey soft micaceous bands which are non calc.
						No porphs noted, Intact
L	195	197		4	SBGT	
						mod soft, PS_2 foliated, non calc dolomitic med grey phyllite Dolomitic bands weath tan brown
						No. porphs noted last 6" = qtz vein -
						dolomite altn related to next unit - Intact

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

DDH 456 7509 (2 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: LCP/GAJ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	197.0	211.0		5	SB6	±$ BXA
						non calc, locally dolomitic, med grey to med dk grey, mod soft gouge and fault brx - Largely
						incip gouge - gouge to 204' - 204-211 ± rubble
						of grey fault rock with clasts of chert &
						veins & grey phyllite in grey non calc rock
						flour matrix
						197-211' = 4' of core recvd.
						197-204 = 3' " " "
						204-211 = 1½' " " "
L	211.0	215.2		6	SB6$	
						med soft med grey non calc dolomitic PS_2 foliated to slightly
						lithoned Phyllite
						Typical banding for SB but dolo qtz not calc - qtz -
						not lithoned yet bounded
						Presumably related to fault above -
						Some crackle brx at 20° to CA
						No porphs seen.
L	215.2	220.0		7	SB0	
						med grey PS_2 foliated to mod. lithoned mod soft calcareous
						phyllite
						No porphs after Pyrite no green mineral developed
						in coarse calc+qtz bands.

DDH 4567509 (2 — 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
L	220	222.5		8	SBO	BXA
						med grey, mod soft to mod hard non calc to slightly calc locally fault rock with qtz calcite & phyllite clasts in a locally slightly calc grey sericitic matrix
						upper contact drilled away
						lower contact 11 to qtz vein at 25/000
L	222	374.5		9	SBO	
						med grey, mod soft, well lithified, calc phyllite Typical SBO.
						Py porphs and po porphs po slightly greater than py in mixed.
						No green mineral in calc qtz bands.
						Core intact to 311'
						313 – 320' mod to strongly broken (call rubble & incip gouge
						320 – EOI essentially intact
L	374.0	436.5		10	SBO	(SDO) 95%
						med grey mod soft mod to well lithified calc phyllite distinguished by having thin interbands of homogeneous to foliated calcareous yellowish green chlorite phyllite. Contacts 11 S Bands are 1 cm – 10 cm thick
						Intact
						py and po porphs – some porphs have both py + po – qtz calc bands locally have minor amount of dull med green mineral noticeable on wet cut surface.

DDH 456750S

Cyprus Anvil Mining Corp.

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	436 S	440 S		11	SBP	
						typical colour, text & calcite content, lithonued to PS, foliated, intact
L	440 S	469 S		12	SBG	
						med grey, mod soft, non calc PS, foliated to mod lithoned phyllite - not dolomitic
						Contains gtz-se bands with no carbonate - less than typical amount of gtz bearing interbands of SBG ∴ can see banding within phyllitic portions in shades of grey.
L	469 S	481 D		13	SBO	
						mod soft calc mod lithoned med grey typical SBO
						Core is mod to strongly broken.
						470' - 477' = 2' recvd.
						477 - EOI = intact
L	481 D	486 S		14	SBG/S	
						med grey, mod soft, mod lithoned non calc dolomitic phyllite - gtz-se bands with dole weath light tan brown color.
						no porphs seen
						Core intact to mod broken - no fault to relate dole to! - original dole ??

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

DDH 4567509 (2 / 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	486	769		15	SB10	
						med soft, med grey, mod lithoned, calc phyllite
						Both Py + Po porphs - no mixed seen - roughly equal Py + Po.
						no major amount of green mineral in qtz carbonate bands
						intact to 585'
						585 - 587.5 = gouge, incip gouge, lower contact 11 Sc (artifact)
						Upper contact against qtz vein. + is IND
						587.5 - 760.5 = intact except 707 - 708.5 is poker chippy
L	769	763		16	SB6N	
						Typical SB texture with tan weath qtz dolo bands instead of qtz calcite bands - Core poker chippy but no significant faults.
L	763	780		17	SB10	
						mod soft med grey mod lithoned calc. phyllite Intact
						Both Py + Po porphs - more Py than Po in this interval
						no mixed seen.
						no major green mineral in calc bands.
L	780	794		18	SB6N	± 0
						med grey, med soft, dolomitic mod lithoned phyllite -
						Some intervals have calc. to + dolo. - Dolo weath to a tan brown. Core mod blky to 784'. No porphs seen

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

784 - 785' = incip gouge
785 - 788' = intact to mod blky
788 - 789 = rubble incip gouge + gouge steep calcite filled fract at 20° to core axis breaks on a fracture at 50° to CA in opposite direction
789 - 794 = intact

DDH 4567509
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	794	1040		19	530	(SDO) trace.
						med grey mod lithoned, mod soft, calc phyllite
						At 834' have 8cm of med xln blue grey
						calc. gte unit.
						Porphs of pyrite and porphs of po. PO > PY
						no mixed porphs seen.
						Locally get minor amounts of med green mineral
						in gte carbonate bands but not ubiquitous
						Core is intact to mod blky to 886'
						886-888' = poker chippy local rubble + incip gouge
						888 - 1040 = intact
						minor S_2 // SDO bands 3cm thick one at
						984.5' other at 1028'
L	1040	1043		20	5010	(530) 70:30
						yellowish green, PS_2 foliated, calcareous clay phyllite with S_2 //
						bands of coarse calc+gte.
						Minor fuchsite blebs.
						Interbanded to interlaminated with 530 grey phyllite
						intact
						no porphs seen
L	1043	1059		21	5310	
						med grey, mod soft, lithoned, calc phyllite. Minor med green
						mineral in coarse gte calcite bands but not obvious - have to
						look for it.
						Mainly Po porphs - flat elongate in S_2 ' slightly more irregular
						in outline than above
						Intact

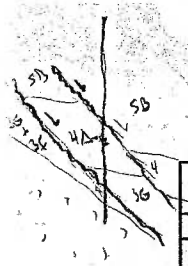
DDH 456750 9
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Date: Aug 84 Logged By: LCP/GAJ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1059	1066		22	SBQ	med dk grey, mod soft calcareous PS_2 foliated to moderately lithonied phyllite slightly darker grey than overlying unit - upper contact gradational. 1 small chert nodule po porphs core is poor chippy overall & 1063-1064 is rubble due to breakage along fractures at 20° to CA
L	1066	1075		23	SDQ	(SBQ) 80:20 PS_2 foliated mod soft yellowish green calc chl/sericite phyllite - minor bright green fuchsite spots - both coarse "beady" qtz calc bands and finer med grey calcareous lamina. Interbanded with SBQ on cm to 10's cm scale. S_2 folia are silvery light olive green on SD (SB are typical dk olive grey) Mod broken to intact
L	1075	1080		24	SBQ	± 2 minor PS_2 fol to locally lithonied - calcareous med grey to med dk grey phyllite - Py with irregular outlines assoc with qtz calcite veins - no good porphs. Intact

