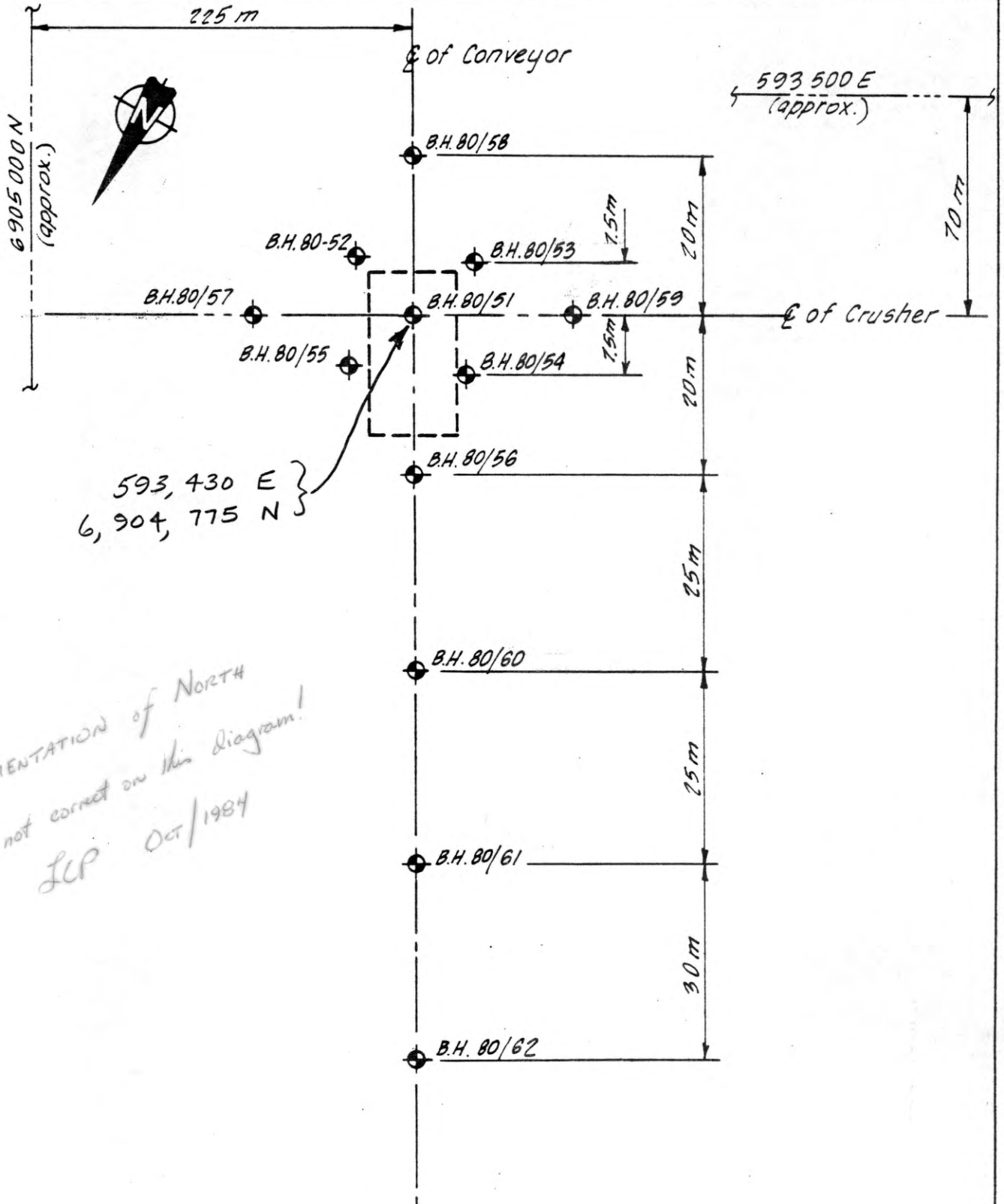


012151

CRUSHER 80

# DRILL HOLE LOCATION PLAN

Figure 3



593,430 E  
6,904,775 N

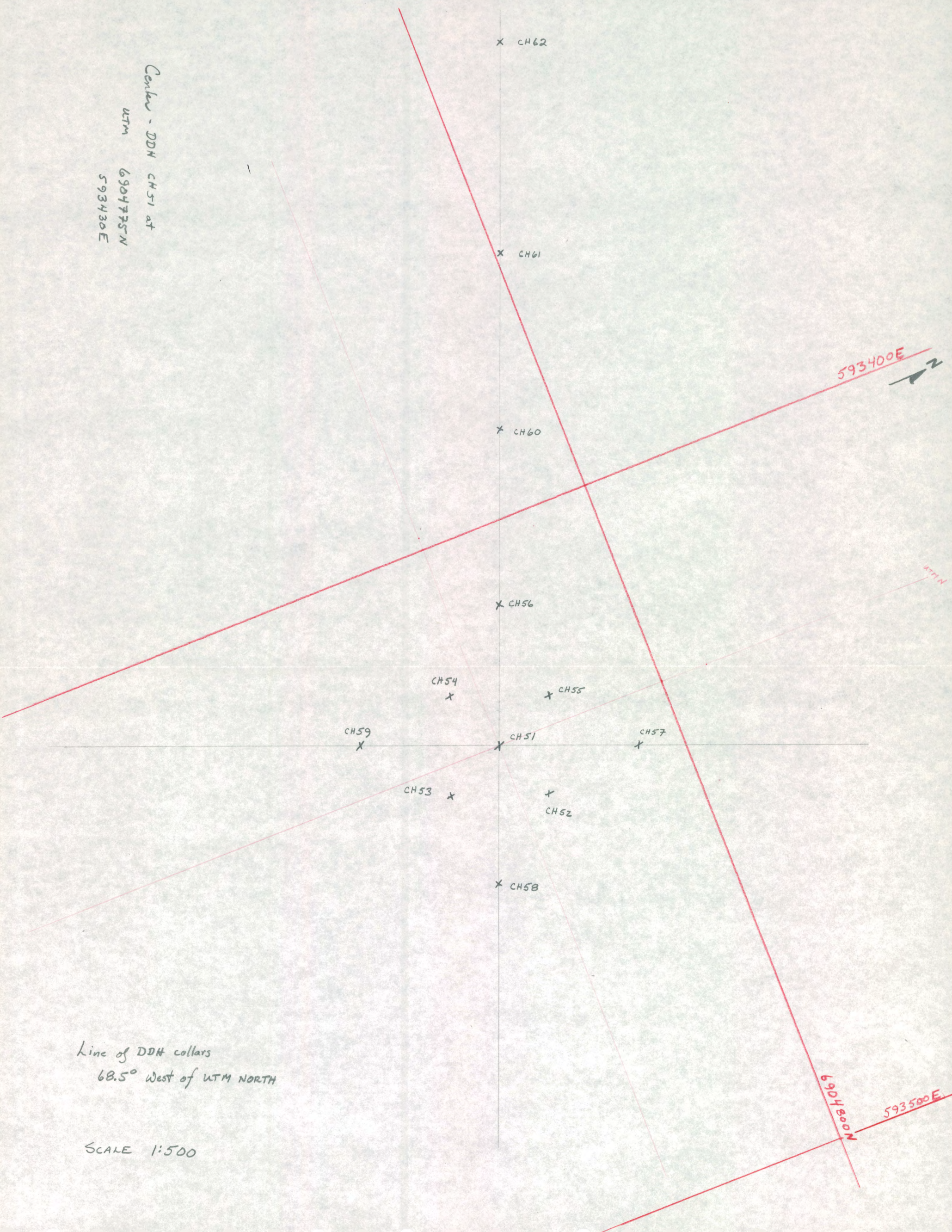
ORIENTATION of NORTH  
is not correct on this diagram!  
LCP Oct/1984

Scale 1:75

Reference: Swan Wooster Engineering.

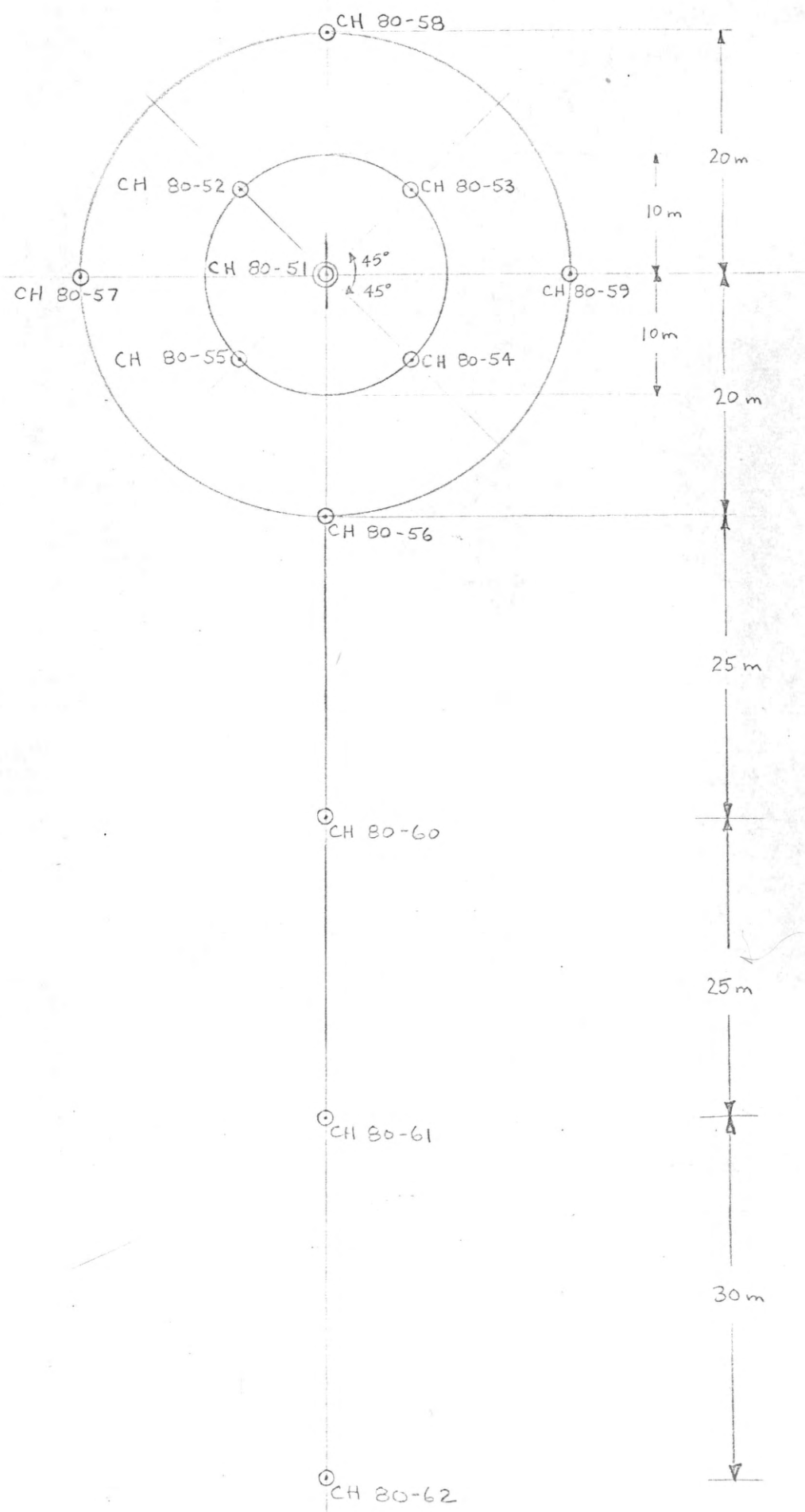
Project No. 802-1591 Drawn Date Nov. 180 Reviewed by

Center - DDH CH51 at  
UTM 6904735N  
593430E



Line of DDH collars  
68.5° West of UTM NORTH

SCALE 1:500



CH 80 51

DRILL HOLE : FA80C51  
NORTHING : 904,775.0  
EASTING : 593,430.0  
ELEVATION : 1,295.0  
TOTAL DEPTH : 54.9  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 10  
NOS DOWN-H-STRUCTURE: 17  
NOS DOWN-H-FAULTS: 3  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 2

DDH: FA80C51 UTM-N: 904,775.0 UTM-E: 593,430.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 54.9 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 3

DDH: FA80C51 UTM-N: 904,775.0 UTM-E: 593,430.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 54.9 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
7.9	0001	#		0.5-	1
13.7	0002	3G09	WEATHERED	0.5-	1
14.3	0003	3GC		0.5-	1
14.4	0004	3GC	GCUGE	0.5-	1
19.7	0005	3G09		0.5-	1
29.4	0006	3GC		0.5-	1
41.8	0007	3G0		0.5-	1
53.0	0008	3GC	(10Q0#) 90:10	0.5-	1
53.4	0009	3G0	BXA	0.5-	1
54.9	0010	3G0		0.5-	1

15FEB84 GRUM

## DOWN-HOLE STRUCTURE (DHC20)

PAGE: 4

DDH: FA80C51 UTM-N: 904,775.0 UTM-E: 593,430.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 54.9 SECTION:  
 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	
FA80C51	0.0	8.5	PS2	0	0	80	230	C	1	1	1
FA80C51	0.0	11.5	PS2	0	0	75	230	C	1	1	1
FA80C51	0.0	14.3	PS2	0	0	79	230	C	1	1	1
FA80C51	0.0	19.3	PS2	0	C	77	230	C	1	1	1
FA80C51	0.0	22.0	PS2	0	0	70	230	C	1	1	1
FA80C51	0.0	24.0	PS2	0	0	75	230	C	1	1	1
FA80C51	0.0	27.0	PS2	0	0	78	230	C	1	1	1
FA80C51	0.0	29.4	PS2	0	0	67	230	C	1	1	1
FA80C51	0.0	32.8	PS2	0	0	75	230	C	1	1	1
FA80C51	0.0	34.5	PS2	0	0	78	230	C	1	1	1
FA80C51	0.0	37.3	PS2	0	0	79	230	C	1	1	1
FA80C51	0.0	38.8	PS2	0	0	77	230	C	1	1	1
FA80C51	0.0	41.8	PS2	0	0	70	230	C	1	1	1
FA80C51	0.0	44.8	PS2	0	0	75	230	C	1	1	1
FA80C51	0.0	47.8	PS2	0	0	70	230	C	1	1	1
FA80C51	0.0	50.4	PS2	0	0	73	230	C	1	1	1
FA80C51	0.0	53.2	PS2	0	0	70	230	C	1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 5

DCH: FA80C51 UTM-N: 904,775.0 UTM-E: 593,430.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 54.9 SECTION:  
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
FA80C51	14.3	14.4	G		0	0	0	1
FA80C51	7.9	29.4	2B		0	0	0	1
FA80C51	53.0	53.4	QX		0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 6

DDH: FA80C51 UTM-N: 904,775.0 UTM-E: 593,430.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 54.9 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DOH SEGMENT NOS COND INDICATOR

FA80C51 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

FA80C51

Hole Number: C.H. 80-51

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

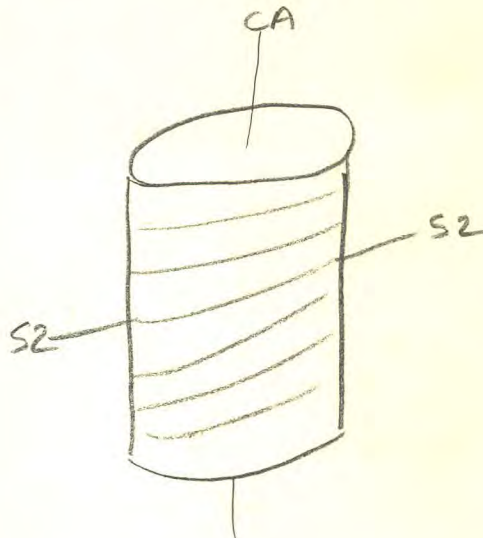
Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_

UTM Terr. Plane Co-ords.: 6904775.0 N

CAME Mine Survey 593430.0 E

Grid Co-ords.: \_\_\_\_\_



All symmetry determinations looking

N.W. with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0 m.

Total Depth: 54.9 m

Purpose: \_\_\_\_\_

Logged by: JM + RSL Date(s) Logged: OCTOBER 80

Drilling Contractor:	<u>ARCTIC</u>	Core:	Size	From	To	Collar Cased and Capped: _____
			<u>HQ</u>	<u>7.9 m</u>	<u>54.9 m</u>	
			_____	_____	_____	
			_____	_____	_____	

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16	20 22 23 25 27			
L	100	179	01	#	TRICONED- NO CORE
L	179	137	02	3160	→3609, weathered horizon in bedrock - weathering along fractures + cleavage planes. rock as a whole is competent for 36
L	137	143	03	3160	as in unit 02, not weathered.
L	143	144	04	3160	gouge = ground core - represents mud in hole after pulling?
L	144	197	05	3160	→3609
L	197	294	06	3160	This marks boundary between length of core 7.9-294 length ≈ 1.1m 7.94-EoH length = 7.2m po present as small isolated stringers locally qtz-carbonate pods
L	294	418	07	3160	as in unit 06
L	418	530	08	3160	As in unit 06, 10% pods qtz-carbonates. locally chlorite developed close to qtz carbonate.
L	530	534	09	3160	Breccia zone healed with qtz-carbonate & fault. Small fragments ≈ 1.3cm.
L	534	549	10	3160	E.O.H+



Metres

FAULT

DDH CH 80-51  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			32	34	38	40	
F	11	14	3		11	14	4	G1							gauge / ground core
F	15	30			15	34	QX1								6 x 1/4" - healed w/ gtc carbonate



DRILL HOLE : FA80C52  
NORTHING : 904,773.0  
EASTING : 593,439.5  
ELEVATION : 1,295.0  
TOTAL DEPTH : 41.2  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 12  
NOS DOWN-H-STRUCTURE: 15  
NOS DOWN-H-FAULTS: 5  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 8

DDH: FA80C52 UTM-N: 904,773.0 UTM-E: 593,439.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.2 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 9

DDH: FA80C52 UTM-N: 904,773.0 UTM-E: 593,439.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.2 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
10.6	OC01	#		0.5-	1
12.0	OC02	3GC		0.5-	1
13.5	OC03	3GC	WEATHERED	0.5-	1
17.4	OC04	3GC?		0.5-	1
22.0	OC05	3GC	NO CORE	0.5-	1
22.2	OC06	10QC		0.5-	1
23.7	OC07	3GC		0.5-	1
23.9	OC08	10QC		0.5-	1
27.3	OC09	3GC		0.5-	1
34.4	OC10	3GC		0.5-	1
34.8	OC11	10QC		0.5-	1
41.2	OC12	3GC		0.5-	1

15FEB84 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 10

DDH: FA80C52 UTM-N: 904,773.0 UTM-E: 593,439.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.2 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

CDH	F DEPTH	T DEPTH	FEAT SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE CDE	DHDC	SDC	PROCESS			
FA80C52	0.0	11.1	PS2	0	0	0	0	80	230	C	1	1	1
FA80C52	0.0	12.5	PS2	0	0	0	0	75	230	G	1	1	1
FA80C52	0.0	13.3	PS2	0	0	0	0	78	230	G	1	1	1
FA80C52	0.0	17.6	PS2	0	0	0	0	69	230	0	1	1	1
FA80C52	0.0	20.2	PS2	0	0	0	0	75	230	0	1	1	1
FA80C52	0.0	22.1	PS2	0	0	0	0	75	230	G	1	1	1
FA80C52	0.0	24.0	PS2	0	0	0	0	72	230	C	1	1	1
FA80C52	0.0	26.4	PS2	0	0	0	0	80	230	C	1	1	1
FA80C52	0.0	28.0	PS2	0	0	0	0	80	230	0	1	1	1
FA80C52	0.0	29.6	PS2	0	0	0	0	75	230	G	1	1	1
FA80C52	0.0	32.5	PS2	0	0	0	0	78	230	0	1	1	1
FA80C52	0.0	34.5	PS2	0	0	0	0	50	230	0	1	1	1
FA80C52	0.0	36.0	PS2	0	0	0	0	80	230	0	1	1	1
FA80C52	0.0	37.8	PS2	0	0	0	0	80	230	G	1	1	1
FA80C52	0.0	40.5	PS2	0	0	0	0	78	230	C	1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHC20)

PAGE: 11

DDH: FA80C52 UTM-N: 904,773.0 UTM-E: 593,439.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.2 SECTION:  
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
FA80C52	10.6	12.0	3T		0	0	C C	0 0 1
FA80C52	13.5	17.4	NP		0	0	C C	0 0 1
FA80C52	22.0	22.2	Q		0	0	C C	0 0 1
FA80C52	23.7	23.9	Q		0	0	C C	0 0 1
FA80C52	34.4	34.8	Q		0	0	C C	0 0 1

15FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 12

DDH: FA80C52 UTM-N: 904,773.0 UTM-E: 593,439.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.2 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C52 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

*FA 80C52*

Hole Number: CH 80-52

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

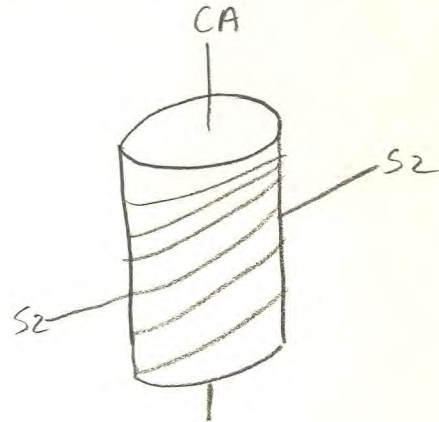
Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_

UTM ~~Terr. Plane~~  
Co-ords.: 6904773.0 N

*location relative to CH 80-51*  
593439.5 E

Grid  
Co-ords.: \_\_\_\_\_



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0 m.