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



DDH 4567509
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1081.0	1083.5		25	SDO	(SBO) 60:40
						calc med soft yellowish green PS_2 foliated chl phyllite - both lamine types and fuch spots as #23 in SD
						Most SD in upper portion of unit. SBO in bottom
						Lower contact last small (2cm) band of SDO
						Intact
L	1083.5	1221		26	SBP	
						med soft calc. med grey mod lithoned typical SBO
						1204.5' = SD band - 5cm thick
						Dominantly Po porphs a few Py and some mixed with
						py going to po.
						Intact to 1155'
						1155-1171' = med to strongly broken, local rubble & incip gorge zones - 11 S_2 recvy ok - minor fit
						1171-1221 = intact
L	1221	1237.5		27	SBO	(SDO) 80:20
						SD as 1-20 cm bands - olive green PS_2 Fol - thin bands calc lt lamine and thicker calc qtz bands. - sharp contacts 11 S_2 and locally S_1
						SB well lithoned, med grey & calcareous
						1py and 1po porph noticed
L	1237.5	1267.0		28	SBO	
						mod well lithoned, typical SB texture - The lithons here are becoming thinner (1-3cm thick) with more pronounced, thicker dark S_2 folia between them as go down in the hole.
						Po porphs and 1 mixed py:po
						intact to 1266'
						1266-60J = rubble

DDH 456-7509 (2 / 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: Aug 84 Logged By: CCP/GAJ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1267	1269		29	SB6$	
						Same phyllite as above but with dolo+qtz bands and lithons rather than calc+qtz -
						Lower contact with gouge+rubble zone 115$_2$
						but with fractures nearby at 45°/000 to CA
L	1269	1272		30	SB20	
						slightly darker grey lithoned calc phyllite - lithons
						1cm thick and internally finely comminuted
						as usual - 1st 6" is gouge remainder
						intact
L	1272	1309	S	31	SBP1	(500) Tr
						med. soft calc, lithoned, med grey
						7cm SDO band at 1287' w S$_2$ // contacts - slight bleaching for 5mm next to contact (millimetres)
						some Py porphs but mainly Po and minor mixed.
						Intact
L	1309	1312		32	SB6$	
						m grey mod soft generally PS$_2$ foliated locally lithoned noncalc
						dolomitic Phyllite
						no porphs seen
						1st 1 Foot is rubble to strongly broken
L	1312	1378		33	SBO	
						med grey mod well lith-ed mod soft calcareous Phyllite - Locally
						med to dk green mineral in calc+qtz bands but not ubiquitous.

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

Minor PO porphs and lesser pyrite porphs.
Intact to 1376', 1376-1377 = driller induced rubble.
1377-1386 = intact 1386-1387' = incipient crackle brx that rapidly changes into flaser foliated fault rock with grey vein clasts for last 1" foln @ 40°.

DDH 4567509
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Date: Aug 81 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1387	1389		34	SDO	
						olive green PS_2 foliated mod soft calc excellent slightly coarser irregular, subsandy calc gtz bands
						S_2 folia are light silvery green with splotches of med green.
						Uppermost 3" is sheared with flaser texture as in last unit
L	1389	1422.5		35	SBO	± Bio v. minor
						Mod soft, med grey, mod lithified calc phyllite
						Top 05 interval to 1392' looks sheared and has incipient crackle brx - it has greenish tinge and locally has biotite developed in calc gtz bands possibly related to higher calcite content or gtz veining or shearing ???
						Thin SDO band 10cm at 1393'
						Last 1' is dolomitic and non calcareous
						Intact.
L	1422.5	1428		36	SDG$	→ SDO
						top = 1424' is dolomitic below 1424 is calcareous.
						Mod soft, homogenous, PS_2 foliated med to olive green, chl phyllite
						Lower contact placed at start of transition to greenish grey phyllite with silvery grey on S_2 folia
						At ≈1427.5 start to get shearing / flaser fabric / fault brx. material which obscures lower contact.
						Core broken - some rubble and reddrilled core, but recvy ok

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

DDH 4567509 (2 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1,42,80	1430 S		37	SAB1	(SD) (SB4) BXA
						Interleaved carbonac. phyllite. olive green metabasalt & greenish grey altered phyllite.
						Typical fault rock texture ala Tie fault
L	1430 S	1440		38	SA91	minor BXA
						dk grey to black, mod hard to hard non calcareous
						PS_2 foliated Phyllite
						Locally moderately soft
						locally contains well developed dissem sulphide banding
						py and sphal in lamina to lenses which are continuous
						to discontinuous across core.
						Texture like sheared rock of augen/lenses/clasts of
						qtz in a wavy irregularly foliated matrix
						Core split might have been rubbly before splitting
						Does not look like typical 4A qtz s = banding
						just fine grained sulphide bands in uniformly fine
						grained phyllitic material rather than the fine grained
						hard blue grey bands of 4A.
						continuation of flaser texture and taste of similarity
						to 4A suggest continuation of above fault rocks.
						with sulphide flooding / impregnation ??
						1437-1438 = gouge
						1438-1438.5 = qtz vein
						1438.5-EOL = rubble coarse & fine
						tot S = from 5-30% average ~10% 5-10cm very sulphide rich bands

change to 1431.3

4% Zn LIP
2% Zn GT

DDH 45C7509

Cyprus Anvil Mining Corp.
Lithologic Log

Date: May 84 Logged By: CCP/CAT

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1,449	1,448		39	SA69	v. minor
						dk grey to black, pS$_2$ foliated, moderately soft to locally moderately hard, non calc, carbonaceous phyllite
						Minor "dolo flash"
						Rock locally bxtd - In this section phyllite has more regular planar S_2 crenulation - Bxn is along late steep fractures.
						Minor Py po. mainly along late fractures minor dissem sphal.
						split - ? original stable.
L	1,448	1,450		40	SD$\frac{1}{4}$	minor
						med soft, dull greenish grey, homogenous, pS$_2$ foliated, non calc, dolomitic chloritic phyllite
						homogenous texture fine grain size and qtz dolo bands implies SD
						Abundant qtz ± dolo veins along x cutting fractures - S_2 locally quite steep
						not split - originally intact
L	1,450	1,453		41	SA65	minor 9 minor
						dk grey to locally black, non calc, weakly dolomitic, mod soft to mod hard. pS$_2$ foliated Phyllite
						Thinly laminated with dk grey slightly dolomitic bands.
						Pyrite is main sulphide occurring in x cutting fractures - minor Py as euhedral porphs.
						v. minor dissem fine grained sphalerite
						Planar S_2 fabric - no readily visible flaser foln.

change to 1454.0

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

DDH 456,750,9 (2 — 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
L	1,453	1,460		42	5C57	
						soft, dolomitic, med gray / dk green leopard rock textured metabasite well developed anastomozing chl phyllike.
						Overall color of rock more gray than green.
						Upper 2" is strongly foliated with local flaser folh textured bxa. —
						lower contact is transgressive to S_2 minor fault or sulphide "intrusive" contact.
L	1,460	1,461		43	4D45	7
						massive pyrrhotite with minor sphal and massive pyrrhotitic pyritic sulphides also with sphal. with coarse dolo qtz veins / patches.
						$S^{=}$'s are fine grained banded and are transgressive to S_2 — vein?? or ductile flow intrusion?
L	1,461	1,463		44	5C67	(SD6) 70:30
						strongly foliated, banded, gray & med green leopard rock, w/ calc non dolo (no fizz in 20%), mod soft
						bottom 6" is homogenous fine grained med greyish green
						lower contact ~// S_2 & sharp
						upper contact is flaser textured bxa.
	1,463	1465		45	4E48	(5A69 / minor) 70:30
						Non calc nearly massive pyritic sulphides fine grained poorly banded with sphal rich bands — discont. black mt. streaks. Locally sulphide in sulphide bxa texture. Central 6-8" is dk gray to black
						hard to mod hard, P S_2 foliated, non calc, carbonaceous slightly silicious Phyllike with some qtz-py banding (ala 4A)
						Split originally intact? remaining bits of rubble at contact says upper // S_2 lower minor flt at 30° to CA cutting S_2 (?)