Total Depth: 41.2 m

Purpose: \_\_\_\_\_

Logged by: JWM + RSL Date(s) Logged: OCT. 80

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

HQ 10.6m 41.2m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_





Metres

Fault

DDH CH.80-52  
2                                  8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

### Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	
F	106		112		T										porter-chippy core - badly broken into dollars along S <sub>2</sub>
F	135		174		N/A										no core - ground core
F	344		348		Q										1000
	220		222		Q										1000



DRILL HOLE : FA80C53  
NORTHING : 904,765.3  
EASTING : 593,428.0  
ELEVATION : 1,295.0  
TOTAL DEPTH : 41.1  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 14  
NOS DOWN-H-STRUCTURE: 13  
NOS DOWN-H-FAULTS: 4  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 14

DDH: FA80C53 UTM-N: 904,765.3 UTM-E: 593,428.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 15

DDH: FA80C53 UTM-N: 904,765.3 UTM-E: 593,428.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
9.7	0G01	#		0.5-	1
14.7	0C02	3G9	WEATHERED	0.5-	1
17.4	0C03	3GC	STR (PY-PO) MINOR WEATHERED	0.5-	1
33.5	0C04	3GC	89 STR (PY-PO) MINOR	0.5-	1
34.2	0G05	3F18	6 (10Q0) MINOR	0.5-	1
34.3	0C06	10QC		0.5-	1
34.9	0C07	3G9	STR(PY-PO)MINOR QTZ-CHL BANDS	0.5-	1
35.0	0C08	10QC		0.5-	1
36.7	0C09	3GC	89 LOCAL QTZ-CHL-CC BANDS	0.5-	1
37.1	0010	3G1	STR(PO)MINOR QTZ-CHL-CC BANDS	0.5-	1
39.0	0011	3G9	STRINGER (PO)	0.5-	1
39.3	0012	10QC		0.5-	1
40.5	0C13	3GC	STR(PY-PO) QTZ-CHL-CC-PO BANDS	0.5-	1
41.1	0014	3F1	(3G0) MINOR	0.5-	1

15FE884 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 16

DDH: FA80C53 UTM-N: 904,765.3 UTM-E: 593,428.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
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
FA80C53	0.0	12.4	PS2		0	0	0	0	80	230	C		1	1	1
FA80C53	0.0	14.0	PS2		0	0	0	C	75	230	C		1	1	1
FA80C53	0.0	16.0	PS2		0	0	0	C	80	230	C		1	1	1
FA80C53	0.0	17.4	PS2		0	0	0	C	82	230	C		1	1	1
FA80C53	0.0	19.8	PS2		0	0	0	C	80	230	C		1	1	1
FA80C53	0.0	22.0	PS2		0	0	0	0	76	230	C		1	1	1
FA80C53	0.0	25.0	PS2		0	0	0	C	80	230	C		1	1	1
FA80C53	0.0	27.5	PS2		0	0	0	0	75	230	C		1	1	1
FA80C53	0.0	30.0	PS2		0	0	0	0	80	230	C		1	1	1
FA80C53	0.0	33.0	PS2		0	0	0	C	70	230	C		1	1	1
FA80C53	0.0	35.0	PS2		0	0	0	0	85	230	C		1	1	1
FA80C53	0.0	37.5	PS2		0	0	0	0	68	230	C		1	1	1
FA80C53	0.0	40.0	PS2		0	0	0	0	70	230	C		1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHC20)

PAGE: 17

DDH: FA80C53 UTM-N: 904,765.3 UTM-E: 593,428.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FA80C53	9.7	14.7	B				0	0	0	0	1
FA80C53	34.2	34.3	Q				0	0	0	0	1
FA80C53	34.9	35.0	Q				0	0	0	0	1
FA80C53	39.0	39.3	Q				0	0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (OH02C)

PAGE: 18

DDH: FA80C53 UTM-N: 904,765.3 UTM-E: 593,428.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C53 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

**FABOC53**

Hole Number: CH 80-53

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

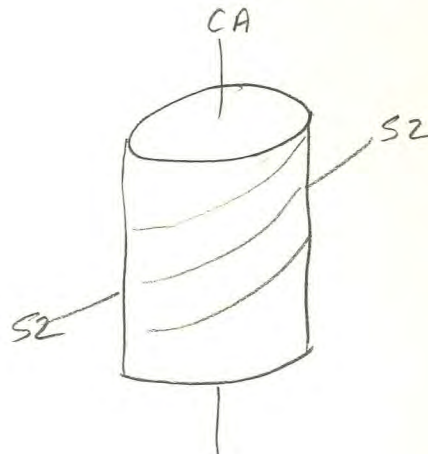
Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_

UTM ~~Terr.~~ Plane  
Co-ords.: 6904765.3 N

*located relative to CH 80-51*  
593428.0 E

Grid  
Co-ords.: \_\_\_\_\_



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0

Total Depth: 41.1 m

Purpose: \_\_\_\_\_

Logged by: PN + RSL Date(s) Logged: OCT. 80

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

NQ 9.7m 41.1m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Lithologic Log

Code	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L	100		107		1			o/B ticoned
L	107		147		2	3G9		weathered along S2 plane; broken core;
L	147		174		3	3G0		min py, po stringers following S2 plane;
								weathered along S2 plane;
L	174		335		4	3G0		min py, po stringers following S2 plane;
								locally graphitic;
L	335		342		5	3F1		3F1B6; highly siliceous & calcareous;
								scattered po blebs throughout; min OQO
								& 3G0 bands;
L	342		345		6	OQO		
L	343		349		7	3G9		min py, po stringers; few qtz-chl bands;
L	349		350		8	OQO		
L	350		367		9	3G0		locally graphitic; min qtz-chl-calc. bands;
L	367		371		10	3G1		w/ po stringers; qtz-chl-calc. bands;
L	371		390		11	3G9		po stringers;
L	390		393		12	OQO		
L	393		405		13	3G0		py, po stringers; qtz-chl-calc-po band
								403-404m;
L	405		411		14	3F1		min bands of 3G0; as unit 5;
			1501H					



Metres

~~FAULT~~

DDH CH 80-53  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Feature	E S	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
1									B								broken core
									Q								
									Q								
									Q								



DRILL HOLE : FA80C54  
NORTHING : 904,777.2  
EASTING : 593,420.5  
ELEVATION : 1,295.0  
TOTAL DEPTH : 41.1  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 7  
NOS DOWN-H-STRUCTURE: 13  
NOS DOWN-H-FAULTS: 2  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 20

DDH: FA80C54 UTM-N: 904,777.2 UTM-E: 593,420.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHQ20)

PAGE: 21

DDH: FA80C54 UTM-N: 904,777.2 UTM-E: 593,420.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 .312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
9.7	0001	#		0.5-	1
18.8	0002	3G9	WEATHERED STR(PO-PY) MINOR	0.5-	1
39.0	0003	3G9	STRINGERED (PO-PY) MINOR	0.5-	1
39.7	0004	3G0		0.5-	1
40.9	0005	3G9		0.5-	1
41.0	0006	1000		0.5-	1
41.1	0007	3G9		0.5-	1

15FEB84 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 22

DDH: FA80C54 UTM-N: 904,777.2 UTM-E: 593,420.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
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
FA80C54	0.0	15.0	PS2		0	0	0	C	72	230	C		1	1	1
FA80C54	0.0	18.8	PS2		0	0	0	0	80	230	G		1	1	1
FA80C54	0.0	20.1	PS2		0	0	0	0	75	230	C		1	1	1
FA80C54	0.0	23.0	PS2		0	0	0	0	71	230	0		1	1	1
FA80C54	0.0	25.0	PS2		0	0	0	0	72	230	G		1	1	1
FA80C54	0.0	27.0	PS2		0	0	0	C	69	230	0		1	1	1
FA80C54	0.0	29.7	PS2		0	0	0	C	81	230	0		1	1	1
FA80C54	0.0	32.4	PS2		0	0	0	C	70	230	G		1	1	1
FA80C54	0.0	34.2	PS2		0	0	0	C	65	230	G		1	1	1
FA80C54	0.0	36.2	PS2		0	0	0	0	76	230	G		1	1	1
FA80C54	0.0	38.0	PS2		0	0	0	0	82	230	G		1	1	1
FA80C54	0.0	40.3	PS2		0	0	0	C	65	230	0		1	1	1
FA80C54	0.0	41.1	PS2		0	0	0	0	80	230	C		1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHC20).

PAGE: 23

DDH: FA80C54 UTM-N: 904,777.2 UTM-E: 593,420.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FA80C54	9.7	18.8	B				0	0	0	0	1
FA80C54	40.9	41.0	Q				0	0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 24

DDH: FA80C54 UTM-N: 904,777.2 UTM-E: 593,420.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C54 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

*FABOC54*

Hole Number: CH 80-54

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

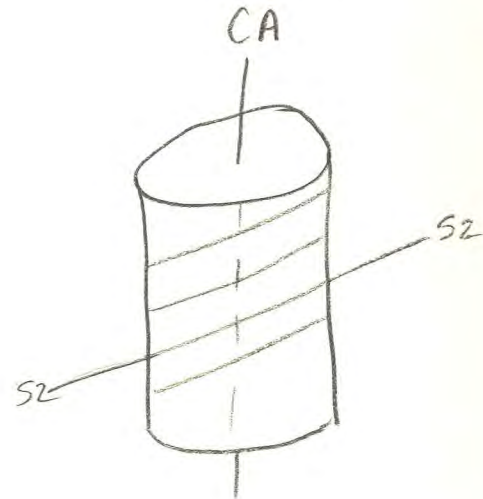
Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_

UTM ~~Terr. Plane~~  
Co-ords.: 6904777.2 N

*located relative to  
CH 80-51*  
593420.5 E

Grid  
Co-ords.: \_\_\_\_\_



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0

Total Depth: 41.1 m

Purpose: \_\_\_\_\_

Logged by: PN + RSL

Date(s) Logged: OCT. 80

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

NQ 9.7m 41.1m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_









DRILL HOLE : FA80C55  
NORTHING : 904,784.7  
EASTING : 593,432.2  
ELEVATION : 1,295.0  
TOTAL DEPTH : 41.1  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 9  
NOS DOWN-H-STRUCTURE: 12  
NOS DOWN-H-FAULTS: 4  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DHD20)

PAGE: 26

DDH: FA80C55 UTM-N: 904,784.7 UTM-E: 593,432.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 27

DDH: FA80C55 UTM-N: 904,784.7 UTM-E: 593,432.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.2	0G01	#		0.5-	1
16.2	0G02	3G9	WEATHERED	0.5-	1
16.6	0C03	10Q0	(3G9) MINOR	0.5-	1
17.9	0C04	3G9		0.5-	1
36.3	0G05	3G9	(3E0)(3G91) BOTH LOCAL	0.5-	1
36.6	0G06	10Q0		0.5-	1
40.6	0C07	3G9	(3G1) LOCAL	0.5-	1
41.0	0C08	10Q0		0.5-	1
41.1	0C09	3G9		0.5-	1

DDH: FA80C55 UTM-N: 904,784.7 UTM-E: 593,432.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
 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
FA80C55	0.0	9.0	PS2		0	0	0	0	70	230	G		1	1	1
FA80C55	0.0	12.0	PS2		0	0	0	0	85	230	C		1	1	1
FA80C55	0.0	15.3	PS2		0	0	0	0	75	230	G		1	1	1
FA80C55	0.0	18.0	PS2		0	0	0	0	78	230	G		1	1	1
FA80C55	0.0	21.2	PS2		0	0	0	0	70	230	G		1	1	1
FA80C55	0.0	25.5	PS2		0	0	0	0	75	230	C		1	1	1
FA80C55	0.0	27.7	PS2		0	0	0	0	70	230	O		1	1	1
FA80C55	0.0	29.5	PS2		0	0	0	0	78	230	O		1	1	1
FA80C55	0.0	33.0	PS2		0	0	0	0	75	230	C		1	1	1
FA80C55	0.0	35.0	PS2		0	0	0	0	86	230	C		1	1	1
FA80C55	0.0	38.0	PS2		0	0	0	0	70	230	O		1	1	1
FA80C55	0.0	40.0	PS2		0	0	0	0	74	230	C		1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHD20)

PAGE: 29

DDH: FA80C55 UTM-N: 904,784.7 UTM-E: 593,432.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
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	
FA80C55	16.2	16.6	Q				0	0	0	0	1
FA80C55	16.6	17.9	P		2		0	0	0	0	1
FA80C55	20.4	23.5	PB		3		0	0	0	0	1
FA80C55	40.6	41.0	Q				0	0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 30

DCH: FAB0C55 UTM-N: 904,784.7 UTM-E: 593,432.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAB0C55 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

*FABOC 35*

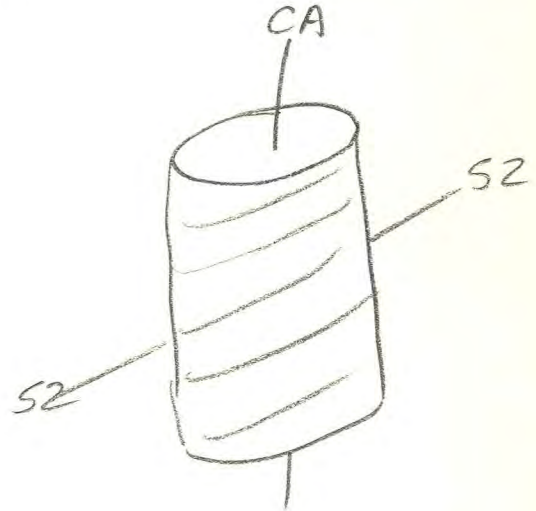
Hole Number: CH 80-55

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_



UTM ~~Terr. Plane~~  
 Co-ords.: 6904784.7 N  
*located relative to*  
CH 80-51  
593432.2 E  
 Grid  
 Co-ords.: \_\_\_\_\_

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0 m.

Total Depth: 41.1 m

Purpose: \_\_\_\_\_

Logged by: PN + RSL

Date(s) Logged: OCT. 80

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

NQ 8.2 m 41.1 m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

DDH CH 80-5.5  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Logged By: AN

Code	From	To	Unit	Code	Description
1	10	14 16	20	22 23 25 27	
L	100	182	1		o/B fractured - no core
L	182	116 2	2	3G9	non-calcareous; weathering along S2 plane; main narrow (< 3cm thick) qtz bands; few scattered py, po blebs
L	116 2	116 6	3	01Q10	w/ few 3G9 bands; py, po blebs assoc. w/ lt. green chloritic stringers;
L	116 6	117 9	4	3G9	as unit 2; poor recovery (1.3m over 1.3m);
L	117 9	136 3	5	3G9	locally to 3E0; main py stringers assoc. w/ qtz layers; broken core w/ poor recovery 20.4-23.5m (1.1m recovered); few po bands at 28.5m; locally siliceous (3G91);
L	136 3	136 6	6	9Q0	
L	136 6	140 6	7	3G9	main py, po blebs; locally 3G1;
L	140 6	141 0	8	01Q0	
L	141 0	141 1	9	3G9	as unit 7
		150 4			



Metros

~~FAULT~~

DDH CH 80-55  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

**Structural Log**

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Feature	E S	S <sub>0</sub>				S <sub>1</sub>				S <sub>2</sub>				Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.			
1	10	14	16	20	22	24	26	28															
		1162			1166				Q														
		1166			1179				P	2													.3/1.3m
		204			235				PB	3													broken w/ poor recov. 1.1/3.1
		406			410				Q														



DRILL HOLE : FA80C56  
NORTHING : 904,792.0  
EASTING : 593,419.5  
ELEVATION : 1,295.0  
TOTAL DEPTH : 41.1  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 8  
NOS DOWN-H-STRUCTURE: 16  
NOS DDWN-H-FAULTS: 2  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 32

DDH: FA80C56 UTM-N: 904,792.0 UTM-E: 593,419.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 33

DDH: FA80C56 UTM-N: 904,792.0 UTM-E: 593,419.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.4	0001	#		0.5-	1
12.3	0002	3GC	WEATHERED	0.5-	1
12.4	0003	10QC		0.5-	1
23.4	0004	3GC	.	0.5-	1
26.3	0005	3G9		0.5-	1
26.5	0006	3GC	QTZ-CHL-PO BANDS	0.5-	1
29.5	0007	3G9		0.5-	1
41.1	0008	3GC	89 LOCAL STR(PY-PO) MINOR	0.5-	1

DDH: FA80C56 UTM-N: 904,792.0 UTM-E: 593,419.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
 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 COE	DHCC	SDC	PROCESS	
FA80C56	0.0	9.0	PS2	0	0	75	230	C	1	1	1
FA80C56	0.0	11.5	PS2	0	0	80	230	C	1	1	1
FA80C56	0.0	14.0	PS2	0	0	69	230	C	1	1	1
FA80C56	0.0	16.0	PS2	0	0	74	230	C	1	1	1
FA80C56	0.0	19.0	PS2	0	0	81	230	C	1	1	1
FA80C56	0.0	23.4	PS2	0	0	75	230	C	1	1	1
FA80C56	0.0	25.5	PS2	0	0	80	230	C	1	1	1
FA80C56	0.0	26.5	PS2	0	0	75	230	C	1	1	1
FA80C56	0.0	27.8	PS2	0	0	79	230	C	1	1	1
FA80C56	0.0	29.8	PS2	0	0	74	230	C	1	1	1
FA80C56	0.0	31.0	PS2	0	0	75	230	C	1	1	1
FA80C56	0.0	32.3	PS2	0	0	74	230	C	1	1	1
FA80C56	0.0	34.2	PS2	0	0	80	230	C	1	1	1
FA80C56	0.0	36.0	PS2	0	0	75	230	C	1	1	1
FA80C56	0.0	38.0	PS2	0	0	72	230	C	1	1	1
FA80C56	0.0	40.0	PS2	0	0	72	230	C	1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 35

DDH: FA80C56 UTM-N: 904,792.0 UTM-E: 593,419.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
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
FA80C56	8.4	12.3	B				0	0	0	1
FA80C56	12.3	12.4	Q				0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 36

DDH: FA80C56 UTM-N: 904,792.0 UTM-E: 593,419.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 41.1 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C56 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

FA80C56

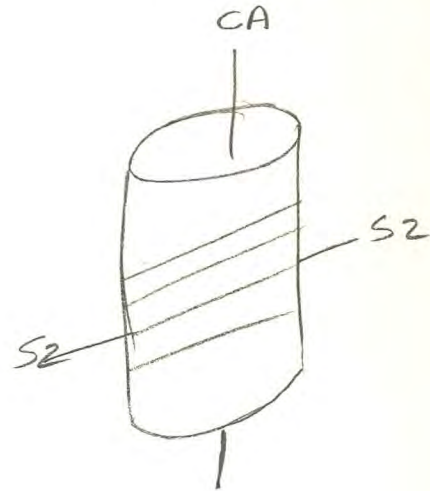
Hole Number: CH 80-56

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_



UTM Terr. Plane Co-ords.: 6904792.0 N

located relative to CH 80-51 Grid Co-ords.: 593419.5 E

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0

Total Depth: 41.1 m

Purpose: \_\_\_\_\_

Logged by: PN + RSL Date(s) Logged: OCT. 80

Drilling Contractor:	<u>ARCTIC</u>	Core:	Size	From	To	Collar Cased and Capped: _____
			<u>NQ</u>	<u>8.4m</u>	<u>41.1m</u>	
			_____	_____	_____	
			_____	_____	_____	

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23	25 27		
L	100	184	11		o/B twinned
L	184	123	23	G10	weathered on s2 plane; broken cone;
L	123	124	30	G10	
L	124	234	4	3G10	as unit 2;
L	234	263	5	3G9	
L	263	265	6	3G10	w/ qtz-chl-po bands;
L	265	295	7	3G9	as unit 5;
L	295	411	8	3G10	thin py, po stringers; locally graphitic;
		15011			







15FEB84 GRUM

COMPOSITES (OH020)

PAGE: 37

DRILL HOLE : FA80C57  
NORTHING : 904,785.5  
EASTING : 593,447.0  
ELEVATION : 1,295.0  
TOTAL DEPTH : 30.5  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : .11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 8  
NOS DOWN-H-STRUCTURE: 9  
NOS DOWN-H-FAULTS: 2  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEE84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 38

DDH: FA80C57 UTM-N: 904,785.5 UTM-E: 593,447.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHQ20)

PAGE: 39

DDH: FA80C57 UTM-N: 904,785.5 UTM-E: 593,447.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
10.3	0001	#		0.5-	1
14.8	0002	3G0	WEATHERED	0.5-	1
21.0	0003	3G0	&9 MINOR	0.5-	1
24.5	0004	3G0	(3E ) LOCAL	0.5-	1
24.6	0005	10QC		0.5-	1
27.6	0006	3G0	.	0.5-	1
30.2	0007	3G2	(3E ) LOCAL	0.5-	1
30.5	0008	3G0		0.5-	1

15FEB84 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 40

DDH: FA80C57 UTM-N: 904,785.5 UTM-E: 593,447.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FA80C57	0.0	11.5	PS2		0	0	0	C	72	230	C		1	1	1
FA80C57	0.0	12.8	PS2		0	0	0	C	75	230	C		1	1	1
FA80C57	0.0	15.9	PS2		0	0	0	C	75	230	C		1	1	1
FA80C57	0.0	18.9	PS2		0	0	0	C	75	230	C		1	1	1
FA80C57	0.0	22.0	PS2		0	0	0	0	78	230	C		1	1	1
FA80C57	0.0	24.0	PS2		0	0	0	0	80	230	C		1	1	1
FA80C57	0.0	26.0	PS2		0	0	0	0	80	230	C		1	1	1
FA80C57	0.0	28.1	PS2		0	0	0	0	80	230	C		1	1	1
FA80C57	0.0	30.4	PS2		0	0	0	0	75	230	C		1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 41

DDH: FA80C57 UTM-N: 904,785.5 UTM-E: 593,447.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 FLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FA80C57	24.5	24.6	Q				0	0	0	0	1
FA80C57	0.0	30.2	1F				0	0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (OH020)

PAGE: 42

DDH: FA80C57 UTM-N: 904,785.5 UTM-E: 593,447.0 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS CCND INDICATOR

FA80C57 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

FA80C57

Hole Number: CH 80-57

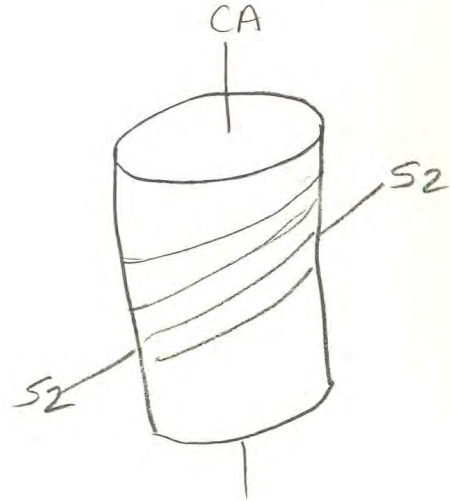
Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_

UTM ~~Terr. Plane~~  
 located relative to  
 CH 80-51  
 Co-ords.: 6904785.5 N  
593447.0 E  
 Grid  
 Co-ords.: \_\_\_\_\_



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0 m

Total Depth: 30.5 m

Purpose: \_\_\_\_\_

Logged by: JWM + RSL

Date(s) Logged: OCT. 80

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

HQ 10.3 m 30.5 m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_





Metres

FAULT

DDH C.H.80-5.7  
2                                  8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Feature	S <sub>0</sub>	S <sub>1</sub>		S <sub>2</sub>		Description			
	Dip				Dip						Dip	Direct.	Dip	Direct.		Dip	Direct.	
	10	14	16	20	22	24	26	28			32	34	38	40		44		
									30.2 11F									contact marked by oil fault - minor



DRILL HOLE : FA80C58  
NORTHING : 904,758.0  
EASTING : 593,440.7  
ELEVATION : 1,295.0  
TOTAL DEPTH : 30.5  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHCLOGY: 6  
NOS DOWN-H-STRUCTURE: 12  
NOS DOWN-H-FAULTS: 2  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 44

CDH: FA80C58 UTM-N: 904,758.0 UTM-E: 593,440.7 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 45

DDH: FA80C58 UTM-N: 904,758.0 UTM-E: 593,440.7 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.3	OC01	#		0.5-	1
15.1	OC02	3GC	&9 LOCAL WEATHERED	0.5-	1
26.4	OC03	3GC	STR(PY)MINOR QTZ-CHL-CC BANDS	0.5-	1
27.6	OC04	3F18	6 PC	0.5-	1
28.5	OC05	1000		0.5-	1
30.5	OC06	3GC		0.5-	1

15FEB84 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 46

DDH: FA80C58 UTM-N: 904,758.0 UTM-E: 593,440.7 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
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	DHCC	SDC	PROCESS			
FA80C58	0.0	8.7	PS2	C	0	0	0	66	230	0	1	1	1
FA80C58	0.0	11.4	PS2	0	0	0	C	75	230	C	1	1	1
FA80C58	0.0	13.5	PS2	0	0	0	0	74	230	0	1	1	1
FA80C58	0.0	15.0	PS2	0	0	0	0	81	230	0	1	1	1
FA80C58	0.0	17.6	PS2	0	0	0	0	78	230	C	1	1	1
FA80C58	0.0	19.2	PS2	0	0	0	C	75	230	C	1	1	1
FA80C58	0.0	21.5	PS2	0	0	0	0	70	230	0	1	1	1
FA80C58	0.0	23.7	PS2	0	0	0	0	70	230	C	1	1	1
FA80C58	0.0	26.0	PS2	0	0	0	0	72	230	0	1	1	1
FA80C58	0.0	27.3	PS2	0	0	0	0	88	230	C	1	1	1
FA80C58	0.0	28.2	PS2	0	0	0	C	72	230	0	1	1	1
FA80C58	0.0	30.4	PS2	0	0	0	0	85	230	0	1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 47

DDH: FA80C58 UTM-N: 904,758.0 UTM-E: 593,440.7 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
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	D-F-D	
FA80C58	26.8	27.2	1X?				0	0	0	0	1
FA80C58	27.6	28.5	Q				0	0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 48

DDH: FA80C58 UTM-N: 904,758.0 UTM-E: 593,440.7 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C58 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

F180C58

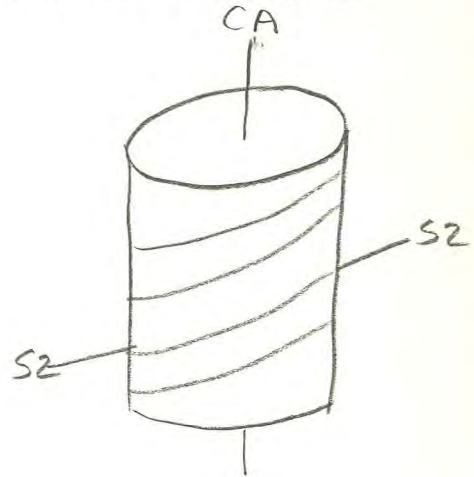
Hole Number: CH 80-58

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_



UTM ~~Terr. Plane~~  
 Co-ords.: 6904758.0 N  
*located relative to CH 80-51*  
593440.7 E  
 Grid  
 Co-ords.: \_\_\_\_\_

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0

Total Depth: 30.5 m

Purpose: \_\_\_\_\_

Logged by: PN + RSL

Date(s) Logged: OCT. 80

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

NQ 8.3 m 30.5 m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_





Metres

FAULT

DDH 30.C.H.-58  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Feature	S <sub>F</sub>	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct		
F	1268	1272	1276	1285	XI?												Almost bixial texture bull gte	



DRILL HOLE : FA80C59  
NORTHING : 904,764.5  
EASTING : 593,413.2  
ELEVATION : 1,295.0  
TOTAL DEPTH : 30.5  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 4  
NOS DOWN-H-STRUCTURE: 11  
NOS DOWN-H-FAULTS: 1  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FE684 GRUM

DOWN-HOLE SURVEYS (DHO2G)

PAGE: 50

DDH: FA80C59 UTM-N: 904,764.5 UTM-E: 593,413.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 51

DDH: FAB0C59 UTM-N: 904,764.5 UTM-E: 593,413.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.7	OC01	#		0.5-	1
18.7	OC02	3GC	WEATHERED	0.5-	1
30.3	OC03	3GC	89 LOCAL STR(PY) QTZ-CHL-CC	0.5-	1
30.5	OC04	3G1	STR (PO) BIO?	0.5-	1

15FEB84 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 52

DDH: FA80C59 UTM-N: 904,764.5 UTM-E: 593,413.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
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
FA80C59	0.0	9.0	PS2		0	0	0	C	70	230	0		1	1	1
FA80C59	0.0	13.0	PS2		0	0	0	C	70	230	C		1	1	1
FA80C59	0.0	15.0	PS2		0	0	0	0	75	230	C		1	1	1
FA80C59	0.0	16.7	PS2		0	0	0	0	75	230	0		1	1	1
FA80C59	0.0	19.1	PS2		0	0	0	C	74	230	C		1	1	1
FA80C59	0.0	20.6	PS2		0	0	0	C	72	230	0		1	1	1
FA80C59	0.0	22.3	PS2		0	0	0	0	68	230	0		1	1	1
FA80C59	0.0	23.4	PS2		0	0	0	0	70	230	0		1	1	1
FA80C59	0.0	24.9	PS2		0	0	0	0	68	230	0		1	1	1
FA80C59	0.0	28.0	PS2		0	0	0	0	69	230	C		1	1	1
FA80C59	0.0	30.0	PS2		0	0	0	0	71	230	C		1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHC20)

PAGE: 53

DDH: FA80C59 UTM-N: 904,764.5 UTM-E: 593,413.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
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		
FA80C59	8.7	18.7	B				0	0	C	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DHO2G)

PAGE: 54

DDH: FA80C59 UTM-N: 904,764.5 UTM-E: 593,413.2 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C59 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

**FABOC59**

Hole Number: CH 80-59

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

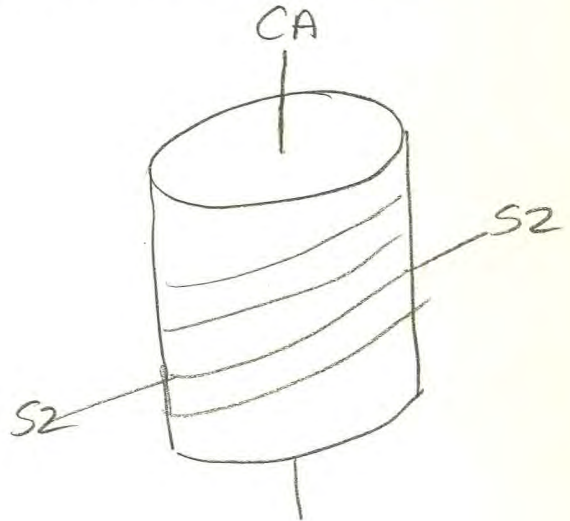
Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_

UTM Terr. Plane Co-ords.: 6904764.5 N

located relative to CH 80-57 593413.2 E

Grid Co-ords.: \_\_\_\_\_



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0

Total Depth: 30.5 m

Purpose: \_\_\_\_\_

Logged by: PN + RSL

Date(s) Logged: OCT. 80

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

NQ 8.7m 30.5m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_





Metres

FAULT

DDH B.C.H.-59  
2 8

Cyprus Anvil Mining Corp.  
Structural Log

Page \_\_\_\_\_ of \_\_\_\_\_

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Feature	S <sub>0</sub>	S <sub>1</sub>		S <sub>2</sub>		Description
	Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.							
1	10	14	16	20	22	24	26	28	32	34	38	40	44		
F		18	7		18	7		B <sub>1</sub>						broken core, weathered along S <sub>2</sub>	
F															



15FEB84 GRUM

COMPOSITES (DH020)

PAGE: 55

DRILL HOLE : FA80C60  
NORTHING : 904,814.5  
EASTING : 593,405.8  
ELEVATION : 1,295.0  
TOTAL DEPTH : 30.5  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 5  
NOS DOWN-H-STRUCTURE: 10  
NOS DOWN-H-FAULTS: 3  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (OH020)

PAGE: 56

CDH: FA80C60 UTM-N: 904,814.5 UTM-E: 593,405.8 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 57

DDH: FA80C60 UTM-N: 904,814.5 UTM-E: 593,405.8 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
7.6	0001	#		0.5-	1
23.3	0002	3GC	89 MINOR WEATHERED	0.5-	1
28.8	0003	3GC		0.5-	1
28.9	0004	10QC		0.5-	1
30.5	0005	3GC		0.5-	1

15FEB84 GRUM

DOWN-HOLE STRUCTURE (DHC20)

PAGE: 58

DDH: FA80C60 UTM-N: 904,814.5 UTM-E: 593,405.8 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
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
FA80C60	0.C	8.0	PS2		0	0	0	C	62	230	C		1	1	1
FA80C60	0.C	9.5	PS2		0	0	0	C	80	230	C		1	1	1
FA80C60	0.C	12.0	PS2		0	0	0	C	80	230	C		1	1	1
FA80C60	0.C	14.0	PS2		0	0	0	C	75	230	C		1	1	1
FA80C60	0.C	15.0	PS2		0	0	0	C	72	230	C		1	1	1
FA80C60	0.C	17.0	PS2		0	0	0	C	75	230	C		1	1	1
FA80C60	0.C	25.0	PS2		0	0	0	C	52	230	C		1	1	1
FA80C60	0.C	28.0	PS2		0	0	0	C	70	230	C		1	1	1
FA80C60	0.C	29.0	PS2		0	0	0	C	75	230	C		1	1	1
FA80C60	0.C	30.4	PS2		0	0	0	C	63	230	C		1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 59

DDH: FA80C60 UTM-N: 904,814.5 UTM-E: 593,405.8 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
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	
FA80C60	7.6	23.3	1B				0	0	0	0	1
FA80C60	17.4	23.3	3B				0	0	0	0	1
FA80C60	28.8	28.9	Q				0	0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 60

DDH: FA80C60 UTM-N: 904,814.5 UTM-E: 593,405.8 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C60 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

FAB060

Hole Number: CH 80-60

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

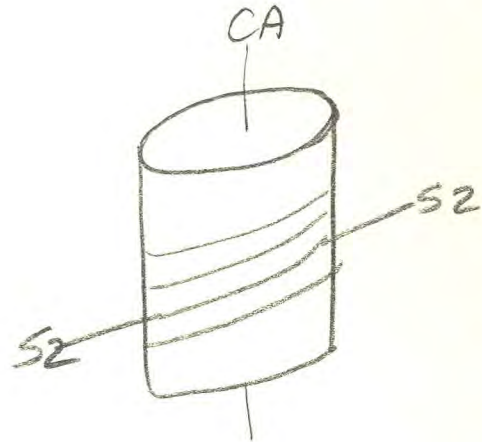
Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_

UTM ~~Terr. Plane~~  
Co-ords.: 6904814.5 N

located relative  
to CH 80-51  
Grid  
Co-ords.: 593405.8 E

Grid  
Co-ords.: \_\_\_\_\_



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1295.0

Total Depth: 30.5 m

Purpose: \_\_\_\_\_

Logged by: PN & RSL

Date(s) Logged: OCT. 80

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

NQ 7.6 m 30.5 m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_





Metres

FAULT

DDH BDGH-60  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

### Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From			To			Feature	E/S	S <sub>0</sub>			S <sub>1</sub>			S <sub>2</sub>			Description	
	10	14	16	20	22	24			26	28	32	34	38	40	44				
F		17	6		21	3	B												generally broken core weathered along S2
F		17	4		21	3	B												highly broken core
		21	8		21	8	Q												bull etc



DRILL HOLE : FA80C61  
NORTHING : 904,834.5  
EASTING : 593,392.5  
ELEVATION : 1,295.0  
TOTAL DEPTH : 30.5  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 8  
NOS DOWN-H-STRUCTURE: 12  
NOS DOWN-H-FAULTS: 2  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 62

DDH: FA80C61 UTM-N: 904,834.5 UTM-E: 593,392.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 63

DDH: FA80C61 UTM-N: 904,834.5 UTM-E: 593,392.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
7.8	0001	#		0.5-	1
10.0	0002	3G0	WEATHERED	0.5-	1
14.9	0003	3G9	STR (PY) MINOR	0.5-	1
17.2	0004	3G0	89 LOCAL	0.5-	1
17.7	0005	3G9	(1000)	0.5-	1
25.7	0006	3G0	89 LOCAL QTZ-CHL-PO BANDS	0.5-	1
26.1	0007	3G9	WEATHERED	0.5-	1
30.5	0008	3G0	WEATHERED T.O.I.	0.5-	1

15FEB84 GRUM

## DOWN-HOLE STRUCTURE (DHO20)

PAGE: 64

DDH: FA80C61 UTM-N: 904,834.5 UTM-E: 593,392.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SG	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FA80C61	0.0	8.3	PS2		0	0	0	0	0	0	80	230	0	0	0	1	1	1
FA80C61	0.0	10.0	PS2		0	0	0	0	0	0	72	230	0	0	0	1	1	1
FA80C61	0.0	11.0	PS2		0	0	0	0	0	0	70	230	0	0	0	1	1	1
FA80C61	0.0	13.0	PS2		0	0	0	0	0	0	63	230	0	0	0	1	1	1
FA80C61	0.0	15.1	PS2		0	0	0	0	0	0	72	230	0	0	0	1	1	1
FA80C61	0.0	16.0	PS2		0	0	0	0	0	0	70	230	0	0	0	1	1	1
FA80C61	0.0	18.9	PS2		0	0	0	0	0	0	76	230	0	0	0	1	1	1
FA80C61	0.0	20.2	PS2		0	0	0	0	0	0	80	230	0	0	0	1	1	1
FA80C61	0.0	22.0	PS2		0	0	0	0	0	0	65	230	0	0	0	1	1	1
FA80C61	0.0	24.0	PS2		0	0	0	0	0	0	79	230	0	0	0	1	1	1
FA80C61	0.0	27.0	PS2		0	0	0	0	0	0	70	230	0	0	0	1	1	1
FA80C61	0.0	28.8	PS2		0	0	0	0	0	0	66	230	0	0	0	1	1	1

15FEB84 GRUM

DOWN-HOLE FAULTS (DHC20)

PAGE: 65

DDH: FA80C61 UTM-N: 904,834.5 UTM-E: 593,392.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
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	
FA80C61	7.8	10.0	B				0	0	0	0	1
FA80C61	17.5	17.6	Q				0	0	0	0	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 66

DDH: FA80C61 UTM-N: 904,834.5 UTM-E: 593,392.5 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C61 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

*FAB061*

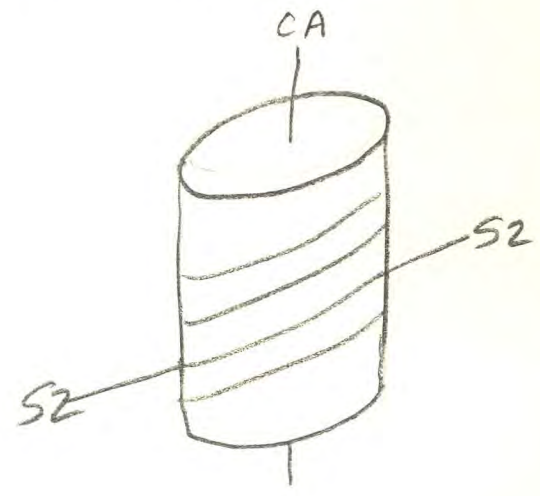
Hole Number: CH 80-61

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_



UTM Terr. Plane Co-ords.: 6904834.5 N

*located relative to CH 80-51*  
Grid Co-ords.: 593392.5 E

\_\_\_\_\_

All symmetry determinations looking  
NW with S2 dipping  
SW with dip azimuth 230.

Elevation: 1295.0

Total Depth: 30.5 m

Purpose: \_\_\_\_\_

Logged by: PN + RSL

Date(s) Logged: OCT. 80

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

NQ 7.8m 30.5m

\_\_\_\_\_  
\_\_\_\_\_

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

DDH CH. 80-6.1  
2 8

### Cyprus Anvil Mining Corp. Lithologic Log

Page \_\_\_\_\_ of \_\_\_\_\_

Logged By: PN

Code	From			To			Unit		Code		Description
	1	10	14	16	20	22	23	25	27		
L			100			78		11			o/B fractured;
L			78			100		2	3610		broken, weathered;
L			100			149		3	36A		min. py stringers
L			149			172		4	36D		locally graphitic;
L			171			177		5	36A		as unit 3; ozo w/ chlorite & po stringers
											17.5-17.6 m;
L			177			257		16	36,0		min qtz-chl-po bands; locally graphitic;
											weathered along S2 plane;
L			257			261		7	36A		as unit 3; weathered along S2 plane;
L			261			305		8	360		weathered on S2 planes down to 26.4m;







DRILL HOLE : FA80C62  
NORTHING : 904,860.0  
EASTING : 593,376.3  
ELEVATION : 1,295.0  
TOTAL DEPTH : 30.5  
SECTION :  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 3  
NOS DOWN-H-STRUCTURE: 11  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 68

DDH: FA80C62 UTM-N: 904,860.0 UTM-E: 593,376.3 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHC20)

PAGE: 69

DDH: FA80C62 UTM-N: 904,860.0 UTM-E: 593,376.3 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
7.6	0001	#		0.5-	1
12.3	0002	3GC	WEATHERED	0.5-	1
30.5	0003	3GC	STR(PY-PO)MINOR QTZ-CHL-CC BND	0.5-	1

15FEB84 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 70

DDH: FA80C62 UTM-N: 904,860.0 UTM-E: 593,376.3 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	COE	DHDC	SDC	PROCESS
FA80C62	0.0	11.0	PS2		0	0	0	0	70	230	C		1	1	1
FA80C62	0.0	12.4	PS2		0	0	0	0	66	230	C		1	1	1
FA80C62	0.0	14.3	PS2		0	0	0	0	80	230	0		1	1	1
FA80C62	0.0	15.5	PS2		0	0	0	0	70	230	0		1	1	1
FA80C62	0.0	18.7	PS2		0	0	0	0	70	230	0		1	1	1
FA80C62	0.0	20.4	PS2		0	0	0	0	80	230	0		1	1	1
FA80C62	0.0	22.0	PS2		0	0	0	0	85	230	C		1	1	1
FA80C62	0.0	24.7	PS2		0	0	0	0	80	230	C		1	1	1
FA80C62	0.0	27.0	PS2		0	0	0	0	80	230	C		1	1	1
FA80C62	0.0	29.0	PS2		0	0	0	0	70	230	C		1	1	1
FA80C62	0.0	30.0	PS2		0	0	0	0	80	230	C		1	1	1

15FEB84 GRUM

DOWN-HOLE SPLINES (DHO2D)

PAGE: 71

DDH: FA80C62 UTM-N: 904,860.0 UTM-E: 593,376.3 UTM-ELEV: 1,295.0 TOTAL DEPTH: 30.5 SECTION:  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FA80C62 1 1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:42:32

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

FAB0062

Hole Number: CH 80-62

Fabric Orientation Diagram:

Project: VANGORDA CRUSHER

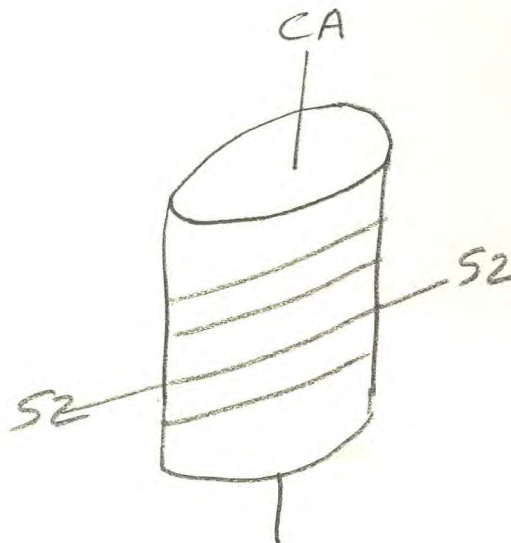
Location: VANGORDA PLATEAU

Claim: \_\_\_\_\_

UTM ~~Terr.~~ Plane  
Co-ords.: 6904860.0 N

located relative to  
CH 80-62  
Co-ords.: 593376.3 E

Grid  
Co-ords.: \_\_\_\_\_



All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Elevation: 1295.0

Total Depth: 30.5 m

Purpose: \_\_\_\_\_

Logged by: PN + RSL

Date(s) Logged: OCT. 80

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

NQ 7.6 m 30.5 m

Started: \_\_\_\_\_ Completed: \_\_\_\_\_







EA65T01

DRILL HOLE : EA65T01  
NORTHING : 906,080.0  
EASTING : 590,838.0  
ELEVATION : 1,268.0  
TOTAL DEPTH : 128.0  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 5  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 2

DDH: EA65T01 UTM-N: 906,080.0 UTM-E: 590,838.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 128.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHC CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: EA65T01 UTM-N: 906,080.0 UTM-E: 590,838.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 128.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.0	0C01	586	SER PHYLLITE	0.5-	1
12.1	0C02	586	SER-QTZ PHYLLITE	0.5-	1
54.8	0C03	5869	SER-QTZ PHYLL 10% SULPHIDES	0.5-	1
76.2	0C04	5A6	3XA TIE CONDUCTOR	0.5-	1
128.0	0C05	5869	SER-QTZ PHYLL 10% SULPHIDES	0.5-	1

10FE584 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 4

DDH: EA65T01 UTM-N: 906,020.0 UTM-E: 590,838.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 128.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHC CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA65T01 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

*EA65T01*

Hole Number: TRH 1 (Tie Rotary Hole)

Fabric Orientation Diagram:

Project: \_\_\_\_\_

*Location is guess-estimate*

Location: \_\_\_\_\_

*Based on known locations of TRH2 & TRH3, fact that*

Claim: TIE #16

*TRH1 intersected TIE FAULT,*

Terr. Plane Co-ords.: 6906075.0 N

*and possible locations noted on July 1966 air photo.*

590840.0 E

Grid Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1268.0 m

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 420 feet = 128.0m

Purpose: Rotary hole - test airborne & ground em. anomalies extending from FIRTH

Logged by: R.E.G. DAVIS

Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	_____	Core:	Size	From	To	Collar Cased and Capped: _____
----------------------	-------	-------	------	------	----	--------------------------------

*Sampled at 10 foot intervals*

_____	_____	_____
_____	_____	_____
_____	_____	_____

Started: Nov 11/65 Completed: Nov 15/65

FEET

DDH E.A. 65 T.O. 1  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
L		100			1200					1	3164	Sericite schist 1% sulphide - mainly py with lesser po
L		120			140					2	3164	Sericite quartz schist 3% sulphide - mainly py w/ lesser po
L		140			180					3	3164	Sericite quartz schist 40-50 10% sulphides 50-70 3% sulphides 70-100 10% sulphides 100-140 3% sulphides 140-180 10% sulphides } mainly py } lesser po
L		180			250						51A6	Graphitic quartz schist BXA TIE CONDUCTOR 10% sulphides - py w/ lesser po TIE CONDUCTOR
L		250			420						3164	Sericite quartz schist 10% sulphides py w/ lesser po

100

TIE RH #1 (420')

0 - 20	Sericite schist, 1% sulphide mainly pyrite with lesser pyrrhotite.
20 - 40	Sericite quartz schist, 3% sulphide mainly pyrite with lesser pyrrhotite.
40 - 180	Sericite quartz schist, 40 - 50, 10% sulphides, 50 - 70, 3% sulphides, 70 - 100, 10% sulphides, 100 - 140, 3% sulphides, 140 - 180, 10% sulphides mainly pyrite with minor pyrrhotite.
180 - 250	Graphitic quartz schist, 10% sulphides mainly pyrite with minor pyrrhotite.
250 - 420	Sericite quartz schist, 10% sulphide, mainly pyrite with minor pyrrhotite.

TIE RH#2 (370')

0 - 370	Sericite quartz schist 0 - 20, 3% sulphides, 20 - 70, 10% sulphides, 70 - 120, 15% sulphides, 120 - 200, 7% sulphides, 200 - 210, 4% sulphides, 210 - 260, 7% sulphides, 260 - 290, 10% sulphides, 290 - 320, 7% sulphides, 320 - 370. 0' - 160' sulphides mainly pyrite with lesser pyrrhotite. 160 - 230 mainly pyrite with one half as much pyrrhotite. 230 - 370 mainly pyrite and pyrrhotite in equal amounts.
---------	---

TIE RH#3 (220')

0 - 90	Biotitic quartz schist, 0 - 10 no sulphide, 10 - 20 less than 1%, 20 - 50, 3% sulphide, 50 - 80, 4% sulphide, 80 - 90, 7% sulphide.
90 - 140	Graphitic schist, 7% sulphide.
140 - 200	Quartz sericite schist, 140 - 180, 5% sulphide, 180 - 200, 2% sulphide.
200 - 210	No sample.
210 - 220	Quartz sericite schist, 5% sulphide. Sulphide mainly pyrite with lesser pyrrhotite.

TIE RH #4 (230')

0 - 20	No sample.
20 - 230	Quartz sericite schist, 20 - 40, 5% sulphide, 40 - 180, 10% sulphide, 180 - 230, 5% sulphide. Mainly pyrite with lesser pyrrhotite.

20140  
10000  
10000

EA65T02

DRILL HOLE : EA65T02  
NORTHING : 906,093.0  
EASTING : 590,942.0  
ELEVATION : 1,268.0  
TOTAL DEPTH : 112.7  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 1  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

15FEB84 GRUM

DOWN-HOLE SURVEYS (DH02C)

PAGE: 6

DDH: EA65T02 UTM-N: 906,093.0 UTM-E: 590,942.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 112.7 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 7

DDH: EA65T02 UTM-N: 906,093.0 UTM-E: 590,942.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 112.7 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
112.7	0C01	5869	SER-QTZ PHYLL 3-15% SULPHIDES	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 3

DDH: EA65T02 UTM-N: 906,093.0 UTM-E: 590,942.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 112.7 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA65T02 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA65T02

Hole Number: TRH #2 (Tie Rotary Hole) Fabric Orientation Diagram: \_\_\_\_\_

Project: \_\_\_\_\_

Location: \_\_\_\_\_

DDH Collar located on ground.

Claim: \_\_\_\_\_

Coordinates measured from

1:5000 scale

<sup>UTM</sup> Terr. Plane Co-ords.: 6906090. N

1979 HIW Orthophoto

590945. E

Grid Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1268.0 m.

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 370 feet

Purpose: Test air & ground EM anomalies extending from FIRTH

Logged by: \_\_\_\_\_ Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Sampled every 10'

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Feet

DDH EA 65 T 0 2  
2 8

Cyprus Anvil Mining Corp.  
 Lithologic Log

Page \_\_\_\_\_ of \_\_\_\_\_

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From			To			Recov.	No.		Unit	Description	
	1	10	14	16	20	22	24	26	28	30		34
L			00		37	00				3646	Sericite quartz schist sulphides content varies from 3% to 15% sulphides py & po	

TIE RH #1 (420')

- 0 - 20 Sericite schist, 1% sulphide mainly pyrite with lesser pyrrhotite.
- 20 - 40 Sericite quartz schist, 3% sulphide mainly pyrite with lesser pyrrhotite.
- 40 - 180 Sericite quartz schist, 40 - 50, 10% sulphides, 50 - 70, 3% sulphides, 70 - 100, 10% sulphides, 100 - 140, 3% sulphides, 140 - 180, 10% sulphides mainly pyrite with minor pyrrhotite.
- 180 - 250 ✓ Graphitic quartz schist, 10% sulphides mainly pyrite with minor pyrrhotite.
- 250 - 420 Sericite quartz schist, 10% sulphide, mainly pyrite with minor pyrrhotite.

TIE RH#2 (370')

- 0 - 370 Sericite quartz schist 0 - 20, 3% sulphides, 20 - 70, 10% sulphides, 70 - 120, 15% sulphides, 120 - 200, 7% sulphides, 200 - 210, 4% sulphides, 210 - 260, 7% sulphides, 260 - 290, 10% sulphides, 290 - 320, 7% sulphides, 320 - 370. 0' - 160' sulphides mainly pyrite with lesser pyrrhotite. 160 - 230 mainly pyrite with one half as much pyrrhotite. 230 - 370 mainly pyrite and pyrrhotite in equal amounts.

TIE RH#3 (220')

- 0 - 90 Biotitic quartz schist, 0 - 10 no sulphide, 10 - 20 less than 1%, 20 - 50, 3% sulphide, 50 - 80, 4% sulphide, 80 - 90, 7% sulphide.
- 90 - 140 ✓ Graphitic schist, 7% sulphide.
- 140 - 200 Quartz sericite schist, 140 - 180, 5% sulphide, 180 - 200, 2% sulphide.
- 200 - 210 No sample.
- 210 - 220 Quartz sericite schist, 5% sulphide. Sulphide mainly pyrite with lesser pyrrhotite.

TIE RH #4 (230')

- 0 - 20 No sample.
- 20 - 230 Quartz sericite schist, 20 - 40, 5% sulphide, 40 - 180, 10% sulphide, 180 - 230, 5% sulphide. Mainly pyrite with lesser pyrrhotite.