change to 1459.5

change to 1460.5

change to 1462.5

change to 1465.1

4E8 ± 4 sec cavings

DDH 45-87-509 (2 — 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
L	1,465	1,469		46	SCH17	
						Layered sch - dolomitic metabasite similar to #42
						Top 6" is homogenous med green non calc nondolomitic
						SD 6
						symmetry suggested with sulphides & phyllite for this unit
						and last 2 units suggests fold hinge centered around
						phyllite at ~ 1464' of this same metab as #44 ?
L	1,469	1,470		47	(HEP)	BXA
						massive to nearly massive pyritic sulphide Local sulphide in Sulphide
						brx. texture - minor sphal banding
						Upper contact minor fault at ~10° to CA
L	1,470	1,472		48	HCS?	? [SA6491] ? [SB6291]
						med dk grey to dk grey - non calc med hard to
						hard (most soft locally) PS_2 foliated phyllite
						S_2 folia silvery grey to black
						Sulphides are PO > PY > SPHAL - Po tends to form
						fine grained network along fractures - Py as
						small euhedral porphyroblasts - Sphal disseminated
						associated with the po network
						1 piece looks like 4A rest looks more like "altered - silicified"
						phyllite - tot S= ~5-10%
L	1,472	1,487		49	HCQ?	[4L12477 ?
						creamy white, med hard to hard muscovitic qtz-ite with qtz S= bands 1/cm thick containing
						py po + minor sphal. Both along S_2 & folded by S_2 - Same sulphides also along
						S_2 cutting fractures. Within qtz S= bands sulphides form fine
						network texture. Tot S= ≈ 15% PY > PO. Altered wallrock, Altered 4A
						or just originally 4C ??- can't tell.
						Split originally intact

See assays 4E4

DDH 4567509
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

change to 1493.5

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1,4,8,7 0	1,4,9,3 0		50	5B2,6	9 ± 4 [3G96 ± 4]
						med gry to dk gry, med soft to mod hard, noncalc, PS_2 Foliated phyllite -
						Locally well developed flaser foln bxn texture - minor qtz augen Py and Sphal and minor po disseminated along fine fractures
						2 short (10cm) intervals where phyllite is bleached to musc qtz off creme phyllite with same fracture network sulphides. Tot $S^= \doteq 5\%$
						Split originally intact
L	1,4,9,3 0	1,5,1,3 0		51	3G01	stringered → (3G4 stringered) 95:5
						medium to med dk grey mod soft noncalc generally PS_2 foliated locally lithonod Phyllite.
						S_2 Foln steely grey -
						contains minor xcutting qtz chl ± po. fine stringer veinlets and also some that are folded.
						Contains xcutting med xln creamy wealth qtz clots veinlets
						Last 1.5' is bleached to light grey green - Core has the stringers intact
L	1,5,1,3 0	1,5,1,4 0		52	5C$7	minor
						light greyish green PS_2 foln dolomitic chl phyllite - appears to contain minor 3G4 band in center - minor green chl along S_2 foln
L	1,5,1,4 0	1,5,2,9 0		53	3G01	Stringered minor → (3G4 stringered)
						Same as #51 - lower contact has flaser foln bxn. for few cm. only minor stringers Top 3' slightly altered to light greenish grey to med

DDH 456.75.09 (2 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	1529	1530		54	4D5	(4LO) 70:30
						pyritic base metal bearing qtzite with minor interleaved offcreme musc phyllite, S_2 folia in qtzite are locally dk grey to black.
						overall colour of qtzite is med grey with brown sphal sections.
						Total S= ≈ 30% py ≥ sphal
change to 1531.0						
L	1530	1531	S	55	5D46	9±3
						light greenish grey to greenish white - PS_2 fol - homogeneous -
						locally calcareous phyllite
						S_2 Folia are pale greenish creme.
						Minor fg py dissem in streaks along S_2 and in crosscutting
						fractures.
						intact - last 6" split.
change to 1538.0						
L	1531	1537	S	56	5A116	9 minor & minor (4DO) 60:40
						dk grey to black generally med hard to hard locally med soft
						weakly dolomitic, non calc carbonaceous siliceous phyllite.
						Dolo dissem in thin m. grey lamine. S_2 Folia are dk steely
						grey
						Minor qtz S= banding w/ py >> sphal
						Interbanded on thin to med scale is offcreme musc. qtzite, non calc
						containing qtz S= bands with py >> sphal
						Sulphides much more common in musc qtzite ≈ 3.5% tot S=
						tot S= in carbonac phyllite = 5% or less
						Contacts between lithologies are sharp.
						5A transitional to 4AO esp in upper portion of interval - Overall
						5A is quite micaceous
						Split originally intact

DDH 456,750,9 (2 / 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

change to 1545.5

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
L	1537.5	1545.0		57	HC10	SERICITIC [462±1]
						pale greenish white, mod soft to hard, musc qtz phyllite
						Contains qtz S_2 bands 1% locally, D_2 folded.
						Dominantly py in the bands - bands 2-3 mm
						to up to 1 cm thick
						At 1538.5 is 5 cm of 5064
						Upper contact gradational and marked by
						lack of carb phyllite interbands
						Lower contact is minor fault at 20/000
						Tot 5° ≈ 10% mainly py minor sphal.
						Split originally intact
						Probably altn. superimposed on previous unit
L	1545.0	1551.0		58	3G9	→ 3G9 BXA downhole
						Mod soft to mod hard, PS_2 Fol, non calc, mod dk grey phyllite
						Minor interbands of greenish grey 5064, 2 bands 5 cm
						thick
						Unit has very disrupted S_2 foliation locally, approaching
						flaser fabric.
						One band of carbonaceous siliceous pyrite rich phyllite
						5 cm at 1549'
						Starting to see fault bxa and exotic clasts within the bxa.
						such as the last mentioned band.
						Most of unit is just incipient flt bxa grading into
						next unit.