20-40  
40-180  
180-230

EA 65 T 03

DRILL HOLE : EA65TC3  
NORTHING : 905,960.0  
EASTING : 590,612.0  
ELEVATION : 1,276.0  
TOTAL DEPTH : 67.0  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 5  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 10

DDH: EA65T03 UTM-N: 905,960.0 UTM-E: 590,612.0 UTM-ELEV: 1,276.0 TOTAL DEPTH: 67.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: EA65T03 UTM-N: 905,960.0 UTM-E: 590,612.0 UTM-ELEV: 1,276.0 TOTAL DEPTH: 67.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
27.4	OC01	586		0.5-	1
42.6	OC02	5A6	BXA TIE CONDUCTOR	0.5-	1
60.9	OC03	586	SER-QTZ PHYLLITE	0.5-	1
64.0	OC04	*	NO SAMPLE	0.5-	1
67.0	OC05	586	SER-QTZ PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 12

DDH: EA65T03 UTM-N: 905,960.0 UTM-E: 590,612.0 UTM-ELEV: 1,276.0 TOTAL DEPTH: 67.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA65T03 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA65T03

Hole Number: TRH # 3 (Tie Rotary Hole) Fabric Orientation Diagram: \_\_\_\_\_

Project: \_\_\_\_\_ located on ground & air photos

Location: \_\_\_\_\_ coordinates measured from

Claim: \_\_\_\_\_ 1:5000 scale

UTM ~~Terr. Plane~~ Co-ords.: 6905955. N 1979 HIW orthophoto.

590615. E

Grid Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1277.0m \_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 220 feet

Purpose: test air & ground EM anomalies along strike from FIRTH

Logged by: \_\_\_\_\_ Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Feet

DDH EA.6.5.T.O.3  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.				No.				Unit				Description					
	1	10	14	16	20	22	24	26	28	30	34	35	1	10	14	16	20	22	24	26		28	30	34	35	
L		10			19	10							1												151B6	Biotitic quartz schist
L		19			14	10							2												151A6	Graphitic schist 7% sulphides BXA TIE CONDUCTOR
L		14			20	10							3												131G4	Quartz sericite schist
L		20			21	10							4												1*	No Sample
L		21			22	10							5												131G4	Quartz sericite schist

TIE RH #1 (420')

- 0 - 20 Sericite schist, 1% sulphide mainly pyrite with lesser pyrrhotite.
- 20 - 40 Sericite quartz schist, 3% sulphide mainly pyrite with lesser pyrrhotite.
- 40 - 180 Sericite quartz schist, 40 - 50, 10% sulphides, 50 - 70, 3% sulphides, 70 - 100, 10% sulphides, 100 - 140, 3% sulphides, 140 - 180, 10% sulphides mainly pyrite with minor pyrrhotite.
- 180 - 250 ✓ Graphitic quartz schist, 10% sulphides mainly pyrite with minor pyrrhotite.
- 250 - 420 Sericite quartz schist, 10% sulphide, mainly pyrite with minor pyrrhotite.

TIE RH#2 (370')

- 0 - 370 Sericite quartz schist 0 - 20, 3% sulphides, 20 - 70, 10% sulphides, 70 - 120, 15% sulphides, 120 - 200, 7% sulphides, 200 - 210, 4% sulphides, 210 - 260, 7% sulphides, 260 - 290, 10% sulphides, 290 - 320, 7% sulphides, 320 - 370. 0' - 160' sulphides mainly pyrite with lesser pyrrhotite. 160 - 230 mainly pyrite with one half as much pyrrhotite. 230 - 370 mainly pyrite and pyrrhotite in equal amounts.

TIE RH#3 (220')

- 0 - 90 Biotitic quartz schist, 0 - 10 no sulphide, 10 - 20 less than 1%, 20 - 50, 3% sulphide, 50 - 80, 4% sulphide, 80 - 90, 7% sulphide.
- 90 - 140 ✓ Graphitic schist, 7% sulphide.
- 140 - 200 Quartz sericite schist, 140 - 180, 5% sulphide, 180 - 200, 2% sulphide.
- 200 - 210 No sample.
- 210 - 220 Quartz sericite schist, 5% sulphide. Sulphide mainly pyrite with lesser pyrrhotite.

TIE RH #4 (230')

- 0 - 20 No sample.
- 20 - 230 Quartz sericite schist, 20 - 40, 5% sulphide, 40 - 180, 10% sulphide, 180 - 230, 5% sulphide. Mainly pyrite with lesser pyrrhotite.

20-40  
40-90  
90-140  
140-200  
200-210  
210-220

EA65T04

DRILL HOLE : EA65TC4  
NORTHING : 905,832.0  
EASTING : 590,270.0  
ELEVATION : 1,263.0  
TOTAL DEPTH : 70.0  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHD20)

PAGE: 14

DDH: EA65T04	UTM-N: 905,832.0	UTM-E: 590,270.0	UTM-ELEV: 1,263.0	TOTAL DEPTH: 70.0	SECTION:
	RFE: RFE DIR:	0 PLUNGE ANGLES:	0 DHD CALC:	1 SS CALC:	0
DEPTH	ZENITH	AZIMUTH			
0.000	180.000	0.000			

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 15

DDH: EA65T04 UTM-N: 905,832.0 UTM-E: 590,270.0 UTM-ELEV: 1,263.0 TOTAL DEPTH: 70.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.0	OCC1	*	NO SAMPLE	0.5-	1
70.1	OCC2	3GC	[586] QTZ-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 16

DDH: EA65T04 UTM-N: 905,832.0 UTM-E: 590,270.0 UTM-ELEV: 1,263.0 TOTAL DEPTH: 70.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS CCND INDICATOR

EA65T04 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA65T04

Hole Number: TRH#4 (Tie Rotary Hole) Fabric Orientation Diagram:

Project: \_\_\_\_\_

Location: \_\_\_\_\_

*Located by clearing on air photo.*

Claim: \_\_\_\_\_

*Coordinates measured from*

UTM ~~Terr. Plane~~ Co-ords.: 6905830. N

*1:5000 Scale*

590265. E

*1979 HZW Orthophoto*

Grid Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1263.

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 230 feet

Purpose: test airborne & ground EM anomalies along strike from FIRTH

Logged by: \_\_\_\_\_ Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*sampled every 10 feet.*

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Feet

DDH E.A. 65 T. 0.4  
 2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.				No.				Unit				Description	
	1	10	14	16	20	22	24	26	28	30	34	35	1	2	3	4	1	2	3	4		
L			10				12	10							1							No SAMPLE
L			12	10			12	30							12							Quartz-sericite schist 5-10% sulphides - mainly py w/ lesser po

105 R 5

TIE RH #1 (420')

- 0 - 20 Sericite schist, 1% sulphide mainly pyrite with lesser pyrrhotite.
- 20 - 40 Sericite quartz schist, 3% sulphide mainly pyrite with lesser pyrrhotite.
- 40 - 180 Sericite quartz schist, 40 - 50, 10% sulphides, 50 - 70, 3% sulphides, 70 - 100, 10% sulphides, 100 - 140, 3% sulphides, 140 - 180, 10% sulphides mainly pyrite with minor pyrrhotite.
- 180 - 250 Graphitic quartz schist, 10% sulphides mainly pyrite with minor pyrrhotite.
- 250 - 420 Sericite quartz schist, 10% sulphide, mainly pyrite with minor pyrrhotite.

TIE RH#2 (370')

- 0 - 370 Sericite quartz schist 0 - 20, 3% sulphides, 20 - 70, 10% sulphides, 70 - 120, 15% sulphides, 120 - 200, 7% sulphides, 200 - 210, 4% sulphides, 210 - 260, 7% sulphides, 260 - 290, 10% sulphides, 290 - 320, 7% sulphides, 320 - 370. 0' - 160' sulphides mainly pyrite with lesser pyrrhotite. 160 - 230 mainly pyrite with one half as much pyrrhotite. 230 - 370 mainly pyrite and pyrrhotite in equal amounts.

TIE RH#3 (220')

- 0 - 90 Biotitic quartz schist, 0 - 10 no sulphide, 10 - 20 less than 1%, 20 - 50, 3% sulphide, 50 - 80, 4% sulphide, 80 - 90, 7% sulphide.
- 90 - 140 Graphitic schist, 7% sulphide.
- 140 - 200 Quartz sericite schist, 140 - 180, 5% sulphide, 180 - 200, 2% sulphide.
- 200 - 210 No sample.
- 210 - 220 Quartz sericite schist, 5% sulphide. Sulphide mainly pyrite with lesser pyrrhotite.

TIE RH #4 (230')

- 0 - 20 No sample.
- 20 - 230 Quartz sericite schist, 20 - 40, 5% sulphide, 40 - 180, 10% sulphide, 180 - 230, 5% sulphide. Mainly pyrite with lesser pyrrhotite.

20 - 40  
40 - 180  
180 - 230

EA 71 034

DRILL HOLE : EA71034  
NORTHING : 905,850.0  
EASTING : 591,207.0  
ELEVATION : 1,301.0  
TOTAL DEPTH : 19.5  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUP

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 18

DDH: EA71034 UTM-N: 905,850.0 UTM-E: 591,207.0 UTM-ELEV: 1,301.0 TOTAL DEPTH: 19.5 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHG20)

PAGE: 19

DDH: EA71034 UTM-N: 905,850.0 UTM-E: 591,207.0 UTM-ELEV: 1,301.0 TOTAL DEPTH: 19.5 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: C C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
12.8	0001	#	OVERBURDEN	0.5-	1
19.5	0002	586	CCRE QTZ-SER-CHL PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 20

DDH: EA71034 UTM-N: 905,850.0 UTM-E: 591,207.0 UTM-ELEV: 1,301.0 TOTAL DEPTH: 19.5 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71034 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA71034

Hole Number: RH 71-034

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATION ??

Location: \_\_\_\_\_

location transferred from earlier  
DDH compilations and orthophoto to

Claim: TIE # 21

1:5000 scale 1979 HW orthophoto

UTM ~~Terr. Plane~~  
Co-ords.: 6905850. N

not field checked.

591205. E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1301. m

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 64 feet

Purpose: \_\_\_\_\_

Logged by: W. ROBERTS

Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: May 21/71 Completed: May 21/71



EA 71 035

DRILL HOLE : EA71035  
NORTHING : 905,690.0  
EASTING : 590,960.0  
ELEVATION : 1,308.0  
TOTAL DEPTH : 26.8  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 4  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHC20)

PAGE: 22

DDH: EA71035	UTM-N: 905,690.0	UTM-E: 590,960.0	UTM-ELEV: 1,308.0	TOTAL DEPTH:	26.8	SECTION:
	RFE: RFE DIR:	0 PLUNGE ANGLES:	0 0 DHD CALC:	1 SS CALC:	0	
DEPTH	ZENITH	AZIMUTH				
0.000	180.000	0.000				

DCH: EA71035 UTM-N: 905,690.0 UTM-E: 590,960.0 UTM-ELEV: 1,308.0 TOTAL DEPTH: 26.8 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.0	0001	#	OVERBURDEN	0.5-	1
12.1	0002	5B6		0.5-	1
15.2	0003	*	NC SAMPLE	0.5-	1
26.8	0004	5E6	CCRE QTZ-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 24

DDH: EA71035 UTM-N: 905,690.0 UTM-E: 590,960.0 UTM-ELEV: 1,308.0 TOTAL DEPTH: 26.8 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 G DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71035 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: EA71035  
RH 71-035

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATION

Location: \_\_\_\_\_

GRASSED-BUSHY CLEARING ON  
CAT TRACK

Claim: TIE # 22

MEASURED ON 1:5000

1979 HIW Orthophoto Survey.

WTM ~~Terr. Plane~~  
Co-ords.: 6905690 N

LOCATION APPROX.

590960 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1308 m

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 88 feet

Purpose: \_\_\_\_\_

Logged by: W. ROBERTS Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

Started: May 21/71 Completed: May 22/71

DDH E.A.71.035  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Core #	From					To					Recov.					No.					Unit					Description													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		26	27	28	29	30	31	32	33	34	35			
L					10					120																										Overburden			
L					120					140																										Bedrock - shattered grey silty clay & phyllite chips			
L					150					188																										Poor recovery Qtz-rich sericite phyllite Fibs ~45° axis Highly crenulated & qtz veined Non magnetic			

EA 71 036

DRILL HOLE : EA71036  
NORTHING : 905,593.0  
EASTING : 590,828.0  
ELEVATION : 1,320.0  
TOTAL DEPTH : 16.1  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 3  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEE84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 26

DDH: EA71036	UTM-N: 905,593.0	UTM-E: 590,828.0	UTM-ELEV: 1,320.0	TOTAL DEPTH:	16.1	SECTION:
	RFE: RFE DIR:	0 PLUNGE ANGLES:	0 C DHD CALC:	1 SS CALC:	0	
DEPTH	ZENITH	AZIMUTH				
0.000	180.000	0.000				

DDH: EA71036 UTM-N: 905,593.0 UTM-E: 590,828.0 UTM-ELEV: 1,320.0 TOTAL DEPTH: 16.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.0	0001	#	OVERBURDEN	0.5-	1
9.7	0002	*	NO SAMPLE	0.5-	1
16.1	0003	5862	CORE [369] QTZ-SER-CHL PHYLL	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 26

DDH: EA71036 UTM-N: 905,593.0 UTM-E: 590,828.0 UTM-ELEV: 1,320.0 TOTAL DEPTH: 16.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: C 0 DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71036 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: EA 71036  
RH 71-036

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT SMALL CLEARING  
IN CAT ROAD  
NOT FIELD CHECKED

Location: \_\_\_\_\_

Claim: TIE #22

MEASURED FROM 1:5000 SCALE  
1979 HIW ORTHOPHOTO

<sup>UTM</sup> ~~Terr. Plane~~  
Co-ords.: 6905595 N

590825 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1319

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 5.3 feet

Purpose: \_\_\_\_\_

Logged by: W ROBERTS Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

_____	_____	_____
_____	_____	_____
_____	_____	_____

Started: May 22/71 Completed: May 23/71

Feet

DDH E.A.7.1.036  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.				No.				Unit				Description					
	1	10	14	16	20	22	24	26	28	30	34	35	1	10	14	16	20	22	24	26		28	30	34	35	
			10				12																			Overburden
			12				13																			???
			13				15																			CORE [369] Dark grey quartz sericite chlorite phyllite F2 ~ 75°-90° axis - uneven w/ few crenulations F1 when present is highly variable and concordant Fracture fillings contains calcite - non magnetic

EA 71 037

DRILL HOLE : EA71037  
NORTHING : 905,535.0  
EASTING : 590,675.0  
ELEVATION : 1,322.0  
TOTAL DEPTH : 17.8  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 3  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 30

DDH: EA71037	UTM-N: 905,535.0	UTM-E: 590,675.0	UTM-ELEV: 1,322.0	TOTAL DEPTH: 17.8	SECTION: 0
	RFE: RFE DIR:	0 PLUNGE ANGLES:	0 0 DHD CALC:	1 SS CALC:	0
DEPTH	ZENITH	AZIMUTH			
0.000	180.000	0.000			

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHC20)

PAGE: 31

DDH: EA71037 UTM-N: 905,535.0 UTM-E: 590,675.0 UTM-ELEV: 1,322.0 TOTAL DEPTH: 17.8 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
6.0	0001	#	OVERBURDEN	0.5-	1
13.1	0002	*	NO SAMPLE BEDROCK	0.5-	1
17.9	0003	5B62	CCRE [3G9] QTZ-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 32

DDH: EA71037 UTM-N: 905,535.0 UTM-E: 590,675.0 UTM-ELEV: 1,322.0 TOTAL DEPTH: 17.8 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS CCND INDICATOR

EA71037 1 1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:54:01

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 71037

Hole Number: RH 71-037

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT INTERSECTION OF  
TWO CAT ROADS  
NOT FIELD CHECKED

Location: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE  
1979 HIW ORTHOPHOTO

Claim: GAL # 246

UTM Terr. Plane  
Co-ords.: 6905540. N

590675. E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking  
\_\_\_\_\_ with \_\_\_\_\_ dipping  
\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Elevation: 1321

Total Depth: \_\_\_\_\_

Purpose: \_\_\_\_\_

Logged by: W ROBERTS Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: May 23/71 Completed: May 23/71

DDH E.A.7.1.0.3.7  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.				No.				Unit				Description						
	1	10	14	16	20	22	24	26	28	30	34	35	1	10	14	16	20	22	24	26		28	30	34	35		
L			10				12	10														#				Overburden	
L			12	10				14	13																		Bedrock - no samples
L			14	13				15	19														13	5B1612			Dark grey gtz sericite phyllite w/ interfoliation of black graphitic phyllite Estimate 50-60% gtz. F <sub>2</sub> ~45-60° axis traces of F <sub>1</sub> but highly contorted Nonmagnetic

EA71 040

DRILL HOLE : EA71040  
NORTHING : 906,125.0  
EASTING : 590,482.0  
ELEVATION : 1,243.0  
TOTAL DEPTH : 13.1  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

17FEB84 GRUM

DOWN-HOLE SURVEYS (DF02C)

PAGE: 2

UOH: EA71040 UTM-N: 906,125.0 UTM-E: 590,482.0 UTM-ELEV: 1,243.0 TOTAL DEPTH: 13.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: C C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

17FB884 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 3

DDH: EA71040 UTM-N: 906,125.0 UTM-E: 590,482.0 UTM-ELEV: 1,243.0 TOTAL DEPTH: 13.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.7	OCC1	#	CVERBURDEN	0.5-	1
13.1	OC02	5BC	CC-CHL-SER PHYLLITE	0.5-	1

17FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 4

DDH: EA71040 UTM-N: 906,125.0 UTM-E: 590,482.0 UTM-ELEV: 1,243.0 TOTAL DEPTH: 13.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71040 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

(RH 71-040)

Hole Number: EA 71 040

Fabric Orientation Diagram:

Project: \_\_\_\_\_

*LOCATION APPROX.*

Location: \_\_\_\_\_

*Measured from 1:5000 scale  
1979 HIW Orthophoto*

Claim: \_\_\_\_\_

*Taken from earlier compilations of  
rotary hole locations.*

UTM ~~Terr. Plane~~  
Co-ords.: 6906125.0 N

590482.0 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1243.0

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 13.1m

Purpose: \_\_\_\_\_

Logged by: W ROBERTS Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	_____	Core:	Size	From	To	Collar Cased and Capped: _____
				_____	_____	
				_____	_____	
				_____	_____	

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

DDH E.A.7.7.0.4.0  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.				No.				Unit				Description				
	1	10	14	16	20	22	24	26	28	30	34	35	1	10	14	16	20	22	24	26		28	30	34	35
L																		1#				Overburden			
L																		15.801				Calcareous chlorite-sericite phyllite poor recovery FOH			

EA 71 162

DRILL HOLE : EA71162  
NORTHING : 905,462.0  
EASTING : 593,562.0  
ELEVATION : 1,354.0  
TOTAL DEPTH : 15.2  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 3  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHQ20)

PAGE: 2

DDH: EA71162 UTM-N: 905,462.0 UTM-E: 593,562.0 UTM-ELEV: 1,354.0 TOTAL DEPTH: 15.2 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHC CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: EA71162    UTM-N: 905,462.0    UTM-E: 593,562.0    UTM-ELEV: 1,354.0    TOTAL DEPTH: 15.2 SECTION:  
 RFE:    RFE DIR:    0 PLUNGE ANGLES:    0    C DHD CALC:    1 SS CALC:    0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.0	0001	#	OVERBURDEN	0.5-	1
12.1	0002	5B0	[3G3] CHL-SER PHYLLITE	0.5-	1
15.2	0003	10AB	BIO-MSC GRANITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 4

DDH: EA71162 UTM-N: 905,462.0 UTM-E: 593,562.0 UTM-ELEV: 1,354.0 TOTAL DEPTH: 15.2 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71162 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 71162

Hole Number: RH 71-162

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATION??

Location: \_\_\_\_\_

Claim: \_\_\_\_\_

UTM ~~Terr. Plane~~  
Co-ords.: \_\_\_\_\_ N

\_\_\_\_\_ E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: \_\_\_\_\_

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: \_\_\_\_\_

Purpose: \_\_\_\_\_

Logged by: J. GONDI

Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	_____	Core:	Size	From	To	Collar Cased and Capped: _____
				_____	_____	
				_____	_____	
				_____	_____	

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



EA 71 163

DRILL HOLE : EA71163  
NORTHING : 905,100.0  
EASTING : 592,930.0  
ELEVATION : 1,303.0  
TOTAL DEPTH : 15.2  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 6

DDH: EA71163 UTM-N: 905,100.0 UTM-E: 592,930.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 15.2 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DMO20)

PAGE: 7

DDH: EA71163 UTM-N: 905,100.0 UTM-E: 592,930.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 15.2 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1-SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
9.1	0001	*	NO RECORD IN LOG	0.5-	1
15.2	0002	5B6	CHL-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 8

DDH: EA71163 UTM-N: 905,100.0 UTM-E: 592,930.0 UTM-ELEV: 1,303.0 TOTAL DEPTH: 15.2 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71163 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: EA 71-163  
RH 71-163

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT INTERSECTION  
OF TWO ROADS

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

1979 HIW ORTHOPHOTO

UTM ~~Terr. Plane~~  
Co-ords.: 6905100 N

592930 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1303

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 50 feet

Purpose: \_\_\_\_\_

Logged by: S. GONDI Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



EA 71 165

DRILL HOLE : EA71165  
NORTHING : 905,495.0  
EASTING : 593,000.0  
ELEVATION : 1,332.0  
TOTAL DEPTH : 6.0  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHD20)

PAGE: 10

DDH: EA71165 UTM-N: 905,495.0 UTM-E: 593,000.0 UTM-ELEV: 1,332.0 TOTAL DEPTH: 6.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: C C DHC CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHC20)

PAGE: 11

DDH: EA71165 UTM-N: 905,495.0 UTM-E: 593,000.0 UTM-ELEV: 1,332.0 TOTAL DEPTH: 6.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.0	0001	*	NO RECORD IN LOG	0.5-	1
6.0	0002	10AB	(1CD)(3D ) 85% GRANITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 12

DDH: EA71165 UTM-N: 905,495.0 UTM-E: 593,000.0 UTM-ELEV: 1,332.0 TOTAL DEPTH: 6.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS CCND INDICATOR

EA71165 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: EA 71165  
RH 71-165

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED IN SMALL CLEARING  
AT BEND IN ROAD

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

UTM ~~Terr. Plane~~  
Co-ords.: 6905495 N

1979 HIW ORTHOPHOTO

593000 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1332

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 20 feet

Purpose: \_\_\_\_\_

Logged by: J. GONDI Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

Core	Size	From	To	Collar Cased and Capped
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



EA 71 166

DRILL HOLE : EA71166  
NORTHING : 905,760.0  
EASTING : 592,477.0  
ELEVATION : 1,324.0  
TOTAL DEPTH : 57.9  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 1  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 14

DDH: EA71166 UTM-N: 905,760.0 UTM-E: 592,477.0 UTM-ELEV: 1,324.0 TOTAL DEPTH: 57.9 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHD20)

PAGE: 15

DDH: EA71166 UTM-N: 905,760.0 UTM-E: 592,477.0 UTM-ELEV: 1,324.0 TOTAL DEPTH: 57.9 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
57.9	OC01	#	OVERBURDEN NO BEDROCK	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 16

DDH: EA71166 UTM-N: 905,760.0 UTM-E: 592,477.0 UTM-ELEV: 1,324.0 TOTAL DEPTH: 57.9 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHC CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71166 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: EA 71166  
RH 71-166

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT SHARP BEND IN ROAD

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED ON 1:5000 SCALE

UTM Terr. Plane  
Co-ords.: 6905760 N

1979 HIW ORTHOPHOTO SURVEY

592480 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1324

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: \_\_\_\_\_

Purpose: \_\_\_\_\_

Logged by: U LAWSONS

Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Feet

DDH EA 71166  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.				No.				Unit	Description			
	10	14	16	20	22	24	26	28	30	34	35	10	14	16	20	22			24	26	28
		10		19	10															#	Overburden - no bedrock highly calcareous

EA 71 167

DRILL HOLE : EA71167  
NORTHING : 906,565.0  
EASTING : 591,852.0  
ELEVATION : 1,346.0  
TOTAL DEPTH : 9.1  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHQ20)

PAGE: 18

DDH: EA71167 UTM-N: 906,565.0 UTM-E: 591,852.0 UTM-ELEV: 1,346.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

10FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 19

DDH: EA71167 UTM-N: 906,565.0 UTM-E: 591,852.0 UTM-ELEV: 1,346.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHO CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.0	OCC1	*	NO RECORD IN LOG	0.5-	1
9.1	OCC2	30	CALC-SILICATE	0.5-	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: EA 71-167  
RH 71-167

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT BEND IN CAT ROAD

Location: \_\_\_\_\_

FIELD CHECKED IN 1983 - NO  
EVIDENCE OF LOCATION OF DRILL HOLE

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

1979 HIW ORTHOPHOTO

UTM ~~Terr.~~ Plane  
Co-ords.: 6906560. N

591853. E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1347.

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: \_\_\_\_\_

Purpose: \_\_\_\_\_

Logged by: J. GONDI

Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

*Feet*

DDH E.A.7.1.1.6.7  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

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			10				10								No record Overburden?
L			10				30						131	D3	Calc-silicate phyllite [3F]  (Calc gtz chlon bio ser schist - highly calcareous - non magn. & non graphitic)

EA 71 168

DRILL HOLE : EA71168  
NORTHING : 905,277.0  
EASTING : 591,418.0  
ELEVATION : 1,338.0  
TOTAL DEPTH : 9.1  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 22

DDH: EA71168 UTM-N: 905,277.0 UTM-E: 591,418.0 UTM-ELEV: 1,338.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 23

DDH: EA71168 UTM-N: 905,277.0 UTM-E: 591,418.0 UTM-ELEV: 1,338.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.0	0001	*	NC RECORD IN LOG	0.5-	1
9.1	0002	5B6	CHL-SER PHYLLITE	0.5-	1

16FES84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 24

DDH: EA71168 UTM-N: 905,277.0 UTM-E: 591,418.0 UTM-ELEV: 1,338.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHC CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71168 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 71168

Hole Number: RH 71-168

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT SMALL CLEARING ON  
CAT ROAD

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

UTM ~~Terr. Plane~~  
Co-ords.: 6905280 N

1979 HIW ORTHOPHOTO

591420 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1338

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 30 feet

Purpose: \_\_\_\_\_

Logged by: J. GOWDI

Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	_____	Core:	Size	From	To	Collar Cased and Capped: _____
				_____	_____	
				_____	_____	
				_____	_____	

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Feet

DDH E.A. 71168  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
L	10	10	10	10	10	10	10	10	10	10	No record overburden?
L	10	10	30	30	30	30	30	30	15B16	15B16	Chlorite - sericite phyllite Low CO <sub>2</sub> Non magnetic & non graphitic

EA 71 169

DRILL HOLE : EA71169  
NORTHING : 905,053.0  
EASTING : 591,215.0  
ELEVATION : 1,348.0  
TOTAL DEPTH : 9.1  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 1  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 26

DDH: EA71169 UTM-N: 905,053.0 UTM-E: 591,215.0 UTM-ELEV: 1,348.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: EA71169 UTM-N: 905,053.0 UTM-E: 591,215.0 UTM-ELEV: 1,348.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
9.1	OCC1	566	CHL-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHQ20)

PAGE: 28

DDH: EA71169 UTM-N: 905,053.0 UTM-E: 591,215.0 UTM-ELEV: 1,348.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71169 1 1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:59:48

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 71169

Hole Number: RH 71-169

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT ROAD INTERSECTION

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

1979 HIW ORTHOPHOTO

UWM Terr. Plane Co-ords.: 6905055 N

591215 E

Grid Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1348

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 30 feet

Purpose: \_\_\_\_\_

Logged by: J. GONDI

Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	_____	Core:	Size	From	To	Collar Cased and Capped: _____
				_____	_____	
				_____	_____	
				_____	_____	

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



EA 71 173

DRILL HOLE : EA71173  
NORTHING : 904,825.0  
EASTING : 591,860.0  
ELEVATION : 1,305.0  
TOTAL DEPTH : 9.1  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

1 FEB 84 GRUM

DOWN-HOLE SURVEYS (DHD20)

PAGE: 2

DDH: EA71173 UTM-N: 904,825.0 UTM-E: 591,860.0 UTM-ELEV: 1,305.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHC CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

16FEE84 GRUM

DOWN-HOLE LITHOLOGY (DHC20)

PAGE: 3

DDH: EA71173 UTM-N: 904,825.0 UTM-E: 591,360.0 UTM-ELEV: 1,305.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.0	0001	*	NO RECORD IN LOG	0.5-	1
9.1	0002	5BC	CC-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 4

DDH: EA71173 UTM-N: 904,825.0 UTM-E: 591,860.0 UTM-ELEV: 1,305.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71173 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 7173

Hole Number: RH 71-173

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT SMALL CLEARING ON ROAD

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

1979 HIW ORTHOPHOTO

UTM ~~Terr.~~ Plane  
Co-ords.: 6904825 N

591860 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1306.

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 30 feet

Purpose: \_\_\_\_\_

Logged by: \_\_\_\_\_ Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



EA 71 174

DRILL HOLE : EA71174  
NORTHING : 904,625.0  
EASTING : 591,687.0  
ELEVATION : 1,304.0  
TOTAL DEPTH : 9.1  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHD20)

PAGE: 6

DDH: EA71174 UTM-N: 904,625.0 UTM-E: 591,687.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

15FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 7

DDH: EA71174 UTM-N: 904,625.0 UTM-E: 591,687.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: C 0 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.0	0001	*	NO RECORD IN LOG	0.5-	1
9.1	0002	5C3	CALCAREOUS METABASITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 8

DDH: EA71174 UTM-N: 904,625.0 UTM-E: 591,687.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 9.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHC CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71174 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 71174

Hole Number: RH 71-174

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT ROAD INTERSECTION

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

1979 HIW ORTHOPHOTO

WTM ~~Terr. Plane~~  
Co-ords.: 6904625 N

591685 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1305

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 30 feet

Purpose: \_\_\_\_\_

Logged by: J. GOWDI Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

DDH E.A.71.174  
 2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.				No.				Unit				Description				
	1	10	14	16	20	22	24	26	28	30	34	35	1	10	14	16	20	22	24	26		28	30	34	35
L			10				110																		No record
			110				1310																		Calc-silicate schist Dark green schist w/ about 0.5% qtz High CO <sub>3</sub> Non magnetic & non graphitic
																									<u>Checked in field as metabasite!</u>

EA 71 179

DRILL HOLE : EA71179  
NORTHING : 904,340.0  
EASTING : 592,353.0  
ELEVATION : 1,265.0  
TOTAL DEPTH : 12.0  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DP020)

PAGE: 10

DDH: EA71179 UTM-N: 904,340.0 UTM-E: 592,353.0 UTM-ELEV: 1,265.0 TOTAL DEPTH: 12.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 11

DDH: EA71179 UTM-N: 904,340.0 UTM-E: 592,353.0 UTM-ELEV: 1,265.0 TOTAL DEPTH: 12.0 SECTION:  
RFE: RFE DIP: 0 PLUNGE ANGLES: 0 C DHC CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
9.1	0001	#	OVERBURDEN	0.5-	1
12.1	0002	586	CHL-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 12

DDH: EA71179 UTM-N: 904,340.0 UTM-E: 592,353.0 UTM-ELEV: 1,265.0 TOTAL DEPTH: 12.0 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHC CALC: 1 SS CALC: 0

DDH	SEGMENT NOS	CCND INDICATOR
EA71179	1	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: EA 71179  
RH 71-179

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT NE END OF SMALL ROAD

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

1979 HIW ORTHOPHOTO

UTM Terr. Plane  
Co-ords.: 6904340 N

592350 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1265

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 40 feet

Purpose: \_\_\_\_\_

Logged by: J. GONDI Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Code	From				To				Recov.	No.				Unit	Description
	1	10	14	16	20	22	24	26	28	30	34	35			
L		10		13	0									Overburden	
L		13		14	0						15	B161	Chlorite-sericite phyllite light grey in colour Low response to HCl Nonmagnetic & non-graphitic		

EA 71 180

DRILL HOLE : EA71180  
NORTHING : 904,225.0  
EASTING : 592,260.0  
ELEVATION : 1,268.0  
TOTAL DEPTH : 24.3  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 14

DDH: EA71130 UTM-N: 904,225.0 UTM-E: 592,260.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 24.3 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

16FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHC20)

PAGE: 15

DDH: EA71180 UTM-N: 904,225.0 UTM-E: 592,260.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 24.3 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
15.2	OC01	*	NO RECORD IN LOG	0.5-	1
24.3	OC02	586	CHL-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHQ20)

PAGE: 16

DDH: EA71180 UTM-N: 904,225.0 UTM-E: 592,260.0 UTM-ELEV: 1,268.0 TOTAL DEPTH: 24.3 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71180 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 71180

Hole Number: RH 71-180

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT ROAD INTERSECTION

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 115000 SCALE

WMM Terr. Plane  
Co-ords.: 6904225 N

1979 HIW ORTHOPHOTO

592260 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1268

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 80 feet

Purpose: \_\_\_\_\_

Logged by: J. GONDI Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

_____	_____	_____
_____	_____	_____
_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Feet

DDH E. A. 7.1.1.80  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From			To			Recov.			No.	Unit	Description
	10	14	16	20	22	24	26	28	30			
L												No record
L										5B6		Chlorite sericite phyllite low CO <sub>2</sub> Non magnetic & non graphitic

EA 71 200

DRILL HOLE : EA71200  
NORTHING : 903,915.0  
EASTING : 592,380.0  
ELEVATION : 1,229.0  
TOTAL DEPTH : 131.1  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 9  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

17FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 6

DDH: EA71200 UTM-N: 903,915.0 UTM-E: 592,380.0 UTM-ELEV: 1,229.0 TOTAL DEPTH: 131.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: EA71200 UTM-N: 903,915.0 UTM-E: 592,380.0 UTM-ELEV: 1,229.0 TOTAL DEPTH: 131.1 SECTION:  
 RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
12.2	0001	#	OVERBURDEN	0.5-	1
15.2	0002	580	CC-CHL-SER PHYLLITE	0.5-	1
18.3	0003	*	NO SAMPLE	0.5-	1
27.4	0004	580	CC-CHL-SER PHYLLITE	0.5-	1
30.5	0005	*	NO SAMPLE	0.5-	1
61.0	0006	580	CC-CHL-SER PHYLLITE	0.5-	1
67.1	0007	*	NO SAMPLE	0.5-	1
94.5	0008	580	CC-CHL-SER PHYLLITE	0.5-	1
131.1	0009	586	CHL-SER PHYLLITE	0.5-	1

17FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 8

DDH: EA71200 UTM-N: 903,915.0 UTM-E: 592,380.0 UTM-ELEV: 1,229.0 TOTAL DEPTH: 131.1 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS CCND INDICATOR

EA71200 1 1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 08:58:13

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

RH 71-200

Hole Number: EA 71 200

Fabric Orientation Diagram:

Project: \_\_\_\_\_

Drill hole located in clearing on  
orthophoto

Location: \_\_\_\_\_

Not field checked

Claim: \_\_\_\_\_

Measured on 1:5000 scale

1979 HIW Orthophoto

~~Terr. Plane~~

WPM Co-ords.: 6903915. N

592380. E

Grid

Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1229.0 m

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 131.1 m

Purpose: \_\_\_\_\_

Logged by: J. GONDRE

Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_

Core:	Size	From	To	Collar Cased and Capped:
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Lithologic Log

Code	From				To				Recov.	No.	Unit	Description	
	1	10	14	16	20	22	24	26					28
L			10	0			12	2			1	#	Overburden
L			12	2			15	2			2	5B0	Calcareous chlorite-sericite phyllite
L			15	2			18	3			3	*	No sample
L			18	3			27	4			4	5B0	Calcareous chlorite-sericite phyllite
L			27	4			30	5			5	*	No sample
L			30	5			61	0			6	5B0	Calcareous chlorite-sericite phyllite
L			61	0			67	1			7	*	No sample
L			67	1			94	5			8	5B0	Calcareous chlorite-sericite phyllite
L			94	5			131	1			9	5B6	Chlorite-sericite phyllite
													EOH

EA71 201

DRILL HOLE : EA71201  
NORTHING : 904,283.0  
EASTING : 592,308.0  
ELEVATION : 1,270.0  
TOTAL DEPTH : 123.4  
SECTION :  
R.F.E. :  
RFE DIRECTION: 0  
PLUNGE ANGLE : 0  
PLUNGE DIRECT: 0  
DHD CALC: 1  
SS CALC: 0

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 6  
NOS DOWN-H-STRUCTURE: 0  
NOS DOWN-H-FAULTS: 0  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

16FEB84 GRUM

DOWN-HOLE SURVEYS (DHQ20)

PAGE: 18

DDH: EA71201 UTM-N: 904,283.0 UTM-E: 592,308.0 UTM-ELEV: 1,270.0 TOTAL DEPTH: 123.4 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: EA71201 UTM-N: 904,283.0 UTM-E: 592,308.0 UTM-ELEV: 1,270.0 TOTAL DEPTH: 123.4 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
9.1	OC01	586	CHL-SER PHYLLITE	0.5-	1
36.5	OC02	580	CC-CHL-SER PHYLLITE	0.5-	1
45.7	OC03	586	CHL-SER PHYLLITE	0.5-	1
57.9	OC04	580	CC-CHL-SER PHYLLITE	0.5-	1
94.4	OC05	586	CHL-SER PHYLLITE	0.5-	1
123.4	OC06	580	CC-CHL-SER PHYLLITE	0.5-	1

16FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 20

DDH: EA71201 UTM-N: 904,283.0 UTM-E: 592,308.0 UTM-ELEV: 1,270.0 TOTAL DEPTH: 123.4 SECTION:  
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

EA71201 1 1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 15:04:50

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: EA 71201  
RH 71-201

Fabric Orientation Diagram:

Project: \_\_\_\_\_

LOCATED AT ROAD INTERSECTION

Location: \_\_\_\_\_

NOT FIELD CHECKED

Claim: \_\_\_\_\_

MEASURED FROM 1:5000 SCALE

~~UTM~~ Terr. Plane  
Co-ords.: 6904265 N

1979 HIW ORTHOPHOTO

592295 E

Grid  
Co-ords.: \_\_\_\_\_

All symmetry determinations looking

\_\_\_\_\_ with \_\_\_\_\_ dipping

Elevation: 1270

\_\_\_\_\_ with dip azimuth \_\_\_\_\_.

Total Depth: 405 feet

Purpose: \_\_\_\_\_

Logged by: J. GONDI Date(s) Logged: \_\_\_\_\_

Drilling Contractor:	_____	Core:	Size	From	To	Collar Cased and Capped: _____
				_____	_____	
				_____	_____	
				_____	_____	

Started: \_\_\_\_\_ Completed: \_\_\_\_\_

Feet

DDH EA71201  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Recov.				No.	Unit	Description
	10	14	16	20	22	24	26	28	30	34	35				
L		10		13	10									51B16	Chlorite sericite phyllite light grey to greyish NH <sub>4</sub> CO <sub>3</sub> Nonmagnetic & nongraphitic
L		13	10	12	10									51B10	Calcareous chlorite sericite phyllite nonmagnetic & nongraphitic
L		12	10	15	10									51B16	Chlorite-sericite phyllite NH <sub>4</sub> CO <sub>3</sub>
L		15	10	19	10									51B10	Calcareous chlorite-sericite phyllite
L		19	10	31	10									51B16	Chlorite-sericite phyllite Free qtz is 10-20% of sample
L		31	10	41	05									51B10	Chlorite sericite phyllite Slightly calcareous to noncalcareous Free qtz ~ 7%

EA76X11

20NOV84 GRUM

LIST ALL DRILL HOLE DATA (DHQ20)

PAGE: 1

DRILL HOLE : EA76X11  
NORTHING : 904,375.0  
EASTING : 591,980.0  
ELEVATION : 1,278.0  
TOTAL DEPTH : 732.7  
SECTION : W 68  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

DETAIL RECORD COUNTS:

NOS GRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 11  
NOS DOWN-H-LITHOLOGY: 77  
NOS DOWN-H-STRUCTURE: 132  
NOS DOWN-H-FAULTS: 77  
NOS DOWN-H-SPLINES: 11  
NOS COMPOSITES: 0

ZONOV84 GRUM

DOWN-HOLE SURVEYS (DH02C)

PAGE: 2

QCH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
22.300	178.800	99.000
113.700	171.800	53.000
189.900	165.000	55.000
266.100	160.800	50.000
342.300	161.000	55.000
418.500	164.000	60.000
498.700	157.500	38.000
574.900	157.300	40.000
651.100	158.800	41.000
727.300	158.200	43.000

20NOV84 GRUM

## DOWN-HOLE LITHOLOGY (DHC20)

PAGE: 3

CDH: EA76X11 UTM-N: 9G4,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMO CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
15.2	OC01	#		0.5-	1
46.0	OC02	580		0.5-	1
47.7	OC03	5880	-> (5F3) 50:50	0.5-	1
61.7	OC04	5C03	.	0.5-	1
121.6	OC05	58C		0.5-	1
121.9	OC06	50C	.	0.5-	1
123.9	OC07	58C	.	0.5-	1
124.4	OC08	50C	.	0.5-	1
207.7	OC09	58C	83 (500) MINOR	0.5-	1
216.0	OC10	58C	(500) 90:10	0.5-	1
224.8	OC11	580		0.5-	1
226.5	OC12	58C	(500) 50:50	0.5-	1
240.8	OC13	580	CALC-SILICATY 2 MINCR	0.5-	1
241.7	OC14	586S		0.5-	1
244.1	OC15	5862	BXA	0.5-	1
244.4	OC16	5C4*	.	0.5-	1
247.0	OC17	586	82 MINOR	0.5-	1
251.2	OC18	580	8S	0.5-	1
255.4	OC19	586S	82 MINOR	0.5-	1
261.5	OC20	580S	.	0.5-	1
272.2	OC21	58C	CALC-SILICATY 82 MINOR	0.5-	1
272.8	OC22	5F3	.	0.5-	1
274.5	OC23	5C3	87 (5C3 87) 50:50	0.5-	1
275.8	OC24	5838	BIO (5F3 -> 5880) 75:25	0.5-	1
277.7	OC25	58C	CALC-SILICATY	0.5-	1
283.8	OC26	500	-> (5C3)	0.5-	1
285.0	OC27	#	METABASITE? NO CORE	0.5-	1
296.9	OC28	5C3S	87 ->(500)(5880) 70:28:02	0.5-	1
297.8	OC29	5880	.	0.5-	1
306.9	OC30	58C	CALC-SIL BIO MIN? 2 MIN	0.5-	1
317.1	OC31	5832	(5E0) 95:05	0.5-	1
330.4	OC32	5A16	9 83 [5A319]	0.5-	1
332.8	OC33	5A3	[5862 83]	0.5-	1
347.8	OC34	5A6	[5862]	0.5-	1
352.7	OC35	5A69	MINOR 83 8S	0.5-	1
354.3	OC36	5C4S	.	0.5-	1
355.1	OC37	5862	S 80	0.5-	1
358.1	OC38	#	5A ? NO CORE	0.5-	1
370.2	OC39	5A61	9 83 V. MINOR	0.5-	1
376.4	OC40	5C3	87 8S MINOR ->(5C37 84)	0.5-	1
416.7	OC41	5A16	9 -> (5A169 MINOR)	0.5-	1
443.9	OC42	5A69	MINOR 83 V. MINOR	0.5-	1
463.0	OC43	5A61	9 MINOR	0.5-	1
464.8	OC44	5A	GOUGE	0.5-	1
475.8	OC45	5A6		0.5-	1
514.8	OC46	5A16	83 V. MINOR	0.5-	1
527.0	OC47	5A16	83 MINOR	0.5-	1
555.3	OC48	5A16	9 MINOR	0.5-	1
569.2	OC49	5A16	83 V. MINOR	0.5-	1
569.7	OC50	50C	(5A16) 50:50	0.5-	1
592.5	OC51	5A61		0.5-	1

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## DOWN-HOLE LITHOLOGY (OH020)

PAGE: 4

ODH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
596.6	OC52	5A6	(5A3 -> 5E2) 70:30	0.5-	1
605.0	OC53	5B6	80 V. MINOR	0.5-	1
618.1	OC54	5A6	(5A3) 80:20 [5AC]	0.5-	1
627.3	OC55	5A61		0.5-	1
635.4	OC56	5A16	(5A6) 80:20	0.5-	1
636.1	OC57	5C84	83 MINOR	0.5-	1
640.2	OC58	5A16		0.5-	1
640.5	OC59	5A46	[4L1]	0.5-	1
641.9	OC60	5A16		0.5-	1
644.2	OC61	5C87	83	0.5-	1
648.0	OC62	5B20	BIO CALC-SILICATY	0.5-	1
649.8	OC63	5B40	88 BIO (5C37)(FAULT BXA)	0.5-	1
659.6	OC64	5B0	CALC-SIL. BIC 2 MINOR	0.5-	1
664.2	OC65	5B6	BIO CALC-SIL. 80 MINOR	0.5-	1
668.0	OC66	5B0	CALC-SIL. BIC 2 MINOR	0.5-	1
673.3	OC67	5B0	CALC-SIL. BIC 2 MINOR	0.5-	1
679.6	OC68	5B6\$	2 80 8BIO MINOR	0.5-	1
684.6	OC69	5B20	83 ->(5B6\$ 8082)(5A61)70:25:05	0.5-	1
685.6	OC70	5A61		0.5-	1
689.5	OC71	5B20	83 ->(5B6\$ 82)(5A61) 30:60:10	0.5-	1
694.0	OC72	5A61		0.5-	1
703.2	OC73	5B0	82 MINOR 8C.S. 8BIO (5B6\$ 82)	0.5-	1
725.3	OC74	5A61	83 MINOR	0.5-	1
729.7	OC75	5C8	87 (5A61 WHITE)(5A61)	0.5-	1
731.5	OC76	5C4\$	(5A61)(5B40 ?) BXA	0.5-	1
732.7	OC77	3FC	SHEARED	0.5-	1

GCH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

GCH	F DEPTH	T DEPTH	FEAT	SYMTRY	SC	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
EA76X11	0.C	20.4	CS2	S	C	0	0	0	C	60	230	0	1	1	1	1	1	1
EA76X11	0.C	27.7	CS2		G	0	0	0	G	50	230	0	1	1	1	1	1	1
EA76X11	0.C	35.9	CS2		C	0	0	0	C	65	230	0	1	1	1	1	1	1
EA76X11	0.C	42.9	CS2	S	C	0	0	0	0	75	230	0	1	1	1	1	1	1
EA76X11	0.C	63.0	CS2		0	0	0	0	0	63	230	0	1	1	1	1	1	1
EA76X11	0.C	70.1	CS2		0	0	0	0	C	60	230	0	1	1	1	1	1	1
EA76X11	0.C	73.4	CS2	S	0	0	0	0	0	67	230	0	1	1	1	1	1	1
EA76X11	0.C	80.1	CS2	S	0	0	0	0	C	66	230	0	1	1	1	1	1	1
EA76X11	0.C	89.0	CS2		0	0	0	0	C	55	230	0	1	1	1	1	1	1
EA76X11	0.C	90.3	PS2		0	0	0	0	G	75	230	0	1	1	1	1	1	1
EA76X11	0.C	96.0	CS2		0	0	0	0	C	60	230	0	1	1	1	1	1	1
EA76X11	0.C	100.8	PS2		0	0	0	0	0	66	230	0	1	1	1	1	1	1
EA76X11	0.C	109.1	CS2		G	0	0	0	0	65	230	0	1	1	1	1	1	1
EA76X11	0.C	114.9	CS2	S	C	0	0	0	0	60	230	0	1	1	1	1	1	1
EA76X11	0.C	119.1	CS2	S	0	0	0	0	C	60	230	0	1	1	1	1	1	1
EA76X11	0.C	124.9	CS2	S	C	0	0	0	C	63	230	0	1	1	1	1	1	1
EA76X11	0.C	131.9	CS2		0	0	0	0	C	60	230	0	1	1	1	1	1	1
EA76X11	0.C	141.1	CS2		0	0	0	0	C	75	230	0	1	1	1	1	1	1
EA76X11	0.C	147.8	PS2		0	0	0	0	0	70	230	0	1	1	1	1	1	1
EA76X11	0.C	151.1	PS2		0	0	0	0	C	72	230	0	1	1	1	1	1	1
EA76X11	0.C	159.7	CS2		G	0	0	0	C	72	230	0	1	1	1	1	1	1
EA76X11	0.C	166.1	CS2	S	C	0	0	0	C	80	230	0	1	1	1	1	1	1
EA76X11	0.C	177.3	PS2		0	0	0	0	0	72	230	0	1	1	1	1	1	1
EA76X11	0.C	181.0	PS2		0	0	0	0	C	70	230	0	1	1	1	1	1	1
EA76X11	0.C	185.9	PS2		0	0	0	0	0	72	230	0	1	1	1	1	1	1
EA76X11	0.C	188.6	CS2		0	0	0	0	0	68	230	0	1	1	1	1	1	1
EA76X11	0.C	195.8	PS2		0	0	0	0	0	68	230	0	1	1	1	1	1	1
EA76X11	0.C	201.7	PS2		0	0	0	0	0	80	230	0	1	1	1	1	1	1
EA76X11	0.C	205.7	PS2		0	0	0	0	C	70	230	0	1	1	1	1	1	1
EA76X11	0.C	211.8	PS2		0	0	0	0	0	65	230	0	1	1	1	1	1	1
EA76X11	0.C	215.7	CS2		0	0	0	0	C	82	230	0	1	1	1	1	1	1
EA76X11	0.C	220.3	PS2		0	0	0	0	C	68	230	0	1	1	1	1	1	1
EA76X11	0.C	222.8	CS2	S	0	0	0	0	0	65	230	0	1	1	1	1	1	1
EA76X11	0.C	230.4	CS2		0	0	0	0	0	63	230	0	1	1	1	1	1	1
EA76X11	0.C	235.0	CS2	S	0	0	0	0	C	70	230	0	1	1	1	1	1	1
EA76X11	0.C	240.1	CS2	S	0	0	0	0	0	70	230	0	1	1	1	1	1	1
EA76X11	0.C	246.2	CS2		0	0	0	0	C	52	230	0	1	1	1	1	1	1
EA76X11	0.C	254.2	CS2		0	0	0	0	0	62	230	0	1	1	1	1	1	1
EA76X11	0.C	258.4	PS2		C	0	0	0	0	65	230	0	1	1	1	1	1	1
EA76X11	0.C	263.3	PS2		0	0	0	0	0	60	230	0	1	1	1	1	1	1
EA76X11	0.C	269.4	PS2		0	0	0	0	0	69	230	0	1	1	1	1	1	1
EA76X11	0.C	275.5	CS2	S	0	0	0	0	0	85	230	0	1	1	1	1	1	1
EA76X11	0.C	275.5	CS2	E	0	0	0	0	C	80	230	0	1	1	1	1	1	1
EA76X11	0.C	286.8	PS2		0	0	0	0	0	85	230	0	1	1	1	1	1	1
EA76X11	0.C	291.3	CS2		C	0	0	0	0	90	230	0	1	1	1	1	1	1
EA76X11	0.C	297.7	PS2		0	0	0	0	0	90	230	0	1	1	1	1	1	1
EA76X11	0.C	300.5	PS2		0	0	0	0	0	80	230	0	1	1	1	1	1	1
EA76X11	0.C	302.6	CS2		0	0	0	0	C	73	230	0	1	1	1	1	1	1
EA76X11	0.C	308.4	PS2		0	0	0	0	0	85	230	0	1	1	1	1	1	1
EA76X11	0.C	313.3	PS2		0	0	0	0	0	88	230	0	1	1	1	1	1	1
EA76X11	0.C	317.7	CS2		0	0	0	0	C	80	230	0	1	1	1	1	1	1