DDH 4567509 (2 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1,5,5,1,0	1,5,6,8,5		59	SA61	BXA (3G0)(SD46)
						Hard dk grey to black flaser foliated fault rock -
						Veins of qtz augen
						Irregular, shaped networks to disseminated pyrite along flaser foln. (not sulphide clasts)
						Local minor clasts of pale creme fine grained meta basalt
						Minor calcite clasts
						Locally phyllite is mod soft medium grey
						Locally flaser foliation is folded.
						Intact to 1560'
						1' gouge at 1560'
						Intact 1561-1564
						1564'-1569 = variably IND gouge
L	1,5,6,8,5	1,5,7,1,0		60	3G916	minor → 3G916 minor
						dk grey to medium dk grey to mid grey, mod soft to mod hard to
						locally hard. generally PS_2 foliated ± Carbonaceous Phyllite
						Py as irregular network in xcutting fractures
						Minor interbanded SD64 as #59.
						S_2 clevage is relatively planar - less disrupted phyllite than #59
						Intact
L	1,5,7,1,0	1,5,7,8,5		61	SDV4	minor
						Hard light green, homogenous, non calc, chl musc qtz to
						Lower contact gradational into well developed fault bxa with
						clasts of this unit and the next unit in light med green
						matrix. Probably a SD band that was silicified
						and then involved in faulting
						intact

DDH 4567509
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1578 S	1581		162	3F9	
						v. dk grey finely x'ln calcite marble interbanded with minor lesser carbonaceous mod soft phyllite - extensive crackle bxa developed - local zones of high shearing flaser texture developed
						Minor py & sphal on fractures — Intact
L	1581 S	1607 S		163	3G9	± BXA
						dk grey mod soft to mod hard, ps. Foliated, non calc, Phyllite locally thinly laminated in shades of grey - color banded but all bands ~ same hardness
						Uppermost 1' is fault bxa - typical "SA*" type bxa grades down into normal phyllite with zones of crackle bxa and local fault bxa - Intact
L	1607 S	1609		164	SC$	BXA
						Strongly fractured/veined - strongly sheared, dark green, slightly chloritic soft chloritic phyllite - Cross cutting fractures filled by dk green chl py & reddish brn sphal ~ zip all grade
						Locally relict mottling seen with tan weath dolo ~ Intact
L	1609	1621 S		165	3G10 9	BXA
						Fault Bxa - dominantly non calc mod soft med dk grey phyllite — lesser lithologies include:
						dk grey to black carbonaceous phyllite
						pale greenish grey fine grained calcareous metabasite

DDH 456750 9
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						generally has moderately to well developed flaser foln - locally w/ calc qtz augen
						Intact
L	1621 5	1631 5		66	3Fo	calc silicate
						Med xln. med grey to bluish grey calcite marble with interbands of green calc silicate
						Very fractured and broken aspect - Irregular 5 ± 11 shear planes but lacks fine grained flinty mylonitic appearance
						Core Intact.
						Crackle bxn ; coarse qtz calcite veinlet // to core axis
L	1631 5	1702		67	10 AB1	±9
						med xln biotite quartz diorite excellent quartz ribbon foliation developed. Locally highly altered to off creamy white still hard presumably clay rich assemblage -
						Locally contains coarse quartz felsic musc tourmaline pegmatite veins which are folded // to foliation in host rock but contacts not // foliation
						Minor presumed K-sp microphenocrysts in main intrusive
						C/S bands visible mainly in some of the highly altered off white sections
						Locally rock is brecciated to fault bxn - local calcite on fractures
L	1702	1704		68	1B0	[1813]
						med green hard calcareous calc silicate inclusion in intrusive - looks like coarse grained tactite - contains minor garnet.
						intact

DDH 4567509
2 8

Cyprus Anvil Mining Corp.
Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1704	1720		69	PABI	±9
						Same as #67 locally altered to pale green color — still with excellent ribbon qtz folia — shear foln visible locally in unaltered intrusive
						Intact
						1720 = EOH zzzz.
						Tie Earth is 1428' - 1631'

DDH 45,67,50,9 (2 … 8) Feet — **Cyprus Anvil Mining Corp.** — Page 24 of _____

Structural Log — Date: Aug 84 — Logged By: LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 … 14	16 … 20	22 … 24	26	28 … 32	34 … 38	40 … 44	
S		1,12,5	CS,2				9,0	
S		1,12,9	CS,2				9,0	→ PS_2 CS_{A1} = 44° to CA
S		1,13,0	CS,2				6,5	L_2 is ~060 wrt low point
S		1,19,2	CS,2	S			8,0	
S		1,11,7	CS,2	S			7,3	
S		1,12,9	P,S,2				7,4	
S		1,14,8	P,S,2				7,9	
S		1,17,5	P,S,2	D			7,0	→ CS_2
S		1,19,4	P,S,2				7,4	CS_{A1} = 49/065
S		12,16	CS,2	S			7,7	L_2 at 070 wrt low point
S		12,36	CS,2	Z			6,3	
S		12,56	P,S,2				6,2	
S		2,70	P,S,2	S			7,5	→ CS_2
S		2,97	CS,2	S			7,4	→ PS_2
S		3,25	CS,2	S			6,5	→ PS_2
S		3,43	CS,2	S			7,7	L_2 at 90°
S		3,68	P,S,2				8,5	
S		3,78	CS,2				8,4	
S		3,96	CS,2				8,3	
S		4,16	P,S,2				7,8	
S		43,1	CS,2	S			7,8	
S		45,9	P,S,2				7,9	
S		4,97	CS,2				7,9	→ PS_2
S		5,07	P,S,2				7,6	
S		5,12	P,S,2				8,5	→ CS_2
S		5,45	CS,2				8,9	
S		5,77	P,S,2				7,7	
S		5,82	CS,2	S			7,6	
S		5,97	P,S,2				9,0	
S		6,24	P,S,2				8,2	
S		6,45	P,S,2	Z			7,9	
S		6,78	P,S,2	D			8,2	→ CS_2
S		6,92	CS,2	S			8,3	
S		7,07	CS,2				8,5	
S		7,24	CS,2	S			8,4	
S		7,43	CS,2	S			7,8	→ PS_2

DDH 456,750,9 (2 — 8) Cyprus Anvil Mining Corp. Page 25 of _____

Structural Log Date: _____ Logged By: LCD

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 — 14	16 — 20	22 — 24	26	28 — 32	34 — 38	40 — 44	
S		1767	CS2				82	→ PS_2
S		1790	PS2				81	
S		1804	CS2				87	→ PS_2
S		1834	CS2				90	
S		1849	CS2	D			81	→ PS_2
S		1877	PS2				72	
S		1902	PS2				80	→ CS_2
S		1929	CS2	S			83	
S		1951	PS2				84	
S		1967	CS2				90	
S		1989	PS2	S			63	→ CS_2
S		2007	CS2	D			83	
S		2027	PS2				83	
S		2022	CS2	Z			80	
S		2050	CS2	S			85	
S		2069	PS2				63	
S		2086	CS2				90	
S		2100	CS2	M			77	
S		2120	CS2	M			69	
S		2144	CS2	M			79	
S		2176	CS2	S			85	
S		2197	CS2				90	
S		2210	CS2				90	
S		2270	PS2				89	
S		2344	PS2				84	
S		2359	CS2	D			75	
S		2364	CS2	S			62	
S		2372	CS2	S			82	
S		2395	PS2				75	
S		2404	CS2	D			76	
S		2424	CS2	S			80	
S		2453	CS2	S			85	
S		2471	CS2				70	
S		2495	CS2				68	→ PS_2
S		2511	CS2				80	→ PS_2
S		2523	PS2				69	

DDH 456.7509 (2 / 8) Cyprus Anvil Mining Corp. Page 26 of _____

Structural Log Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
FA		1,143H						flaser foln = 72°
S		1,458	C,S,2				612	
S		1,475	P,S,2				715	
S		1,510	P,S,2				718	→ CS_2
S		1,518	P,S,2				716	
S		1,527	P,S,2				886	
S		1,547	P,S,2				718	
S		1,577H	P,S,2				696	
S		1,600	P,S,2				658	
S		1,629	P,S,2				510	
FA		1,641						qtz ribbon foln = 87 ←
								shear foln = 60/000 wrt
FA		1,682						qtz ribbon & biotite foln = 88
								shear foln = 48/180 wrt
FA		1,715						qtz ribbon = ?? not clearly visible
								shear foln = 52°

C.A.M.C. 1981 – E – 4

DRILL HOLE : 4567509
NORTHING : 905,787.0
EASTING : 591,302.0
ELEVATION : 1,303.0
TOTAL DEPTH : 524.2
SECTION : W 116
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
CHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES:	20
NOS DOWN-H-SURVEYS:	4
NOS DOWN-H-LITHOLOGY:	69
NOS DOWN-H-STRUCTURE:	81
NOS DOWN-H-FAULTS:	46
NOS DOWN-H-SPLINES:	4
NOS COMPOSITES:	0

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
436.2	436.7	92126	.5	.5	5A91		.07	1.89	4.08												
436.7	437.8	92127	1.1	1.0	5A91		.07	1.25	1.78												
438.4	439.5	92128	1.1	1.0	5A69		.02	.05	.07												
439.6	441.3	92129	1.7	1.7	5A69		.02	.14	.10												
441.9	443.0	92130	1.1	1.0	5A6S		.02	.46	.59												
444.7	445.0	92131	.3	.3	4C4S7		.34	3.14	11.09												
445.7	446.0	92132	.3	.2	4E8		.04	1.50	1.78												
446.0	446.2	92133	.2	.2	5A691		.02	.34	.59												
446.2	446.5	92134	.3	.3	4E48		.04	3.08	4.55												
447.8	448.0	92135	.2	.2	4E4		.05	3.37	5.31												
448.0	449.3	92136	1.3	1.3	4C0		.08	1.01	1.02												
449.3	450.6	92137	1.3	1.2	4C07		.05	.53	.73												
450.6	452.5	92138	1.9	1.8	4C07		.05	.38	.71												
452.7	453.2	92139	.5	.5	4C07		.07	.42	.49												
453.4	455.2	92140	1.8	1.7	5B26		.02	.10	.07												
466.0	466.2	92141	.2	.2	4DL		.02	1.03	1.65												
466.6	468.6	92142	2.0	2.0	5A16		.02	.53	1.13												
468.6	469.6	92143	1.0	.9	4C0		.05	.38	.24												
469.6	470.9	92144	1.3	1.2	4C0		.05	.26	.39												
472.0	472.1	92145	.1	.1	3G9		.08	1.72	5.58												
WEIGHTED AVERAGE																					
436.2	437.8		1.6	1.5			.07	1.45	2.49												
438.4	439.5		1.1	1.0			.02	.05	.07												
439.6	441.3		1.7	1.7			.02	.14	.10												
441.9	443.0		1.1	1.0			.02	.46	.59												
444.7	445.0		.3	.3			.34	3.14	11.09												
445.7	446.5		.8	.7			.03	1.80	2.52												
447.8	452.5		4.7	4.5			.06	.72	1.01												
452.7	453.2		.5	.5			.07	.42	.49												
453.4	455.2		1.8	1.7			.02	.10	.07												
466.0	466.2		.2	.2			.02	1.03	1.65												
466.6	470.9		4.3	4.1			.04	.41	.70												
472.0	472.1		.1	.1			.08	1.72	5.58												

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
152.500	174.000	138.000
304.800	167.000	135.000
524.300	177.000	142.000

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.4	0CC1	#		0.5-	1
27.1	0CC2	5BC		0.5-	1
59.4	0CC3	5B3	.	0.5-	1
60.0	0CC4	5B6$	.	0.5-	1
64.3	0CC5	5B6	&$ BXA	0.5-	1
65.6	0CC6	5B6$	.	0.5-	1
67.1	0CC7	5BC		0.5-	1
67.7	0CC8	5BC	BXA	0.5-	1
114.0	0CC9	5B0		0.5-	1
133.0	0C10	5BC	(500) 95:05	0.5-	1
134.3	0C11	5B0	.	0.5-	1
143.1	0C12	5B6		0.5-	1
146.6	0C13	5BC		0.5-	1
148.1	0C14	5B6$	.	0.5-	1
231.8	0C15	5B0	.	0.5-	1
232.7	0C16	5B6$	.	0.5-	1
237.7	0C17	5B0		0.5-	1
242.0	0C18	5B6$	&0	0.5-	1
317.0	0C19	5BC	(5D0) TR	0.5-	1
318.1	0C20	5CC	(5B0) 70:30	0.5-	1
322.9	0C21	5B0		0.5-	1
325.1	0C22	5B20		0.5-	1
327.7	0C23	5CC	(5B0) 80:20	0.5-	1
329.2	0C24	5B0	&2 MINOR	0.5-	1
330.3	0C25	5DC	(5B0) 60:40	0.5-	1
372.8	0C26	5B0		0.5-	1
377.2	0C27	5BC	(5D0) 80:20	0.5-	1
386.2	0C28	5BC		0.5-	1
386.8	0C29	5B6$		0.5-	1
387.7	0C30	5B20		0.5-	1
399.1	0C31	5BC	(500) TR	0.5-	1
399.9	0C32	5B6$		0.5-	1
422.8	0C33	5BC		0.5-	1
423.4	0C34	5CC		0.5-	1
433.6	0C35	5B0	&BIO V. MINOR	0.5-	1
435.3	0C36	5D6$	-> 5DC	0.5-	1
436.2	0C37	5A0	(5D)(5B4) BXA	0.5-	1
438.9	0C38	5A91	MINOR BXA	0.5-	1
441.3	0C39	5A69	V. MINOR	0.5-	1
442.0	0C40	5C$4	MINOR	0.5-	1
443.2	0C41	5A6$	MINOR 9 MINOR	0.5-	1
444.8	0C42	5C$7		0.5-	1
445.1	0C43	4C4$	7	0.5-	1
445.7	0C44	5C67	(5D6) 70:30	0.5-	1
446.5	0C45	428	&4 (5A691 MINOR) 70:30	0.5-	1
447.8	0C46	5C$7		0.5-	1
448.0	0C47	4E4	BXA	0.5-	1
448.7	0C48	4C5	? [5A6491]? [5B6291]	0.5-	1
453.2	0C49	4CC7	[4L1247]?	0.5-	1
455.2	0C50	5B26	9 &4 [3G96 &4]	0.5-	1
461.2	0C51	3GC	STR. ->(3G4 STR.) 95:05	0.5-	1