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DOWN-HOLE STRUCTURE (DHC20)

PAGE: 6

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.C TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DCH	F DEPTH	T DEPTH	FEAT	SYMTRY	SO ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE	COE	DMDC	SOC	PROCESS		
EA76X11	0.C	322.0	PS2		C	0	0	C	80	230	G	1	1	1
EA76X11	0.C	327.9	CS2		0	0	0	C	79	230	C	1	1	1
EA76X11	0.C	330.7	PS2		0	0	0	G	78	230	G	1	1	1
EA76X11	0.C	338.9	PS2		0	0	0	0	88	230	C	1	1	1
EA76X11	0.C	342.2	PS2		0	0	0	G	78	230	G	1	1	1
EA76X11	0.C	350.0	PS2		0	0	0	C	77	230	C	1	1	1
EA76X11	0.C	358.7	PS2		0	0	0	G	75	230	G	1	1	1
EA76X11	0.C	362.7	PS2		0	0	0	C	70	230	C	1	1	1
EA76X11	0.C	366.9	PS2		0	0	0	C	85	230	G	1	1	1
EA76X11	0.C	373.9	CS2	Z	0	0	0	G	70	230	G	1	1	1
EA76X11	0.C	376.7	PS2		0	0	0	0	90	230	C	1	1	1
EA76X11	0.C	385.2	PS2		0	0	0	G	88	230	C	1	1	1
EA76X11	0.C	387.4	PS2		0	0	0	G	85	230	C	1	1	1
EA76X11	0.G	393.4	PS2		0	0	0	C	75	230	C	1	1	1
EA76X11	0.D	400.5	PS2		0	0	0	G	82	230	C	1	1	1
EA76X11	0.C	404.7	PS2		0	0	0	C	80	230	C	1	1	1
EA76X11	0.C	411.7	PS2		0	0	0	C	85	230	C	1	1	1
EA76X11	0.C	418.1	PS2		0	0	0	C	85	230	C	1	1	1
EA76X11	0.C	423.6	PS2		0	0	0	C	85	230	C	1	1	1
EA76X11	0.G	425.6	PS2		0	0	0	C	60	230	C	1	1	1
EA76X11	0.G	437.3	PS2		0	0	0	C	80	230	C	1	1	1
EA76X11	0.C	441.1	PS2		0	0	0	0	80	230	G	1	1	1
EA76X11	0.C	446.5	PS2		0	0	0	G	78	230	C	1	1	1
EA76X11	0.C	451.8	PS2	D	0	0	0	C	77	230	C	1	1	1
EA76X11	0.G	456.2	PS2		0	0	0	C	83	230	C	1	1	1
EA76X11	0.C	460.5	PS2		0	0	0	C	80	230	C	1	1	1
EA76X11	0.C	465.1	PS2		0	0	0	G	70	230	0	1	1	1
EA76X11	0.D	466.0	PS2		0	0	0	C	45	230	0	1	1	1
EA76X11	0.C	468.1	PS2		0	0	0	C	68	230	C	1	1	1
EA76X11	0.C	469.0	PS2		0	0	0	C	52	230	C	1	1	1
EA76X11	0.C	469.6	PS2		C	0	0	G	55	230	0	1	1	1
EA76X11	0.D	472.4	PS2		0	0	0	G	20	230	G	1	1	1
EA76X11	0.C	474.5	PS2		0	0	0	G	53	230	G	1	1	1
EA76X11	0.C	478.8	PS2		0	0	0	G	70	230	0	1	1	1
EA76X11	0.C	481.5	PS2		0	0	0	C	70	230	0	1	1	1
EA76X11	0.C	482.8	PS2		0	0	0	C	80	230	C	1	1	1
EA76X11	0.G	488.5	PS2		0	0	0	C	72	230	G	1	1	1
EA76X11	0.C	490.4	PS2		0	0	0	C	52	230	0	1	1	1
EA76X11	0.G	492.4	PS2		0	0	0	C	1	230	C	1	1	1
EA76X11	0.C	493.0	PS2		0	0	0	C	60	230	C	1	1	1
EA76X11	0.C	493.4	CS2		0	0	0	G	1	230	0	1	1	1
EA76X11	0.C	494.6	PS2		0	0	0	C	55	230	C	1	1	1
EA76X11	0.C	495.6	PS2		0	0	0	0	1	230	G	1	1	1
EA76X11	0.C	496.2	PS2		0	0	0	C	75	230	C	1	1	1
EA76X11	0.G	498.0	PS2		0	0	0	C	70	230	G	1	1	1
EA76X11	0.C	501.0	PS2		0	0	0	C	72	230	0	1	1	1
EA76X11	0.G	512.9	PS2		0	0	0	PS2	78	230	0	1	1	1
EA76X11	0.C	515.4	PS2		0	0	0	C	82	230	C	1	1	1
EA76X11	0.C	522.1	PS2		0	0	0	C	76	230	C	1	1	1
EA76X11	0.C	529.4	PS2		0	0	0	G	88	230	0	1	1	1
EA76X11	0.C	537.0	PS2		0	0	0	0	79	230	G	1	1	1

20NOV84 GRUM

## DOWN-HOLE STRUCTURE (DH020)

PAGE: 7

GCH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHO CALC: 1 SS CALC: 1

CCH	F DEPTH	T DEPTH	FEAT SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE COE	DMDC	SDC	PROCESS
EA76X11	0.C	544.9	PS2	0	0	0	0	1	1	1
EA76X11	0.C	553.5	PS2	0	0	0	0	1	1	1
EA76X11	0.C	561.1	PS2	0	0	0	0	1	1	1
EA76X11	0.C	568.1	PS2	0	0	0	0	1	1	1
EA76X11	0.C	575.4	PS2	0	0	0	0	1	1	1
EA76X11	0.C	582.6	PS2	0	0	0	0	1	1	1
EA76X11	0.C	589.9	PS2	0	0	0	0	1	1	1
EA76X11	0.C	597.8	PS2	0	0	0	0	1	1	1
EA76X11	0.C	604.7	PS2	0	0	0	0	1	1	1
EA76X11	0.C	611.7	PS2	0	0	0	0	1	1	1
EA76X11	0.C	619.0	PS2	0	0	0	0	1	1	1
EA76X11	0.C	626.9	PS2	0	0	0	0	1	1	1
EA76X11	0.C	633.9	PS2	0	0	0	0	1	1	1
EA76X11	0.C	636.7	PS2	0	0	0	0	1	1	1
EA76X11	0.C	642.5	PS2	0	0	0	0	1	1	1
EA76X11	0.C	649.8	PS2	0	0	0	0	1	1	1
EA76X11	0.C	658.3	PS2	0	0	0	0	1	1	1
EA76X11	0.C	661.4	PS2	0	0	0	0	1	1	1
EA76X11	0.C	664.1	CS2	0	0	0	0	1	1	1
EA76X11	0.C	671.7	PS2	0	0	0	0	1	1	1
EA76X11	0.C	679.0	PS2	0	0	0	0	1	1	1
EA76X11	0.C	687.3	PS2	0	0	0	0	1	1	1
EA76X11	0.C	698.2	PS2	0	0	0	0	1	1	1
EA76X11	0.C	702.5	CS2	0	0	0	0	1	1	1
EA76X11	0.C	705.0	PS2	0	0	0	0	1	1	1
EA76X11	0.C	713.8	PS2	0	0	0	0	1	1	1
EA76X11	0.C	720.5	PS2	0	0	0	0	1	1	1
EA76X11	0.C	723.5	PS2	0	0	0	0	1	1	1
EA76X11	0.C	726.6	PS2	0	0	0	0	1	1	1
EA76X11	0.0	732.7	PS2	0	0	0	0	1	1	1

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 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
EA76X11	15.2	37.2	T2B				0	0	0	1
EA76X11	17.2	38.1	3BT				0	0	0	1
EA76X11	38.1	43.0	T2B				0	0	0	1
EA76X11	43.0	46.0	2BR	2			0	0	0	1
EA76X11	46.0	47.7	3B	5			0	0	0	1
EA76X11	59.1	60.0	3B				0	0	0	1
EA76X11	60.0	61.5	2B				0	0	0	1
EA76X11	61.5	61.7	R				0	0	0	1
EA76X11	0.0	106.5	NNN				0	0	0	1
EA76X11	111.8	112.7	NNN				0	0	0	1
EA76X11	61.7	121.6	2B				0	0	0	1
EA76X11	124.3	141.1	1B				0	0	0	1
EA76X11	141.1	142.0	T				0	0	0	1
EA76X11	142.0	152.7	2B				0	0	0	1
EA76X11	152.7	158.1	3BT	7			0	0	0	1
EA76X11	158.1	215.9	1B				0	0	0	1
EA76X11	240.7	241.7	2B				0	0	0	1
EA76X11	241.7	244.1	3BS				0	0	0	1
EA76X11	241.7	244.1	3F				0	0	0	1
EA76X11	244.1	244.4	3B				0	0	0	1
EA76X11	244.4	247.0	1B				0	0	0	1
EA76X11	247.0	251.1	2B				0	0	0	1
EA76X11	251.1	255.4	3BR				0	0	0	1
EA76X11	255.4	272.1	1XQ				0	0	0	1
EA76X11	272.1	272.7	2B				0	0	0	1
EA76X11	275.8	277.6	P	8			0	0	0	1
EA76X11	283.7	284.9	NNN				0	0	0	1
EA76X11	297.7	306.9	2B				0	0	0	1
EA76X11	324.9	327.9	NNN				0	0	0	1
EA76X11	317.0	344.8	1B				0	0	0	1
EA76X11	0.0	344.8	F				0	20	0	1
EA76X11	344.8	347.7	3BR	8			0	0	0	1
EA76X11	347.7	352.6	3BR				0	0	0	1
EA76X11	352.6	354.3	3B				0	0	0	1
EA76X11	355.0	358.1	NNN				0	0	0	1
EA76X11	358.1	370.1	1BJ				0	15	0	1
EA76X11	376.4	414.0	1B				0	0	0	1
EA76X11	414.0	416.6	GR	1			0	0	0	1
EA76X11	0.0	416.6	F				0	0	0	1
EA76X11	428.2	429.1	RGX				0	0	0	1
EA76X11	429.1	435.8	3BT				0	0	0	1
EA76X11	435.8	441.9	1B				0	0	0	1
EA76X11	441.9	443.9	3B				0	0	0	1
EA76X11	443.9	445.9	3BR				0	0	0	1
EA76X11	445.9	462.9	1B				0	0	0	1
EA76X11	0.0	464.8	1X				0	0	0	1
EA76X11	0.0	470.9	1F				0	0	0	1
EA76X11	0.0	498.9	1GR				0	0	0	1
EA76X11	541.9	543.1	RG				0	0	0	1
EA76X11	543.1	545.8	2B				0	0	0	1
EA76X11	545.8	546.3	R				0	0	0	1

26NOV84 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 9

DCH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHO
EA76X11	546.3	555.3	1B			0	0	0	1
EA76X11	605.0	618.1	1B			0	0	0	1
EA76X11	623.6	624.8	R1G			0	0	0	1
EA76X11	627.2	627.8	1RT			0	0	0	1
EA76X11	627.6	634.5	1B			0	0	0	1
EA76X11	634.5	635.3	2B			0	0	0	1
EA76X11	0.0	641.9	1F			0	0	0	1
EA76X11	0.0	647.0	1F			0	0	0	1
EA76X11	649.2	645.5	3XF			0	35	0	1
EA76X11	658.3	655.6	2B			0	0	0	1
EA76X11	664.1	665.1	1XQ			0	0	0	1
EA76X11	673.3	677.4	2B			0	0	0	1
EA76X11	677.4	678.0	3BR			0	0	0	1
EA76X11	679.5	685.6	3BR			0	0	0	1
EA76X11	685.6	689.4	3B			0	0	0	1
EA76X11	689.4	694.0	3RB	3		0	0	0	1
EA76X11	694.0	703.1	3B			0	0	0	1
EA76X11	703.1	705.2	3B			0	0	0	1
EA76X11	709.2	712.6	3BR			0	0	0	1
EA76X11	712.6	714.4	2B			0	0	0	1
EA76X11	714.4	715.3	38G			0	0	0	1
EA76X11	715.3	725.2	1B			0	0	0	1
EA76X11	725.2	725.6	3B			0	0	0	1
EA76X11	725.2	729.6	2FX			0	0	0	1
EA76X11	729.6	731.5	3FX			0	0	0	1
EA76X11	731.5	732.7	30F			0	0	0	1

20NOV84 GRUM

DOWN-HOLE SPLINES (CH020)

PAGE: 10

CCH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

CCH SEGMENT NOS COND INDICATOR

EA76X11	1	2
EA76X11	2	2
EA76X11	3	2
EA76X11	4	2
EA76X11	5	2
EA76X11	6	2
EA76X11	7	2
EA76X11	8	2
EA76X11	9	2
EA76X11	10	2
EA76X11	11	1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 10:52:35

DIAMOND DRILL CORE LOG

Date: \_\_\_\_\_

Hole Number: EA 76 X 11

Reference Fabric Orientation Diagram:

Project: VANGORDA PLATEAU REMAP

Location: VANGORDA PLATEAU

Claim: SUN 23

Terr. Plane Co-ords.: 6904375.0 N

591980.0 E

} measured from  
1979 1:50000  
scale on the photo

Grid Co-ords: L68E / 195

-90°

All symmetry determinations looking

Elevation: 1278.0 m.

NW with 52 dipping

Total Depth: 732.7m

SW with dip azimuth 230.

Purpose: To test down dip GRUM stratigraphy

Reason hole Terminated: \_\_\_\_\_

Logged by: GAN/LCP

Date(s) Logged: Aug 16, 1984

Drilling Contractor: ARCTIC

Size	CORE From	To	Collar Cased and Capped: _____
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	

Hole Cemented: \_\_\_\_\_

Steel down hole: \_\_\_\_\_

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



Fect

DDH F.A.7.6.X.1.1  
2 8

Cyprus Anvil Mining Corp.  
Lithologic Log

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Date: Aug 16/84 Logged By: GAS/LCP

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24	26 28	30 34 35		
L	100	1510		11	1#	Overburden No recovery
L	1510	11511		12	1518101	Med gray w/ light greenish tinge, med. well lithonod, med soft, calcareous phyllitic. S2 folia dk med steel gray Normal classis 5B0 Contains pb porphs - subhedral to irregular TOI - 122 med brkn to locally paken chippy 122 - 125 v. brkn to paken chippy, minor IND incip gangc 125 - 141 med. brkn to locally paken chippy 141 - EOI med brkn to rubble, IND gangc at EOE. Possibly related to faults at 35-40°/000 Recovery is 2'
L	11511	11516.5		13	1518101C	→ (5F3) 50:50 Med soft, light to med green to greenish green, med. lithonod, calcareous, chlorite-musc phyllitic. Top 1/2 like 5BB. last 1/2 like 5F3 Alterations adjacent to metabasite Core - v. brkn, minor IND gangc Recovery 3'
L	11516.5	12102.5		14	151C10.3	Homog, med grained, weakly foliated metabasite. Good redict igneous texture. Strongly calc near margins w/ local less calc. zones internally. Calc in white areas often pleg. Contains minor disc pinkish beige porphs that don't fizz in 10% - unknown mineral - probably dolomite. fizzes in 20% - cleans up - in x section rectangular to rhomb shaped. Normal metabasite. Intact TOI-194 194-197 v. brkn to incip gangc 197-202 med. brkn

No signif faults  
recov OK.

202-EOI Ind. rubble - possible small fault as no alteration zone on downhole side metabasite. 45-50° Core Axis

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28 30	34 35	
L	121025	131990		15	15B01	<p>Mod soft (locally med. hrd), generally well lithomed w/ local surface ppearsives            S2, med. grey w/ greenish tinge, calc phyllite. Greenish tinge esp            apparent on wet cut surface. Thinly laminated in light greenish white, light            greenish grey &amp; med. grey colors reflecting calcite-gtz (coarse) to fine            soft phyllitic bands. Minimal green mineral in coarse bands - dense            fine green mineral (chlorite?) in med. fine bands. Only 15% coarse            bands, 30% phyllitic bands, remainder are variably calc            intermediate composition bands. Phyllitic bands are noncalc - greenish            grey colour where they form micro-lithons. Also thin S1 parallel &amp;            S2 cutting coarse calcite-gtz veins - different by being coarse,            irregular thickness, Resemble calcite-gtz bands in 5D. P<sub>0</sub> &gt; P<sub>g</sub> (3:1)            porphs - subhedral elongate in S2. Interval 352'-385' is            richer in light carbonate-bearing bands, locally v. strongly calc,            missing core 356-356, 367-370 for coradant samples            Mod brkn, no significant faults. Recovery generally OK. 5D            band 1" at 274', 2" at 313', 1" at 398'. Similar to next unit.</p>
L	131990	141010		16	15D01	<p>Mod. soft, P<sub>S2</sub> fld, light olive to yellowish green to greenish beige,            chlorite-musc phyllite. Finely granular texture w/ amorph carbonate possibly            after amygdalites local chloritic spalling. Centre in coarse calc-gtz vein w/            dolomite. S2 folia yellowish green to med. greenish beige. Intact Calc</p>
L	141010	141065		17	15B101	<p>Med grey, well lithomed, calc phyllite as above. Intact</p>

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28	30 34 35	
L	1410165	1410180		18	15D101	As above Intact Finer grained at upper contact margin
L	1410180	161215		19	15B101	±3 (5D) MINOR Med grey, well lithified to med lithified, calc phyllite. local sections more calc. than normal. Consistent samples 485.5-488.0, 535.5-540.5, 546-551, 561-564. Po porphs. Similar to above 5B0 units. Some mixed py-pa porphs - v. minor. No pure py porphs. Not many porphs below 550'. 701-463 mod. brkn to intact 463-466 paken chippy 466-501 mod. brkn 501-519 str. brkn to paken chippy, local rubble, FID gauge 75% recov. no sign. faults 519-501 mod. brkn to intact No signif. faults in unit. Minor 5D interbedded 1" at 493 3-1" or less at 637', 2 bands 1" 666'. Could be tuffs, v. thin, sharply bounded parallel S2. No alt beside them, no colour gradations within or between 5D and 5B.
L	1618115	1710185		110	15B101	(5D) 90:10 Med. grey, calc, med lithified to PSE fine phyllite interbedded with med yellowish olive green, calc, chlorite-musc. phyllite. 5D has calc in matrix & calc in 5D calc-grt bands. Locally no calc in 5D matrix. 5D as thin bands parallel S2 - from 1/2" to 6" thick. Sharp S2 parallel contacts, minor alt along footwall of highest band - in general little if any alt adjacent to them. Mod. brkn to intact. No signif. faults. One po porph noted.

DDH EA76X11  
2 8Cyprus Anvil Mining Corp.  
Lithologic LogPage 6 of       Date: Aug 16/84 Logged By: GAJ/ICP

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28 30	34 35	
L	710185	71375		111	5B101	Med grey, mod liltomed calc phyllite. Greenish grey on wet cut surface. Normal SDO on up DDH. Coarser white bands have no signif. green mineral in them. One py porph noted. Intact
L	71375	71430		112	5B101	(SDO) 50:50 SD has light tan/beige calcite porphs - 2mm across. - Otherwise usual yellowish green. Still no clearest evidence of origin. & minor if any at or margins. About 10% irregular, crudely SZ foliation pts veins. Intact
L	71430	719100		113	5B101	calc-siliceous 2 Minor Med. grey, mod liltomed (to greenish grey), calc phyllite. Dk med shaly grey SZ surfaces charact by development of med green to yellowish green mineral in coarser calc bands. Uplate bands were white. Now obviously greenish. Part of color change in bands due to tan-weathering calcite which cleans to white w/ 20% HCl. Green mineral looks micaceous. Pa porphs. Intact. Last 1' rich in tan-weathering calc w/ possibly some dolomite & few dk grey in last part of unit
L	719100	719130		114	5B16f	Noncalc, med. to dk med grey, thinly laminated to thinly banded in shades of light grey & dk med grey, P52 flint (locally liltomed), mod soft to med hrd phyllite. Contains tan-weathering mineral fibres v. weakly in 20% & cleans to white - possibly ferrous dolomite or ankerite.

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

Gradational upper & lower contacts, lower contact intensity of part D2 deformation. Mod. brkn, no signif. faults. V. slight crackle breccia

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28 30	34 35	
L	179130	180110		115	15B1612	BXA Med. to dk med grey, noncalc. phyllite. Similar to bounding lithologies but intensely sheared. Sheared subparallel S2 $\neq$ along plane at 45° core axis. Phyllites beneath zone have steeper S2 (35-40° core axis) Implies fault steeper than S2. Core str. broken, locally rubble.
L	1810110	181020		116	15C41*	light greenish beige, slightly dolomitic musc phyllite. Specks of fuchsite. Weathers tan. Strongly broken.
L	181020	181105		117	15B16	$\pm 2$ minor Dk med. grey, noncalc, gen. PSZ filled to poorly lithified, med soft to med. hrd phyllite. Mod. broken to intact.
L	181105	181240		118	15B10	$\pm$ $\neq$ Mod. soft to med. hrd, generally PSZ filled, weakly calc phyllite. May contain both calc and another tan-weathering carbonate. Calc. sections do weather tan. Unit med. broken, recovery OK.
L	181240	181380		119	15B161	$\pm 2$ Minor Med to dk med grey, generally PSZ filled, noncalc, mostly dolomitic - tan weathering carbonate. Weathers in 20% to fleshy grey. Looks like dolomite flooding seen at GRUM. Med. to strongly broken, local rubble, recovery OK. Some subsidiary faults to larger fault logged just up the DDH.

First signif  
fault in  
DDH

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
L	18930	0	18580	0					120	15B10	<p>Mod grey, mod soft to mod. hrd, w/ local dk med grey, calc phyllite. Tan-weathering carbonate present in both calc &amp; non-calc bearing bands. Po porphs, Black chert nodules. Poorly to med. lithomd. No obvious green mineral in lighter bands - it is there but not obvious - NO coarse bands. Cut by minor calcite crackle &amp; veinlets</p>
L	18580	0	18930	0					121	15B10	<p>calc silicaty ± 2 minor Mod grey, calc, mod. lithomd phyllite. Green mineral in coarser bands which are not well developed. Lots of green mineral in intermed bands - not obviously visible. Intact. Cut by minor calcite crackle veinlets normal SZ. - At base the last 5 units up to the fault. Minor po as irregular masses. Po diss in calc bands or minor aqts locally.</p>
L	18930	0	18950	0					122	15F3	<p>Mod hrd to mod soft, calc, PS2 fhd?, weakly banded, weakly olive green &amp; white, chlorite-musc phyllite. Gradational upper contact thru grey into overlying unit. Mod. biten</p>
L	18950	0	19100	5					123	15C3	<p>± 7 (5C ± 7) 50:50 Mod. fhd, mod to dk green, calc to dolomitic metabasite. Upper 1/2 grossly speckled w/ white dolomite porphs. Lower portion finer grained, more foliated, strongly calc. Not developing leopard rock chlorite laminations locally. Intact</p>

Code	From	To	Recov.	No.	Unit	Description
1	10	14 16	20 22 24	26 28 30	34 35	
L	191010	191015	0	1214	5B318	Bio (5F30 → 5B80) 75:25 Dominantly v. strongly calc, thinly laminated, brnsh-greenish grey to brn-green chlorite-bio-muss-calc-pta phyllite - 52 foliar brnsh beige to greenish grey brn. Upper 1 ft is irregul. banded green & white similar to 5F3 - banding not as well developed as usual. Intact. Alterations related to above metabasite. Top of this unit identical to unit above metabasite.
L	191015	191110	0	1215	5B101	calc-silicaty Strongly calc to med. calc, med grey, well lithonized phyllite. w/ well developed green mineral in lithons. Possibly also some bio. Po in bands & stringers to easily confuse w/ bio. Intact. 20% of core gone - probably sampled?
L	191110	191310	0	1216	5D101	→ (5C3) Med green, fine-grained; strongly calc to med calc, strongly fltd, locally lithonized, chlorite phyllite. Locally approaches mottled texture of 5C but mainly homog. texture of 5D - only variation is green size towards coarser 5C. Numerous D2 fold hinges - large one close to middle. Lower cut sharp against missing core
L	191310	191315	0	1217	#	Missing core - presumably metabasite - possibly whole rock sample
L	191315	191740	0	1218	5C1317	±7 → (5D0)(5B80) 70:28:02 Strongly calc, well fltd (P52 to C52), med green to yellowish green metabasite. Above 963 largely med green, finely speckled w/ tan-

## Lithologic Log

Date: Aug 16/84 Logged By: GAS/LCP

Code	From	To	Recov.	No.	Unit	Description						
1	10	14	16	20	22	24	26	28	30	34	35	
												(1mm across) dolomite porphs & white calc lenses in fine mottled chloritic matrix. S2 folia mottled med & dk green. Below 963 rock yellowish green - largely 5D - contains 1 ft or so 963-964 may be altered phyllite 5B80 however contact very obscure. Intact
L	1917140	1917170		1219	51B180	to med. light yellowish to olive green, thinly laminated, calc, med soft to mod. hrd, chlorite-musc phyllite. Probably not adjacent to overlying metabasite. May be in part some variant of 5D. Intact.						
L	1917170	11010170		1310	51B180	calc-silicaty bio minor? 2 minor. Mod. soft to mod hrd, dk med greenish grey, P2Z filled to poorly lithoned, calc phyllite. Green mineral in lithons Bio possibly developed as well. Only med brkn generally. Locally rectangular rubble - falling apart on insignif fractures cutting S2. S2 surface dk to med. dk steely grey. No signif faults. Minor vein of sphal.						
L	11010170	11014102		1311	51B132	(5E0) 95:05 Strongly calc, dk med grey, mod hrd to mod soft, thinly lithoned, phyllite. Unit rich in black fine-grained chert nodules. Contains unusual abundance of py & go porphs. 2 1/2' from top in 1 1/2" band of massive py which intrudes adjoining phyllite along post D2 fractures - ductile flow/fracture zone. Minor interbedded 5D as very thin "tuff" bands parallel S2. Slightly more carbonaceous than normal. Characterized by presence of thin med. blue-grey, finely x-lime calcite marble bands. Green mineral developed in lithons.						

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28 30	34 35	
L	1104102	1108140		1312	5A116	9 ± 3 [5A319] Hrd to mod hrd, dk grey, noncalc, carbonaceous, silic phyllite, interbedded w/ short sections of strongly calc, med grey, commonly lithon phyllite. Calc sections have some resemblance to calc bands in 5B. Commonly contain diss py - locally sphal. - and ps. Also present are pct sulphide bands resembling 4A pct-sulphide bands w/ py-ps-sphal. Ps more abundant in bot 10', py more abundant in upper portion. Top phite band, gets softer after first 10'. Total sulphides 2%. Interval 1066-1076 - missing core, sampled for 5 isotype py in / py out sample, otherwise core mod brkn to intact - no signif. fault
L	1108140	1109120		1313	5A131	[5B62 ± 3] Mod. soft to mod hrd, variably calc, dk grey phyllite. Generally PS2 fltd to poorly lithon. Calc present in lighter coloured, locally lithon-forming bands. Calc locally tan-weathering. 30% of rock is calc. Green mineral acc w/ calc bands. S2 folia are dk. grey. Unit borderline between 5A & 5B62 - not really black enough for 5A. Core intact to mod. brkn. No pct-sulphide banding
L	1109120	1114110		1314	5A161	[5B62] Dk. grey, PS2 fltd to poorly lithon, noncalc, mod. soft to mod. hrd, homog. phyllite. Similar to previous unit but no calc interbands. Contains flat lenses py & ps that appear to be often py ps - approx. lie in S2. No pct-sulphide banding TOI - 1131.5 mod. brkn to intact 1131.5 - EOI v. brkn, rubble, minor gouge related to fault at

Blue-grey weathering casts  
Powder dk grey

Powder light grey

20/100 at top of this interval. Recovery 80%. Again a bit on the light side for 5A. Dk grey S2 folia Powder is med. grey to light grey. Powder at top dk grey.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24	26 28 30	34 35		
L	111410	111570		1315	15A1619	minor ± 3 ± $\frac{1}{2}$ Dk grey, locally blk, gen noncalc phyllite. Thin interbands of calc & dolomitic phyllite. Calc & dolo tan-weathering. Bands contain diss, subradial, mm-sized py. Rest of unit dk grey to black, mod hard to mod soft, noncalc, PS2 filled carbonaceous phyllite w/ minor gts-sulphate bands. Similar to Unit # 32. Total S <sup>2</sup> 1-3% largely py w/ some po. v. brken. w/ much rubble Recovery ok
L	111570	111625		1316	15E141 $\frac{1}{2}$	Tan-weathering, noncalc, slightly dolomitic, gts-mass-dol phyllite. Minor fuchsite. local relict leopard rock texture. Cleans to pinkish flesh grey. Strongly brken
L	111625	111650		1317	15B1612	$\frac{1}{2}$ ± 0 Mod. soft to mod. hard, mod calc, dk grey, PS2 filled to weakly lithonod phyllite. S <sup>2</sup> folia dk grey to shaly grey. Unit appears similar to Unit above metabasite but negligible gts-sulphate banding. Intact
L	111650	111749		1318	#1	Missing core
L	111749	112145		1319	15A1611	9 ± 3 v. minor. Dk grey to blk, PS2 filled, hard, carbonaceous, sil. phyllite. Gen. noncalc, 6" band in centre w/ few calc seams forming lithons. Freq gts-po ± py & gts-py bands crudely similar to gts-sulph. bands in 4A. Dominantly po in bands, lesser py, rare sphal. Total S <sup>2</sup> 2-3% v.

minor epy in scuffing fractures. Rock overall homog. On clean dry surface has distinct (but subtle) blue grey caste. Core intact to locally mod. brken - due to minor steep fractures 15°/180° C.A.

"Dolo flash"  
hard Hf grad. change to light grey greenish grey mod. hard phyllite Alt. zone

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1121145	1121350		1410	51C131	$\pm 7 \pm 4$ minor $\rightarrow$ (5C $\pm 7 \pm 4$ ) Mod. hrd to mod. soft, calc, mottled white & dk green metabasite. Contains calc as patches & lenses parallel SI after fidsgrs. Dolomite as minor tan-weathering chombs. Mod. green w/ slight bluish green cast locally leopard Rock texture. Somewhat bleached & dolomitic at lower contact w/ minor fuchsite developed. Last 3' dolomitic & noncalc. Dol. first comes in as chombs - & then in entire rock. Intact 4 is for last 6 inches. Progressive alt at margins. Lower contact sharp, fine grained edge to metabasite - but no bleaching.
L	1121350	1131670		1411	51A1116	9 $\rightarrow$ (5A169 minor) Hrd to mod hrd, dk grey to black, PSZ fitted to locally finely lilted, noncalc phyllitic. Strong dolo flash at top - basically gone by 1290'. Beautiful qtz-py (locally po, minor spg) banding. Po most abundant in upper 5'. Total S $\pm$ 1-3%. For 6" looks like 4x. Weathers w/ blue grey cast. Traces of sphal. Locally has flattened black chert nodules. Qtz-sulphide banding best developed above 1290' - weak below that. In lower part py $\gg$ po. Total S $\pm$ 1-2% locally the bands approach banded texture. // TOI - 1358.5 Mod broken to intact 1358.5 - 1E0I Gänge & rubble 1 1/2' recovery Contact break out at the fault.
L	1131670	11415165		1412	51A1619	minor $\pm 3$ v. minor Mod hrd to v. locally mod soft, dk grey to blk, PSZ fitted, largely noncalc Carbonaceous phyllitic. Contains v. minor thin calc. bearing bands parallel

cont.

Code	From	To	Recov.	No.	Unit	Description
I	10 14 16	20 22 24	26 28	30 34 35		
L	1316170	1415165		1412		<p>52. Strong "dolo" flash. Minor gtz-sulfides banding. Sulfides py + po. Total S<sup>=</sup> 1-2%. Lower 1/2 of unit dominantly po, upper 1/2 po + py. Qtz-s<sup>=</sup> bands thicker in upper 1/2. Overall abundance of bands similar for entire unit. Locally beaded texture developed w/ gtz-s<sup>=</sup> bands. Minor sphal. In spite of not being super-siliceous, it has blue gray weathering. Po &amp; py also diss in unit - esp. thin flecks along S<sub>2</sub> &amp; xcutting features.</p> <p>TOI - 1405 intact / 1405-1408 rubble, gouged, some fault bva minor fault? / 1408-1430 str. brkn palev chippy, no signif faults / 1430-1450 mod brkn to intact / 1450-EOI str. brkn, minor ENE gouge, locally pale chippy recovery OK for entire unit</p>
L	1415165	1511190		1413	15A161	<p>9 minor</p> <p>Hrd to mod bed in loc 15', dk gray to black, PSZ ftd to locally lithoned, carbon, sil. phyllite. Generally noncalc, strong to moderate "dolo" flash. Locally developed gtz-s<sup>=</sup> banding (4A type) - dominantly po - local py. Po 1/2 in bands &amp; 1/2 as fine diss flecks along S<sub>2</sub> &amp; irreg. masses following or xcutting S<sub>2</sub>. Total S<sup>=</sup> 1-3%. Locally gtz-s<sup>=</sup> bands necking, pinching, banding transitional to beading. Po mobilized into xcutting fractures when cross gtz-s<sup>=</sup> bands. Minor thin SD4# bands 4" at 1478. Weathers w/ bluish gray cast.</p> <p>TOI - 1463 str. brkn local rubble / 1463-EOI mod. brkn to intact</p>
L	1511190	1512150		1414	15A	<p>gouge</p> <p>Dk gray to black rubble &amp; gouge. Locally calc. Minor fault bva. EOI suggests fault 40° E.A. Recovery OK</p>

Code	From	To	Recov.	No.	Unit	Description
	10	14 16	20 22 24	26 28 30	34 35	
L	1151250	1156110		1415	15A116	Dk grey to blk, PSZ fited, homog, noncalc, mod hrd, carbonaceous phyllite Minor SD46 interband near 1528' & 1529'. Minor thin gr-pa banding - less than previous units. Gen. intact. Step fault at 1545' / subsidiary to gauge zone up hole. Qtz ± py ± & crackle veinlets in this unit. (fair amt). weathers blue gray
L	1156110	1168190		1416	15A116	± 3 v. minor Mod. hrd to hrd, dk grey to blk, noncalc (gen.), homog, PSZ fited, carbonac, sil. phyllit. v. minor gr-pa banding 1152 - 1-4mm thick Total S = 1-2% almost entirely po (v. minor local py) Local calc bands less than 1% of unit. Minor SD6 bands 1/2" at 1639'; 1/2" at 1587', Blue-gray weathering Intact Minor IND gauge & rubble at 1637'. Reduced to BQ at 1592'
L	1168190	1172190		1417	15A116	± 3 minor Mod. hrd, dk grey to blk, PSZ fited, homog, carbon, sil. phyllite. Minor gr-S <sup>+</sup> banding Dominant S <sup>+</sup> po minor py. Bands 1152 Generally PSZ fited, locally lithous 1/2" across. Minor blk, hard chert nodules Total S = 1-2% occurring diss minor gr-se bands & diss flecks along S1 & S2, fractures, xcutting S2. Minor light grey cc-bearing bands (1-2cm thick). Intact. Only diff from last unit in cc bands
L	1172190	118220		1418	15A116	9 minor Mod. hrd, dk grey to blk, PSZ fited, homog, noncalc, sil. carbon phyllite "Dolo flash" Blue grey cut surface. Poorly developed gr-S <sup>+</sup> banding Total S = 2-3" subequal py & po. In gr-S <sup>+</sup> bands, xcutting features, & diss flecks 1152. Py as larger irregular subhedral pophps. Similar to last unit - no cc.

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

TOI-1778 Intact / 1778-1782 rubble incl gauge, minor flt, / 1782-1791 mod. brkn / 1791-1792.5 rubble / 1792.5-EOE mod. brkn to intact

Code	From	To	Recov.	No.	Unit	Description
	10	14 16	20 22 24	26 28 30	34 35	
L	11812120	1181675		149	15A1116	± 3 v. minor Mod. hrd, locally hrd, gen. noncalc, P <sub>2</sub> Z fltd, dk gray to blk phyllite. Minor qtz-5° banding. Contains - few thin calcareous bands, scattered most sub cm - largest a few cm. Total 5° 1-2% largely pr some py, occurring in sparse qtz-5° bands, largely as diss. & flecks along SZ & scuttling fractures. Minor SD luffs 1-2cm scattered thru unit. - 2 bands at 1860 Intact. "Dolo flecks" Blue-grey weathering
L	11816180	11816190		150	15D101	(5A16) grey 50:50 SD as 5° interbands 1½-3cm thick Intact
L	11816190	11914140		151	15A161	Dk grey, noncalc, P <sub>2</sub> Z fltd, homogeneous, mod hrd, carbonaceous phyllite. Minor thin qtz-po laminae/bands - mostly mm thick range (few po rich 1-1.5cm) Total 5° 2%. Fairly similar to all of the above dk unit. Good dolo fleck. SZ folia dk grey. Intact Blue-grey weathering
L	11914140	11915172		152	15A161	(5A3 → 5E2) 70:30 Dk grey to blk, largely P <sub>2</sub> Z fltd, gen. noncalc phyll. interbanded w/ 30% variably calc, dk coloured phyllite - ranges from mod to v. strongly calc locally approach marble. 1-2cm thick generally. Mod. hrd to mod. soft locally hard when calc tends to be mod. hard Minor SD - 5cm at 1943. Intact

Code	From	To	Recov.	No.	Unit	Description
L	191572	191850		153	15A161	± 0 v. minor Mod. soft, med grey to greenish grey, PSZ filled, generally noncalc phyllite. Thinly laminated to thinly banded in shades of grey to dk grey - reflects in part variable pt+green mineral & dk phyllitic banding. Distinctive graphs of light green actinolite (?) rosettes (chloritoid?) Has thin calcareous bands as minor component. If seen out of context would have said Mt. Mye - however because of location it is probably Vangelos - overall appearance is 3G0. Intact No pt-S <sup>2</sup> banding Trace po.
L	191850	210280		154	15A16	(5A3) 80:20 [5A0] Mod. soft to mod. hrd, mod. calcareous <sup>in bands</sup> , good "dala" flank, dk grey, mod. lithonod locally, generally PSZ filled, Calc occurs in lighter, finely laminated, lithon forming bands 1- few cm thick containing green mineral. Calcareous sections 20% unit. No pt-sulph banding. Minor po (less 1%) Mod. brkn, essentially intact, minor rubble in last 10'.
L	210280	210518		155	15A161	Dk grey to blk, v. hard, noncalc, PSZ filled, hornung, carbonaceous, sil. phyllite. Only minor pt-S <sup>2</sup> banding po > py - minor sphal. Total S <sup>2</sup> < 1% Core intact TOI = 2046 / 2046-2050 rubble, Ind gauge, minor fault? / 2050-EOI intact Blue grey weathering. Minor blk. chert nodules.
L	210518	210814	5	156	15A116	(5A6) 80:20 Thickly interbanded phyllite as last Unit with mod. soft, noncalc

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Code	From	To	Recov.	No.	Unit	Description
1	10 14 16	20 22 24 26 28 30 34 35				
						PSZ fltd, dk grey to black carbonaceous phyllite. v. weak qtz-pa banding + cut by qtz-dolomite ± sphal-pa crackle veinlets Upper 2' pale cherty to rubble. To 2082 mod. brkn to locally intact 2082-501 mod. brkn, local JND gauge
L	210814	210870		157	51C14	± 3 minor Mod. hrd, greenish to orangeish beige, dolomitic, altered metabasite. Slight remnant green color. SZ folia light greenish beige. Mottled texture due in part to dolomite porphy. Intact
L	210870	211005		158	51A116	Dk grey, mod hrd, noncalc, PSZ fltd, siliceous phyllite SZ folia dk grey Minor thin qtz-S <sup>2</sup> banding py-sphal-pa Intact
L	211005	211011	5	159	51A116	[421] Mod hrd to mod soft, noncalc, PSZ fltd, light greenish grey, musc-qtz chlorite phyllite. SZ light greenish grey looks like altered phyllite Sharp contact w/ adjoining units Should be next to a metabasite but isn't
L	211011	211060		160	51A116	Same as Unit # 58 Lower contact is minor fault.
L	211060	211135		161	51C17	± 3 Orange-brn weathering, mottled, mod brnish green & beige, dolomitic ± calc. locally metabasite Good banded rock textures on a small scale Mod. soft. Intact. locally calc. in bands. SZ folia mod. green. Dols. flesh coloured when fresh

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	211135	211260		1612	5B210	bio calc-silicaty Mod. hrd to med soft, dk med grey, calc, P52 fltd, thickly lamin to thinly band phyllite. Soft grey phyllitic bands and greenish brn to light grey qtz-chlorite/actinolite - bio to calc bands. Locally calc. bands are very strongly calc. Calc bands 20% of unit Intact. Minor fault at 2123' 55° to core axis.
L	211260	211320		1613	5B410	\$8 Bio (5C37) (Fault BXA) Med grey-green to beige, med hrd, P52 fltd, chlorite-calc-dolo + musc phyllite. interleafed w/ 20% fault bxa w/ dolomite veining ± some biotite. Definitely includes metabasite in lower portion. Upper portion may have been metasediment originally. Convergence of 5D4 & 5B4. Upper portion beige musc-rich & greenish beige musc-chlorite folia separated bands qtz-bio bands similar to last unit. Suspect alt. adjacent to fault Fault dipping 35/000 Fault at 2130'-2131'. Intact.
L	211320	211642		1614	5B101	calc silicaty bio 2 minor Mod. soft to med hrd, dk med greenish & brownish grey, P52 fltd to finely tilted, med. calc. phyllite. In detail thickly to thinly lamin med dk grey phyllite between coarse qtz-dolomite? - bio to calc laminar. Some intermed comp & grain size bands. Unit contains 20% calcaceous bands. Good example of calc-silicated lower Vangorda seen southwest of Vangorda deposit. Both stratigraphic & metamorphic correlation TOE-2160 intact /

2160-EOE med. brn, local rubble, no faults. Below 2159 weathers orange  
because of soon to follow fractures - weathering along fractures & 52 folia.

Code	From	To	Recov.	No.	Unit	Description
I	10 14 16	20 22 24	26 28 30	34 35		
L	211642	2117190		165	51B161	bio calc-silicaty ± 0 minor Med. dk brownish grey to grey brn w/ green tinge, weakly calc, P&Z fild, homog (finely laminated in detail) biot-bearing phyllite. SZ surfaces dk grey w/ brownish - locally greenish tinge). In detail soft grey phyllitic bands w/ interbeds dk brownish grey bio- actinolite (?) - pt - minor calc. Diff from last unit in that lacks coarse calcite bearing ptose bands. Intact. Differs from adjacent units in that less fractured. Similar to very basement Vaugeoisian fm seen in 79-VX-01 (now in type collection at GRM).
L	2117190	2119115		166	51B101	calc-silicaty bio 2 minor Med. soft to med hrd, dk med brown & green tinged grey, med calc, generally P&Z fild, finely laminated phyllitic. Laminated in terms of dk grey noncalc, phyllitic & variably calc, granular, bio-actinolite (?) Unit cut by many post-D2 pt-cc filled crack veinlets. Overall core relatively intact. Similar to Unit # 64
L	2119115	2121090		167	51B101	calc-silicaty bio 2 minor Med to dk med greenish & brownish grey, P&Z fild to v. finely lithonal, calc phyll. Interbeds of soft grey, noncalc phyllite & v. var. ptose bands w/ calcite-actin-bio. Similar to last unit only less fractured. Unit intact.
L	2121090	212195		168	51B161	2 ± 0 ± bio minor Med soft to med hrd, dk med to light grey w/ local brn tinge. Patchily calc, highly fractured, P&Z fild. phyllitic. Dolomitic in center. Variably calc on bottom & top 3'. Core weathers orange-brown w/ 20% cleans to interbedded dk grey & pinkish light grey.

TOI - 2222.5 med. brkn / 2222.5-2224.5 v. brkn, rubble, minor gorge, faults 45°C.A. / -EOI intact  
 Entire unit alt. - dolomitization related to fault zone in rubble zone.

## Lithologic Log

Date: Aug 17/84 Logged By: GAS/CCP

Code	From	To	Recov.	No.	Unit	Description
I	10	14 16	20 22 24	26 28 30	34 35	
L	2121295	2121460		169	151B1210	±3 → (586\$ ±0 ±2) (5AG1) 70:25:05 Med hrd to med soft, var. orange-weathering, dk to dk med gray, strongly calc, PSZ flint phyllite med to thickly interbanded, w/ noncalc, wackly dolomite, PSZ flint phyllite & minor dk gray to black, hard, noncalc, carbonaceous, sil. phyllite. Contains minor blue gray marble interbands and locally is very calcareous. Top of unit placed at first carbonaceous, siliceous phyllite. More conspicuous dk gray interbanding than above lithologies. Strongly broken to locally rubble Recovery Ind.
L	2121460	2121495		170	151A1611	Dk gray to black, hard, noncalc, carbonaceous, sil. phyllite. Very broken to rubble. Minor py. Probably some core lost.
L	2121495	2121620		171	151B1210	±3 → (586\$ ±2) (5AG1) 30:60:10 Med to thickly interbanded, very calc, med dk gray, PSZ to CSZ flint phyllite, thinly lam, med to dk gray, orange-weather, noncalc, dolomite phyllite & minor dk gray to black, carbonaceous, sil. phyllite. Minor blue gray marble bands. Similar to Unit # 69. May include some very altered SD - too altered to be sure. Med to strongly broken.
L	2121620	2121770		172	151A1611	Dk gray to blk, hard, noncalc, carbonaceous, sil. phyllite. Med "dolo flash". Minor pt-py banding - trace sphal. Unit entirely rubble & strongly broken core. 6' recovered.

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24	26 28 30	34 35		
L	22770	23070		1713	5B01	± 2 minor ± calc silicaty ± bio (5B6?) ± 2 Mod. hrd to mod soft, med grey, locally orange-weak, gen. PSZ fild, locally micro lichenoid phyllite Above 2297 strongly to mod calc / below that dolomitic & noncalc Core strongly brkn to locally rubble - especially at End
L	231070	231795		1714	5A161	± 3 minor Dk grey, mod. hrd to hrd, gen noncalc, PSZ fild, carbonac, sil. phyllite. Contains few thin interbeds of calcac. lighter grey phyllite. Mod. to strong "dole flash". Minor diss pg & po v. poorly developed, v. thin qtz - 5" banding. Core TOI - 2327 strongly brkn / 2327-2330 str. brkn, rubble gauge. IND but likely some recovery / 2330-2344 mod. brkn to str. brkn / 2344-2347 str. brkn w/ gauge probab. signif core lost / 2347-EOI mod. brkn to intact.
L	231795	231940		1715	5A461	± 7 (5A461 white) (5A61) Thickly interbedded, dk grey to black, noncalc, carbonac, sil phyllite w/ minor pg as above - dolomitic green to fleshy beige, carbonated metabasites, - & offwhite to a light grey musc-qtz phyllite which is altered variant of 5A local zones of fault rock developed. Some contact gradational based on intensity of fault rock preserved. Core strongly brkn to intact
L	231940	241000		1716	5K41	(5A61) (5B40?) BXA Coherent fault bva w/ locally well developed flow fabric Involving carbonaceous phyllite & carbonated metabasites & altered phyllites as above. Flow fabric at TOI 45° C.A. cut by steeper fractures 25°/same dip. Near EOI flow fabric at 45°-50° core axis Rock coherent - mod. brkn to intact Similar to TIE or Make Believe fault

DDH EAF6.X.1.1  
2 8

Cyprus Anvil Mining Corp.  
Lithologic Log

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Date: Aug 17/84 Logged By: SAJ/LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14 16	20 22 24	26 28	30 34 35		
1	2141010	2241040		1717	31FD1	SHEARED
						Med. hrd, med to light gray, finely x-line marble w/ boudinages to clasts of biot & calc-silicate bearing silicates. Very sheared looking w/ irregular, anastomosing flts. Very small clasts of silicates compared to usual. Near top v fine grained. Small veins of marble seen in E1-AX-02 - flinty type.
						Sheared 3FO - Analogue of TIE fault rock
						EOH

Feet

DDH EA.7.6.X.1.1  
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: Aug 16/84 Logged By: GAD

Code	From				To				Feature	Sym	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				1670					C/S2	S					610		L2 generally 90° to lower part of S2 - 110°
S				1910					C/S2					510			
S				11180					C/S2					615			
S				11410					C/S2	S				715			
S				12070					C/S2					613		indeterminate symmetry	
S				12300					C/S2					610			
S				12410					C/S2	S				617			
S				12630					C/S2	S				616			
S				12920					C/S2					515			
S				12965					P/S2					715		→ CS2	
S				131150					C/S2					610		→ PS2	
S				13310					P/S2					616			
S				135180					C/S2					615			
S				13770					C/S2	S				610			
S				13910					C/S2	S				610			
S				14110					C/S2	S				613			
S				14330					C/S2					610			
S				14630					C/S2					715			
S				14850					P/S2					710		→ CS2	
S				14960					P/S2					712		→ CS2	
S				15240					C/S2					712			
S				15450					C/S2	S				810			
S				15820					P/S2					712		CS2 nearby	
S				15940					P/S2					710			
S				16110					P/S2					712			
S				161190					C/S2					618		→ PS2	
S				16425					P/S2					618		→ CS2	
S				16620					P/S2					810		→ CS2	
S				1675					P/S2					710		→ CS2	
S				16950					P/S2					615		→ CS2	
S				17080					C/S2					812		→ PS2	
S				17230					P/S2					618		local CS2	
S				17310					C/S2	S				615			
S				175160					C/S2					613			
S				17710					C/S2	S				710			

Structural Log

Date: Aug 16/84 Logged By: GAI

Code	From			To			Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description			
	10	14	16	20	22	24						26	28	32
S				1718	0		CS2S					70		
S				1810	0		CS2					52		→ PS2
S				1813	0		CS2					62		→ PS2
S				1848	0		PS2					65		
S				1864	0		PS2					60		
S				1884	0		PS2					69		→ CS2
S				1910	0		CS2S					85		
S				1911	0		CS2E					80		
S				1941	0		PS2					85		
S				1956	0		CS2					90		
S				1977	0		PS2					90		
S				1981	0		PS2					80		
S				1993	0		CS2					73		→ PS2
S				1101	0		PS2					85		
S				1102	0		PS2					88		→ CS2
S				1104	0		CS2					80		→ PS2
S				1105	0		PS2					80		
S				1107	0		CS2					78		→ PS2
S				1108	0		PS2					78		
S				1111	0		PS2					88		
S				1112	0		PS2					78		
S				1114	0		PS2					77		
S				1117	0		PS2					75		
S				1119	0		PS2					70		
S				1121	0		PS2					85		→ CS2
S				1122	0		CS2E					70		at least locally
S				1123	0		PS2					90		→ CS2
S				1126	0		PS2					88		→ CS2
S				1127	0		PS2					85		
S				1129	0		PS2					75		
S				1131	0		PS2					82		
S				1132	0		PS2					80		
S				1135	0		PS2					85		
S				1137	0		PS2					85		
S				1139	0		PS2					85		
S				1140	0		PS2					60		

Structural Log

Date: Aug 17/84 Logged By: G.A.J.