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
461.5	0C52	5C$7	MINOR	0.5-	1
466.0	0C53	3GC	STR. MINOR ->(3G4 STR.)	0.5-	1
466.3	0C54	4D5	(4L0) 70:30	0.5-	1
466.6	0C55	5D46	9 &3	0.5-	1
468.7	0C56	5A16	9 MIN $ MIN (4D0) 6C:4C	0.5-	1
471.0	0C57	4CC	SERICITIC [4L2 &1]	0.5-	1
472.7	0C58	3G9	->3G9 BXA DOWNHOLE	0.5-	1
478.1	0C59	5A61	BXA (3G0) (5D46)	0.5-	1
480.4	0C60	3G96	MINOR ->3G916 MINOR	0.5-	1
481.1	0C61	5D14	MINOR	0.5-	1
482.0	0C62	3F9		0.5-	1
490.0	0C63	3G9	&BXA	0.5-	1
490.4	0C64	5C$	BXA	0.5-	1
494.2	0C65	3GC9	BXA	0.5-	1
497.3	0C66	3FC	CALC-SILICATE	0.5-	1
518.8	0C67	10AB1	&9	0.5-	1
519.4	0C68	1BG	[1B13]	0.5-	1
524.3	0C69	10AB1	&9	0.5-	1

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
4567509	0.0	6.7	CS2		0	0	0	0	90	230	0	1	1	1
4567509	0.0	8.8	CS2		0	0	0	0	90	230	0	1	1	1
4567509	0.0	22.3	CS2		0	0	0	0	65	230	0	1	1	1
4567509	0.0	28.0	CS2	S	0	0	0	0	80	230	0	1	1	1
4567509	0.0	35.7	CS2	S	0	0	0	0	73	230	0	1	1	1
4567509	0.0	39.3	PS2		0	0	0	0	74	230	0	1	1	1
4567509	0.0	45.1	PS2		0	0	0	0	79	230	0	1	1	1
4567509	0.0	53.3	PS2	C	0	0	0	0	70	230	0	1	1	1
4567509	0.0	59.1	PS2		0	0	0	0	74	230	0	1	1	1
4567509	0.0	68.9	CS2	S	0	0	0	0	77	230	0	1	1	1
4567509	0.0	71.9	CS2	Z	0	0	0	0	63	230	0	1	1	1
4567509	0.0	78.0	PS2		0	0	0	0	62	230	0	1	1	1
4567509	0.0	82.3	PS2	S	0	0	0	0	75	230	0	1	1	1
4567509	0.0	90.5	CS2	S	0	0	0	0	74	230	0	1	1	1
4567509	0.0	99.1	CS2	S	0	0	0	0	65	230	0	1	1	1
4567509	0.0	104.5	CS2	S	0	0	0	0	77	230	0	1	1	1
4567509	0.0	112.2	PS2		0	0	0	0	85	230	0	1	1	1
4567509	0.0	115.2	CS2		0	0	0	0	84	230	0	1	1	1
4567509	0.0	120.7	CS2		0	0	0	0	83	230	0	1	1	1
4567509	0.0	126.8	PS2		0	0	0	0	78	230	0	1	1	1
4567509	0.0	131.4	CS2	S	0	0	0	0	78	230	0	1	1	1
4567509	0.0	139.9	PS2		0	0	0	0	79	230	0	1	1	1
4567509	0.0	151.5	CS2		0	0	0	0	79	230	0	1	1	1
4567509	0.0	154.5	PS2		0	0	0	0	76	230	0	1	1	1
4567509	0.0	159.1	PS2		0	0	0	0	85	230	0	1	1	1
4567509	0.0	166.1	CS2		0	0	0	0	89	230	0	1	1	1
4567509	0.0	175.9	PS2		0	0	0	0	77	230	0	1	1	1
4567509	0.0	177.4	CS2	S	0	0	0	0	76	230	0	1	1	1
4567509	0.0	182.0	PS2		0	0	0	0	90	230	0	1	1	1
4567509	0.0	190.2	PS2		0	0	0	0	82	230	0	1	1	1
4567509	0.0	196.6	PS2	Z	0	0	0	0	79	230	0	1	1	1
4567509	0.0	206.7	PS2	D	0	0	0	0	82	230	0	1	1	1
4567509	0.0	210.9	CS2	S	0	0	0	0	83	230	0	1	1	1
4567509	0.0	215.5	CS2		0	0	0	0	85	230	0	1	1	1
4567509	0.0	220.7	CS2	S	0	0	0	0	84	230	0	1	1	1
4567509	0.0	226.5	CS2	S	0	0	0	0	78	230	0	1	1	1
4567509	0.0	233.8	CS2		0	0	0	0	82	230	0	1	1	1
4567509	0.0	240.8	PS2		0	0	0	0	81	230	0	1	1	1
4567509	0.0	245.0	CS2		0	0	0	0	87	230	0	1	1	1
4567509	0.0	254.2	CS2		0	0	0	0	90	230	0	1	1	1
4567509	0.0	258.7	CS2	C	0	0	0	0	81	230	0	1	1	1
4567509	0.0	267.3	PS2		0	0	0	0	72	230	0	1	1	1
4567509	0.0	274.9	PS2		0	0	0	0	80	230	0	1	1	1
4567509	0.0	283.1	CS2	S	0	0	0	0	83	230	0	1	1	1
4567509	0.0	289.8	PS2		0	0	0	0	84	230	0	1	1	1
4567509	0.0	294.7	CS2		0	0	0	0	90	230	0	1	1	1
4567509	0.0	301.4	PS2	S	0	0	0	0	63	230	0	1	1	1
4567509	0.0	306.9	CS2	D	0	0	0	0	83	230	0	1	1	1
4567509	0.0	311.5	CS2	Z	0	0	0	0	80	230	0	1	1	1
4567509	0.0	312.0	PS2		0	0	0	0	83	230	0	1	1	1
4567509	0.0	320.0	CS2	S	0	0	0	0	85	230	0	1	1	1

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE CDE	DHDC	SDC	PROCESS
4567509	0.0	325.8	PS2		0	0	0	0	63	230	0	1	1	1
4567509	0.0	331.6	CS2		0	0	0	0	90	230	0	1	1	1
4567509	0.0	335.2	CS2	M	0	0	0	0	77	230	0	1	1	1
4567509	0.0	341.3	CS2	M	0	0	0	0	69	230	0	1	1	1
4567509	0.0	348.6	CS2	M	0	0	0	0	79	230	0	1	1	1
4567509	0.0	358.4	CS2	S	0	0	0	0	85	230	0	1	1	1
4567509	0.0	364.8	CS2		0	0	0	0	90	230	0	1	1	1
4567509	0.0	368.8	CS2		0	0	0	0	90	230	0	1	1	1
4567509	0.0	373.9	PS2		0	0	0	0	89	230	0	1	1	1
4567509	0.0	379.1	PS2		0	0	0	0	84	230	0	1	1	1
4567509	0.0	382.7	CS2	D	0	0	0	0	75	230	0	1	1	1
4567509	0.0	385.3	CS2	S	0	0	0	0	62	230	0	1	1	1
4567509	0.0	387.8	CS2	S	0	0	0	0	82	230	0	1	1	1
4567509	0.0	394.7	PS2		0	0	0	0	75	230	0	1	1	1
4567509	0.0	397.4	CS2	D	0	0	0	0	76	230	0	1	1	1
4567509	0.0	403.5	CS2	S	0	0	0	0	80	230	0	1	1	1
4567509	0.0	412.3	CS2	S	0	0	0	0	85	230	0	1	1	1
4567509	0.0	417.8	CS2		0	0	0	0	70	230	0	1	1	1
4567509	0.0	425.1	CS2		0	0	0	0	68	230	0	1	1	1
4567509	0.0	430.9	CS2		0	0	0	0	80	230	0	1	1	1
4567509	0.0	433.7	PS2		0	0	0	0	69	230	0	1	1	1
4567509	0.0	444.3	CS2		0	0	0	0	62	230	0	1	1	1
4567509	0.0	449.5	PS2		0	0	0	0	75	230	0	1	1	1
4567509	0.0	457.2	PS2		0	0	0	0	78	230	0	1	1	1
4567509	0.0	462.6	PS2		0	0	0	0	76	230	0	1	1	1
4567509	0.0	465.4	PS2		0	0	0	0	86	230	0	1	1	1
4567509	0.0	471.5	PS2		0	0	0	0	78	230	0	1	1	1
4567509	0.0	479.7	PS2		0	0	0	0	66	230	0	1	1	1
4567509	0.0	487.6	PS2		0	0	0	0	58	230	0	1	1	1
4567509	0.0	496.5	PS2		0	0	0	0	50	230	0	1	1	1

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE		INTERNAL PLANE		LOWER PLANE		DHD
45675C9	0.C	17.C	1G				C	0	C	C	0	0	1
45675C9	47.E	5C.9	RP	1			0	0	0	C	0	0	1
45675C9	6C.C	62.1	3G	4			C	0	C	C	0	0	1
45675C9	6C.C	64.3	3XG	3			0	0	C	C	0	0	1
4567509	62.1	64.3	3XR	2			0	0	0	0	0	0	1
45675C9	64.3	65.5	1XC				0	0	C	C	0	0	1
45675C9	67.C	67.6	3X				0	0	C	C	25	0	1
4567509	95.4	97.5	3B				C	0	C	C	0	0	1
45675C9	143.2	145.3	3BP	4			0	0	C	C	0	0	1
45675C9	146.6	148.1	1B				C	0	C	C	0	0	1
45675C9	178.3	179.0	2G				C	0	C	C	99	999	1
45675C9	215.4	215.9	T				C	0	C	C	0	0	1
45675C9	237.7	238.9	2B				0	0	0	C	0	0	1
45675C9	238.9	239.2	1G				0	0	C	C	0	0	1
45675C9	239.2	24C.1	1B				0	0	C	C	0	0	1
45675C9	240.1	24C.4	RG				0	0	C	C	0	0	1
45675C9	242.C	27C.C	1B				0	0	C	C	0	0	1
45675C9	27C.C	27C.6	T1R				C	0	C	C	C	0	1
45675C9	324.C	324.3	R				0	0	C	C	0	0	1
45675C9	322.9	325.0	T				C	0	C	C	0	0	1
45675C9	332.C	336.9	3BR				0	0	99	999	0	0	1
45675C9	385.8	386.1	R				0	0	C	C	0	0	1
4567509	386.7	386.9	2G				99	999	C	C	0	0	1
45675C9	399.1	399.4	3BR				0	0	0	C	0	0	1
45675C9	419.4	419.7	C?R				0	0	C	C	0	0	1
45675C9	422.4	422.7	3X				C	0	C	C	0	0	1
45675C9	423.3	424.2	S1X				0	0	C	C	0	0	1
4567509	435.1	436.C	3X				C	0	C	C	0	0	1
45675C9	436.C	438.9	1XS				0	0	C	C	0	0	1
45675C9	438.9	441.3	1X				0	0	C	C	0	0	1
45675C9	0.C	442.8	3X				C	0	C	C	0	0	1
45675C9	445.C	445.3	D?				C	0	C	C	0	0	1
45675C9	0.C	445.3	3X				C	0	C	C	0	0	1
45675C9	445.9	446.5	1XD				0	0	C	C	0	0	1
45675C9	447.7	448.0	2X				C	0	C	C	0	0	1
4567509	453.2	455.0	1X				C	0	0	0	0	0	1
45675C9	..*	466.0	1X				0	0	C	C	0	0	1
45[illegible]C9	0.C	47C.9	1F				0	0	2C	C	0	0	1
45675C9	470.9	478.C	3X				C	0	0	C	0	0	1
45675C9	0.C	481.1	3X				C	0	C	C	0	0	1
45675C9	482.C	489.9	2X				C	0	C	C	0	0	1
4567509	489.9	49C.4	3SQ				0	0	C	C	0	0	1
45675C9	490.4	494.2	3X				C	0	C	C	0	0	1
45675C9	435.1	497.2	3F				C	0	C	C	0	0	1
45675C9	497.2	518.7	1XS				C	0	C	C	0	0	1
45675C9	519.3	524.2	S1X				C	0	C	C	0	0	1

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	CORD INDICATOR
45675C9	1	2
45675C9	2	2
45675C9	3	2
45675C9	4	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 16:18:24

DRILL HOLE : 4567509

NORTHING : 905,787.0

EASTING : 591,302.0

ELEVATION : 1,303.0

TOTAL DEPTH : 524.2

SECTION : W 116

R.F.E. : S2

RFE DIRECTION: 230

PLUNGE ANGLE : 11

PLUNGE DIRECT: 312

DHO CALC: 1

SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 20

NOS DOWN-H-SURVEYS: 4

NOS DOWN-H-LITHOLOGY: 22

NOS DOWN-H-STRUCTURE: 42

NOS DOWN-H-FAULTS: 18

NOS DOWN-H-SPLINES: 4

NOS COMPOSITES: 0

DDH: 45o7509 UTM-N: 905,737.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
436.2	436.7	92126	.5	.5	4A4		.07	1.89	4.08												
436.7	437.8	92127	1.1	1.0	4A0		.07	1.25	1.78												
438.4	439.5	92128	1.1	1.0	4A0		.02	.05	.07												
439.5	441.3	92129	1.7	1.7	4A0		.02	.14	.10												
441.9	443.0	92130	1.1	1.0	4A0		.02	.46	.59												
444.7	445.0	92131	.3	.3	4E4		.34	3.14	11.09												
445.7	446.0	92132	.3	.2	4H3		.04	1.50	1.78												
446.0	446.2	92133	.2	.2	4A0		.02	.34	.59												
446.2	446.5	92134	.3	.3	4H3		.04	3.08	4.55												
447.8	448.0	92135	.2	.2	4D0		.05	3.37	5.51												
448.0	449.3	92136	1.3	1.3	4C0		.08	1.01	4.02												
449.3	450.5	92137	1.3	1.2	4C0		.05	.53	.73												
450.6	452.5	92138	1.9	1.8	4C0		.05	.38	.71												
452.7	453.2	92139	.5	.5	4C0		.07	.42	.49												
453.4	455.2	92140	1.8	1.7	5B6		.02	.10	.07												
466.0	466.2	92141	.2	.2	4C0		.02	1.03	1.65												
466.6	463.6	92142	2.0	2.0	4L0		.02	.53	1.13												
468.6	469.6	92143	1.0	.9	5B4		.05	.38	.24												
469.6	470.9	92144	1.3	1.2	5B4		.05	.26	.39												
472.0	472.1	92145	.1	.1	4D0		.08	1.72	5.58												
WEIGHTED AVERAGE																					
436.2	437.8		1.6	1.5			.07	1.45	2.49												
438.4	439.5		1.1	1.0			.02	.05	.07												
439.5	441.3		1.7	1.7			.02	.14	.10												
441.9	443.0		1.1	1.0			.02	.46	.59												
444.7	445.0		.3	.3			.34	3.14	11.09												
445.7	446.5		.8	.7			.03	1.80	2.52												
447.8	452.5		4.7	4.5			.06	.72	1.01												
452.7	453.2		.5	.5			.07	.42	.49												
453.4	455.2		1.8	1.7			.02	.10	.07												
466.0	466.2		.2	.2			.02	1.03	1.65												
466.6	470.9		4.3	4.1			.04	.41	.70												
472.0	472.1		.1	.1			.08	1.72	5.58												

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591,302.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 116
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
182.900	174.000	138.000
304.800	167.000	135.000
524.300	177.000	142.000

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 591 , UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 11b
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.4	0001	#		0.5-	1
435.8	0002	5B0		0.5-	1
443.1	0003	4A0	(4A4) T.O.I.	0.5-	1
444.8	0004	5D0	-> 4L3	0.5-	1
445.1	0005	4E4		0.5-	1
445.7	0006	5D0	-> 4L3	0.5-	1
445.9	0007	4H3		0.5-	1
446.2	0008	4A0		0.5-	1
446.5	0009	4H3		0.5-	1
447.7	0010	5D0	-> 4L3	0.5-	1
453.2	0011	4C0	(4D0) T.O.I. ->4L0	0.5-	1
466.0	0012	5B6		0.5-	1
466.2	0013	4C0		0.5-	1
466.6	0014	5B4	-> 5B46	0.5-	1
468.6	0015	4L0	-> 5B96	0.5-	1
471.0	0016	5B4	-> 5B46	0.5-	1
472.0	0017	5B6		0.5-	1
472.1	0018	4D0		0.5-	1
482.4	0019	4A0		0.5-	1
495.0	0020	5A0		0.5-	1
497.2	0021	3F0		0.5-	1
524.3	0022	10AB0		0.5-	1

22NOV83 GRUM D[illegible]OLE STRUCTURE (DHD20)

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 59[illegible] UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 11
RFE: S2 RFE DIR: 230 PLUNGE ANG[illegible] 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
4567509	0.0	10.0		0	0	0	0	75	230	0	1	1	1
4567509	0.0	12.1		0	0	1	0	0	0	0	1	0	0
4567509	0.0	26.5		0	0	25	0	68	230	0	1	0	0
4567509	0.0	46.3		0	0	0	0	80	230	0	1	1	1
4567509	0.0	49.0		0	0	1	0	0	0	0	1	0	0
4567509	0.0	67.0		0	0	0	0	80	230	0	1	1	1
4567509	0.0	78.6		0	0	1	180	76	230	0	1	1	1
4567509	0.0	93.9		0	0	1	180	75	230	0	1	1	1
4567509	0.0	108.2		0	0	15	180	80	230	0	1	1	1
4567509	0.0	122.5		0	0	1	180	75	230	0	1	1	1
4567509	0.0	144.7		0	0	10	180	77	230	0	1	1	1
4567509	0.0	166.1		0	0	1	180	82	230	0	1	1	1
4567509	0.0	180.7		0	0	1	180	0	0	0	1	0	0
4567509	0.0	181.9		0	0	0	0	80	230	0	1	1	1
4567509	0.0	199.6		0	0	0	0	80	230	0	1	1	1
4567509	0.0	214.5		0	0	1	180	85	230	0	1	1	1
4567509	0.0	242.9		0	0	1	180	85	230	0	1	1	1
4567509	0.0	257.8		0	0	1	180	85	230	0	1	1	1
4567509	0.0	274.9		0	0	1	180	85	230	0	1	1	1
4567509	0.0	294.4		0	0	1	180	80	230	0	1	1	1
4567509	0.0	308.4		0	0	1	180	87	230	0	1	1	1
4567509	0.0	322.1		0	0	1	180	80	230	0	1	1	1
4567509	0.0	338.9		0	0	1	180	83	230	0	1	1	1
4567509	0.0	343.5		0	0	1	180	85	230	0	1	1	1
4567509	0.0	360.8		0	0	1	180	82	230	0	1	1	1
4567509	0.0	380.2		0	0	1	180	83	230	0	1	1	1
4567509	0.0	380.8		0	0	0	0	68	230	0	1	1	1
4567509	0.0	383.7		0	0	1	180	80	230	0	1	1	1
4567509	0.0	397.1		0	0	1	180	80	230	0	1	1	1
4567509	0.0	413.1		0	0	1	180	82	230	0	1	1	1
4567509	0.0	423.0		0	0	1	180	80	230	0	1	1	1
4567509	0.0	430.3		0	0	1	180	75	230	0	1	1	1
4567509	0.0	434.9		0	0	0	0	68	230	0	1	1	1
4567509	0.0	440.1		0	0	0	0	55	230	0	1	1	1
4567509	0.0	443.5		0	0	0	0	60	230	0	1	1	1
4567509	0.0	448.6		0	0	0	0	70	230	0	1	1	1
4567509	0.0	468.4		0	0	0	0	80	230	0	1	1	1
4567509	0.0	471.5		0	0	0	0	70	230	0	1	1	1
4567509	0.0	481.8		0	0	1	180	80	230	0	1	1	1
4567509	0.0	489.2		0	0	60	0	60	230	0	1	1	1
4567509	0.0	494.9		0	0	0	0	55	230	0	1	1	1
4567509	0.0	496.5		0	0	0	0	70	230	0	1	1	1

DDH: 4567509 UTM-N: 905,787.0 UTM-E: 59 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 11
RFE: 52 RFE DIR: 230 PLUNGE AN 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC CD	PARLL	UPPER PLANE		INTERNAL PLANE		LOWER PLANE		DHD
4567509	16.7	17.0	G			0	0	0	0	0	0	1
4567509	61.8	62.1	G			0	0	0	0	0	0	1
4567509	62.1	64.3	XP	2		0	0	0	0	0	0	1
4567509	84.1	84.4	XQ			0	0	0	0	0	0	1
4567509	95.8	96.0	XC			0	0	0	0	0	0	1
4567509	177.2	177.3	G			0	0	0	0	0	0	1
4567509	178.3	179.2	G			0	0	0	0	0	0	1
4567509	239.8	240.4	G			0	0	0	0	0	0	1
4567509	352.0	352.6	G			0	0	0	0	0	0	1
4567509	356.6	357.0	G			0	0	0	0	0	0	1
4567509	351.1	358.4	BGF			0	0	0	0	0	0	1
4567509	381.0	381.4	X			0	0	0	0	0	0	1
4567509	423.0	423.6	Q			0	0	0	0	0	0	1
4567509	431.5	433.4	X			0	0	0	0	0	0	1
4567509	441.3	441.9	G?			0	0	0	0	0	0	1
4567509	473.9	474.5	G?			0	0	0	0	0	0	1
4567509	476.7	478.2	G?			0	0	0	0	0	0	1
4567509	481.1	482.4	XQ			0	0	0	0	0	0	1

DDH: 4567509 UTM-N: 905,767.0 UTM-E: 591 UTM-ELEV: 1,303.0 TOTAL DEPTH: 524.2 SECTION: W 11
RFE: S2 RFE DIR: 230 PLUNGE AN 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
4567509	1	2
4567509	2	2
4567509	3	2
4567509	4	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 09:10:32