Code	From		To		Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description
	10	14	16	20					
S			14350	2022	P.S12			810	
S			14475	2022	P.S12			810	
S			14650	2022	P.S12			78	
S			14825	2022	P.S12			77	→ CS2
									LR about down-dip
S			14970	2022	P.S12			83	
S			15110	2022	P.S12			810	
S			15290	2022	P.S12			45	
S			15460	2022	P.S12			710	
S			15360	2022	P.S12			68	
S			15390	2022	P.S12			52	
S			15410	2022	P.S12			55	
S			15500	2022	P.S12			20	
S			15570	2022	P.S12			53	
S			15710	2022	P.S12			710	
S			15800	2022	P.S12			710	
S			15840	2022	P.S12			80	
S			16030	2022	P.S12			72	
S									
\$	16107	0	16290	0					Zone of loc. steep S <sub>2</sub> , S <sub>2</sub> folded about shallowly dipping axial plane (CS <sub>n</sub> ) oriented at 77° ↓ where poss. to relate to S <sub>2</sub> it appears to dip in opp. dir. ∴ 77°/180 but uncertain what is S <sub>2</sub> sheet dip overall - folds appear to be related to bxn and gtr re. - do not see a similar foliation outside of this zone. - S <sub>2</sub> ~ 11 CA for 30% of this zone. 14 3mapr steep links at 1625.5-1627.5, 1614-1616, 1611-1613, 1618-1620



Structural Log

Code	From				To				Feature	S <sub>1</sub> /m	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		
S			161090					PS2							52			
S			161155					PS2							011			
S			161175					PS2							610			
S			161190					CS2							01			
S			161230					PS2							55			CSn = 80/000 + 1' up hole is 88/180
S			161260					PS2							01			
S			161280					PS2							75			
S			161340					PS2							70			
S			161440					PS2							72			
S			161830					PS2							78			
S			161910					PS2							82			
S			171130					PS2							76			
S			171370					PS2							88			
S			171620					PS2							79			
S			171880					PS2							76			
S			181160					PS2							80			
S			181410					PS2							68			
S			181640					PS2							68			
S			181880					PS2							76			→ CS2
S			191117					PS2							74			
S			191355					PS2							83			
S			191615					PS2							74			
S			191848					PS2							75			
S			201070					PS2							80			
S			201310					PS2							75			
S			201570					PS2							80			
S			201800					PS2							45			CSn kink banding 85/000 irregular in detail
S			201890					PS2							65			
S			211018					PS2							65			→ CS2
S			211132					PS2							76			
S			211160					PS2							80			
S			211170					PS2							78			
S			211179					CS2							80			→ PS2
S			221014					PS2							85			→ CS2
S			221280					PS2							70			



Feet

FAULT

DDH E.A.7.6.X.1.1  
2 8

Cyprus Anvil Mining Corp.

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REC UPPER INT LOWER  
Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From		To		Feature	E/W	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F	150	0	112	20	T21B								mod. brken to locally poken chippy
F	112	0	112	50	31B1								v. brken to poken chippy
F	112	50	114	10	T21B								mod. brken to locally poken chippy
F	114	10	115	10	21B1R2								mod. brken to rubble recov 2'/10'
F	115	10	115	65	31B1	5							recov 3'/5.5' v. brken
F	119	40	119	70	31B1								v. brken to incip. gouged
F	119	70	120	120	21B1								mod. brken
F	120	120	120	125	R1								INO rubble
F	120	125	131	990	21B								mod. brken
F			131	560	NNN								conodont sample
F	131	670	131	700	NNN								conodont sample
F	141	080	141	630	11B1								mod. brken to intact
F	141	630	141	660	T1								poken chippy
F	141	660	151	910	21B1								mod. brken
F	151	010	151	190	31B1T7								str. brken to poken chippy local rubble 75% recovery
F	151	190	170	185	11B1								mod. brken to intact
F	179	00	179	30	21B1								mod. brken
F	179	30	180	910	31B5								strongly sheared, core v. brken 35-40° C.A.
F	179	30	180	10	31F								first sign fault in DDH
F	181	010	180	20	31B1								strongly brken
F	181	020	181	105	11B1								mod. brken to intact
F	181	105	182	40	21B								mod. brken
F	182	40	183	380	31B1R								mod. to str. brken / local rubble
F	183	380	183	930	11XQ								minor cc crackle veinlets
F	183	930	183	950	21B								mod. brken
F	191	050	191	110	M1B								20% core gone / sampled? ?
F	191	310	193	350	NNN								sampled core
F	193	770	110	970	21B								mod. brken
F	110	660	110	760	NNN								S isotope sample
F	110	410	111	315	11B								mod. brken to intact
F	111	315	111	410	31B1R8								v. brken to rubble
F			111	315	5F								80% recovery

20000

Feet:

DDH E.A.7.6.X.1.1  
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date:      Logged By:     

Code	From			To			Feature	SYM	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24			26	28	Dip	Direct.	Dip	Direct.	
F	111410		111570				3BR								v. broken w/ much rubble
F	111570		111625				3B								str. broken
F	111615		111749				MNW								missing core
F	111749		112145				1B1J			15	180				intact to mod. broken steep minor fractures @ 15/180°
F	112350		113585				1B								mod. broken to intact
F	113585		113670				G1B	1							gauge of rubble near 1.5'/8.5'
F			113670				F								rubbly gouged, some fault box
F	114050		114080				R1GX								str. broken/poken chippy
F	114080		114300				3BT								mod. broken to intact
F	114300		114500				1B								str. broken, locally poken chippy
F	114500		114516				53B1								str. broken w/ local rubble
F	114516		114630				3BR								mod. broken to intact
F	114630		115190				1B1								minor fault box 40° core axis
F			115215				1X								steep fault - subsidiary to fault further up DDH
F			115450				1F1								minor INO gauge of rubble
F			116370				1GR								rubble, INO gauge, minor fault
F	117780		117820				R1G1								mod. broken
F	117820		117910				02B1								rubble
F	117910		117925				5R1								mod. broken to intact
F	117925		118220				1B1								mod. broken, essentially intact
F	119850		210280				1B1								rubble, INO gauge, minor fault?
F	210460		210500				R1G								upper 2' poken chippy to rubble
F	210518		210600				1RT								mod. broken to locally intact
F	210600		210820				1B1								mod. broken, local INO gauge
F	210820		210845				21B								lower contact is minor fault
F			211060				1F								minor fault, 55° core axis
F			211213				1F1								

Feet

FAULT

DDH EA76X1.1  
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date:      Logged By:     

Code	From				To				Feature	S <sub>1</sub> M	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F211310	0	211311	0	31XF								35	000				fault bxa, fault dipping 35/000
F211610	0	211642	21B														mod. broken, local rubble, no faults
F211719	0	211955	11XQ														many post-D2, cc-gtz crackle veinlets
F212109	0	212122	521B														mod. broken
F212122	5	212124	531B1R														v. broken, rubble, minor gouge, faults 45° core axis
F212129	5	212149	531B1R														v. broken to locally rubble
F212149	5	212162	031B1														mod. to strongly broken
F212162	0	212177	031B1B3														6'/15' recovered, rubble & strongly broken
F212177	0	213107	031B1														strongly broken to locally rubble
F213107	0	213127	031B1														strongly broken
F213127	0	213138	031B1R														str. broken, rubble, gouge
F213138	0	213144	021B														mod. broken to str. broken
F213144	0	213147	031B1G														str. broken w/ gouge - prob. sig. core loss
F213147	0	213179	511B														mod. broken to intact
F213179	5	213194	031B1														core str. broken to intact
F213179	5	213194	021FX														local zones of fault rock
		213194	0	214100	031FX												fault bxa w/ locally well developed flow fabric 45°-50° core axis
F214100	0	214104	031D1F														similar to TIE fault ductile flow, mylonite in fine-grained marble sheared 3FD - analogue of Tis fault rock
																	EON

DRILL HOLE : EA76X11  
NORTHING : 904,375.0  
EASTING : 591,980.0  
ELEVATION : 1,278.0  
TOTAL DEPTH : 732.7  
SECTION : W 68  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 11  
NOS DOWN-H-LITHOLOGY: 37  
NOS DOWN-H-STRUCTURE: 118  
NOS DOWN-H-FAULTS: 5  
NOS DOWN-H-SPLINES: 11  
NOS COMPOSITES: 0

18FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 2

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMC CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
22.300	178.800	99.000
113.700	171.800	58.000
189.900	165.000	55.000
266.100	160.800	50.000
342.300	161.000	55.000
418.500	164.300	60.000
498.700	157.500	33.000
574.900	157.300	40.000
651.100	158.800	41.000
727.300	158.200	43.000

CDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
15.2	OC01	#		0.C	1
48.1	OG02	5920		0.C	1
61.7	OG03	5C37	8 MOTTLED	0.C	1
226.1	OC04	5B20	(5E2) (5C38) 90:10:TRACE	0.C	1
226.6	0005	5C38		0.C	1
271.8	OC06	5920	(5C8) TRACE	0.C	1
275.8	OC07	5C37	8	0.C	1
277.6	OC08	5B29	"LIKE CALC. 4A "	0.C	1
297.7	OC09	5C37	8	0.C	1
307.6	OG10	5B20		0.C	1
318.2	OC11	5B20		0.C	1
330.4	OC12	5A10	9 PY "LIKE CALC. 4A "	0.C	1
345.0	OC13	5A10	-> (5A16) 20:80	0.C	1
352.6	OG14	5A0		0.C	1
354.1	OC15	5C8	MOTTLE-WEAK	0.C	1
368.5	OC16	5A19	6 (5A16) 4A EQUIV.	0.C	1
376.3	OC17	5C37	8	0.C	1
594.0	OC18	5A0	(5A19 PY PO) 4A EQUIV.	0.C	1
596.6	OC19	5A3	.	0.C	1
605.1	OG20	5B73	BIO PHYLL & CC-EP-HBL C.S.	0.C	1
635.3	OG21	3GC1	(3G93) T.C.I.	0.C	1
636.0	OC22	3C1a	MOTTLED [3D31 MOTTLED]	0.C	1
641.9	OC23	3GC		0.C	1
644.3	OG24	3C1a	[3D31]	0.C	1
648.0	OG25	3D89	.	0.C	1
649.8	OC26	3C31	[3D31]	0.C	1
659.7	OC27	3D89	.	0.C	1
661.1	OC28	3D18		0.C	1
664.0	OC29	3D4	BIO	0.C	1
683.9	OC30	3D89	BIO	0.C	1
686.5	OG31	3E3		0.C	1
689.7	OG32	3E3		0.C	1
694.3	OC33	3E1	GOUGE	0.C	1
703.3	OC34	3D8		0.C	1
725.3	OG35	3E16		0.C	1
729.7	OC36	3D1	(3E1) MINOR	0.C	1
732.7	OC37	3FC	CPX-GAR SILICATED MARBLE	0.C	1

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHCC	SDC	PROCESS
EA76X11	0.0	10.4	CS2		0	0	50	C	60	230	C		1	1	1
EA76X11	0.0	16.5	CS2		0	0	50	C	70	230	C		1	1	1
EA76X11	0.0	18.2	CS2	Z	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	19.2	CS2	Z	0	0	80	C	70	230	C		1	1	1
EA76X11	0.0	21.6	CS2	Z	0	0	70	C	60	230	C		1	1	1
EA76X11	0.0	24.2	CS2	Z	0	0	75	20	60	230	C		1	1	1
EA76X11	0.0	26.2	CS2	Z	0	0	60	180	60	230	C		1	1	1
EA76X11	0.0	32.4	CS2	Z	0	0	80	20	70	230	C		1	1	1
EA76X11	0.0	35.5	CS2	Z	0	0	60	135	70	230	C		1	1	1
EA76X11	0.0	35.9	CS2	Z	0	0	40	230	70	230	C		1	1	1
EA76X11	0.0	36.7	CS2	Z	0	0	30	135	70	230	C		1	1	1
EA76X11	0.0	37.1	CS2	Z	0	0	30	135	70	230	C		1	1	1
EA76X11	0.0	38.5	CS2	Z	0	0	75	135	65	230	C		1	1	1
EA76X11	0.0	39.3	CS2	Z	0	0	70	0	60	230	C		1	1	1
EA76X11	0.0	42.4	CS2		0	0	50	0	70	230	C		1	1	1
EA76X11	0.0	48.1	PS1		0	0	0	0	50	230	C		1	1	1
EA76X11	0.0	65.8	CS2	Z	0	0	60	180	70	230	C		1	1	1
EA76X11	0.0	66.2	CS2		0	0	15	180	70	230	C		1	1	1
EA76X11	0.0	66.7	CS2	Z	0	0	60	180	70	230	C		1	1	1
EA76X11	0.0	67.9	CS2	Z	0	0	0	180	70	230	C		1	1	1
EA76X11	0.0	69.4	CS2	Z	0	0	60	180	60	230	C		1	1	1
EA76X11	0.0	74.6	CS2	S	0	0	40	0	65	230	C		1	1	1
EA76X11	0.0	84.1	CS2	S	0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	95.7	CS2	Z	0	0	70	220	70	230	C		1	1	1
EA76X11	0.0	97.5	CS2	Z	0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	102.7	CS2	Z	0	0	60	135	60	230	C		1	1	1
EA76X11	0.0	114.3	CS2	Z	0	0	70	150	70	230	C		1	1	1
EA76X11	0.0	119.7	CS2		0	0	50	0	60	230	C		1	1	1
EA76X11	0.0	128.9	CS2	Z	0	0	70	0	60	230	C		1	1	1
EA76X11	0.0	131.0	CS2	E	0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	137.1	CS2		0	0	50	0	70	230	C		1	1	1
EA76X11	0.0	145.8	CS2	3	0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	151.4	CS2	Z	0	0	80	0	70	230	C		1	1	1
EA76X11	0.0	159.4	CS2	Z	0	0	80	0	70	230	C		1	1	1
EA76X11	0.0	173.4	CS2		0	0	60	0	80	230	C		1	1	1
EA76X11	0.0	178.9	CS2		0	0	30	0	70	230	C		1	1	1
EA76X11	0.0	183.1	CS2		0	0	55	0	60	230	C		1	1	1
EA76X11	0.0	193.8	CS2		0	0	0	0	80	230	C		1	1	1
EA76X11	0.0	196.2	CS2		0	0	60	0	80	230	C		1	1	1
EA76X11	0.0	202.6	CS2		0	0	30	0	70	230	C		1	1	1
EA76X11	0.0	211.2	CS2		0	0	70	0	85	230	C		1	1	1
EA76X11	0.0	217.7	CS2		0	0	40	0	70	230	C		1	1	1
EA76X11	0.0	223.7	CS2		0	0	60	0	70	230	C		1	1	1
EA76X11	0.0	232.5	CS2		0	0	50	310	65	230	C		1	1	1
EA76X11	0.0	236.5	CS2	Z	0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	237.8	CS2	Z	0	0	85	30	65	230	C		1	1	1
EA76X11	0.0	245.8	CS2	Z	0	0	60	0	50	230	C		1	1	1
EA76X11	0.0	252.6	CS2	Z	0	0	0	0	65	230	C		1	1	1
EA76X11	0.0	260.2	CS2		0	0	40	0	75	230	C		1	1	1
EA76X11	0.0	265.9	CS2	Z	0	0	50	50	65	230	C		1	1	1
EA76X11	0.0	271.5	CS2	Z	0	0	70	0	85	230	C		1	1	1

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 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
EA76X11	0.0	275.2	CS2	Z	0	0	0	C	85	230	C		1	1	1
EA76X11	0.0	275.8	CS2		0	0	40	C	85	230	C		1	1	1
EA76X11	0.0	277.6	CS2	Z	0	0	50	180	65	230	C		1	1	1
EA76X11	0.0	284.3	CS2	Z	0	0	60	180	65	230	C		1	1	1
EA76X11	0.0	290.3	CS2		0	0	0	C	90	230	C		1	1	1
EA76X11	0.0	298.0	CS2	Z	0	0	40	180	75	230	C		1	1	1
EA76X11	0.0	301.8	CS2	Z	0	0	70	250	70	230	C		1	1	1
EA76X11	0.0	306.4	CS2	Z	0	0	70	180	80	230	C		1	1	1
EA76X11	0.0	313.9	CS2	S	0	0	50	C	70	230	C		1	1	1
EA76X11	0.0	321.8	CS2		0	0	20	270	80	230	C		1	1	1
EA76X11	0.0	328.5	CS2	D	0	0	0	C	80	230	C		1	1	1
EA76X11	0.0	335.8	CS2	Z	0	0	80	G	65	230	C		1	1	1
EA76X11	0.0	342.2	CS2	Z	C	0	70	180	75	230	C		1	1	1
EA76X11	0.0	351.1	CS2	Z	C	C	80	0	70	230	C		1	1	1
EA76X11	0.0	359.0	CS2	Z	C	0	70	180	80	230	C		1	1	1
EA76X11	0.0	359.8	CS2	Z	0	0	50	180	70	230	C		1	1	1
EA76X11	0.0	366.3	CS2	S	0	0	10	C	80	230	C		1	1	1
EA76X11	0.0	373.3	CS2	Z	0	0	40	130	70	230	C		1	1	1
EA76X11	0.0	381.3	CS2	D	0	0	0	C	80	230	C		1	1	1
EA76X11	0.0	386.7	CS2	S	0	0	50	C	80	230	C		1	1	1
EA76X11	0.0	391.2	CS2		0	0	0	C	80	230	C		1	1	1
EA76X11	0.0	396.8	CS2	Z	0	0	50	220	75	230	C		1	1	1
EA76X11	0.0	402.9	CS2	Z	0	0	65	200	70	230	C		1	1	1
EA76X11	0.0	416.6	CS2	Z	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	425.5	CS2	S	0	0	50	C	85	230	C		1	1	1
EA76X11	0.0	437.5	CS2	Z	0	0	75	200	70	230	C		1	1	1
EA76X11	0.0	444.0	CS2	Z	C	C	80	180	80	230	C		1	1	1
EA76X11	0.0	449.5	CS2	D	C	0	0	C	80	230	C		1	1	1
EA76X11	0.0	452.3	CS2	Z	0	0	70	180	70	230	C		1	1	1
EA76X11	0.0	459.6	CS2	S	0	0	60	C	80	230	C		1	1	1
EA76X11	0.0	465.1	CS2	D	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	473.3	CS2	S	0	0	0	0	65	230	C		1	1	1
EA76X11	0.0	479.4	CS2	Z	0	C	0	C	65	230	C		1	1	1
EA76X11	0.0	485.8	CS2	Z	0	0	70	180	70	230	C		1	1	1
EA76X11	0.0	494.8	CS2	Z	0	0	50	180	80	230	C		1	1	1
EA76X11	0.0	502.3	PS2		0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	510.8	CS2	Z	0	0	70	180	85	230	C		1	1	1
EA76X11	0.0	517.2	CS2	Z	0	0	70	180	70	230	C		1	1	1
EA76X11	0.0	525.7	CS2	Z	0	0	80	180	80	230	C		1	1	1
EA76X11	0.0	536.1	CS2	Z	C	0	0	C	80	230	C		1	1	1
EA76X11	0.0	541.3	CS2	Z	0	0	0	C	80	230	C		1	1	1
EA76X11	0.0	548.3	CS2	Z	0	0	0	C	75	230	C		1	1	1
EA76X11	0.0	555.9	CS2	S	0	0	0	C	75	230	C		1	1	1
EA76X11	0.0	562.0	CS2	D	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	572.1	CS2		0	0	0	C	75	230	C		1	1	1
EA76X11	0.0	575.7	CS2	S	0	0	50	C	80	230	C		1	1	1
EA76X11	0.0	581.7	CS2	S	0	0	70	C	80	230	C		1	1	1
EA76X11	0.0	588.5	CS2		0	0	0	C	85	230	C		1	1	1
EA76X11	0.0	594.0	CS2	S	0	0	50	60	80	230	C		1	1	1
EA76X11	0.0	601.3	CS2	Z	0	0	60	180	80	230	C		1	1	1
EA76X11	0.0	609.9	CS2	Z	0	0	40	180	80	230	C		1	1	1

18FEE84 GRUM

## DOWN-HOLE STRUCTURE (DH020)

PAGE: 6

GDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE-CDE	DHCC	SDC	PROCESS
EA76X11	0.0	618.4	CS2	Z	0	0	0	0	45	230	C	1	1	1
EA76X11	0.0	624.8	CS2	Z	0	0	60	120	70	230	C	1	1	1
EA76X11	0.0	629.7	CS2	Z	0	0	0	0	75	230	C	1	1	1
EA76X11	0.0	640.0	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.0	647.8	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.0	655.3	CS2		0	0	0	0	80	230	C	1	1	1
EA76X11	0.0	661.4	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.0	670.5	CS2		0	0	0	0	90	230	C	1	1	1
EA76X11	0.0	678.1	CS2	S	0	0	40	0	60	230	C	1	1	1
EA76X11	0.0	685.8	CS2	S	0	0	40	0	70	230	C	1	1	1
EA76X11	0.0	694.3	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.0	700.5	CS2	Z	0	0	0	0	50	230	C	1	1	1
EA76X11	0.0	707.7	CS2	Z	0	0	40	0	70	230	C	1	1	1
EA76X11	0.0	715.6	CS2	S	0	0	0	0	80	230	C	1	1	1
EA76X11	0.0	723.5	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.0	731.5	PS2		0	0	0	0	70	230	C	1	1	1

10FE284 GRUM

## DOWN-HOLE FAULTS (DHC20)

PAGE: 7

GDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,273.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHC CALC: 1 SS CALC: 1

GDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DMD		
EA76X11	462.8	464.3	G				0	0	0	99	999	1
EA76X11	664.0	683.9	1JQ				0	0	0	0	0	1
EA76X11	689.7	694.3	GR				0	0	0	0	0	1
EA76X11	710.4	712.3	G				0	0	0	0	0	1
EA76X11	729.7	732.7	1JQ				0	0	0	0	0	1

18FEB84 GRUM

DOWN-HOLE SPLINES (CH020)

PAGE: 8

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
EA76X11	1	2
EA76X11	2	2
EA76X11	3	2
EA76X11	4	2
EA76X11	5	2
EA76X11	6	2
EA76X11	7	2
EA76X11	8	2
EA76X11	9	2
EA76X11	10	2
EA76X11	11	1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:02:15

DRILL HOLE : EA76X11  
NORTHING : 904,375.0  
EASTING : 591,980.0  
ELEVATION : 1,278.0  
TOTAL DEPTH : 732.7  
SECTION : W 68  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 11  
NOS DOWN-H-LITHOLOGY: 37  
NOS DOWN-H-STRUCTURE: 118  
NOS DOWN-H-FAULTS: 5  
NOS DOWN-H-SPLINES: 11  
NOS COMPOSITES: 0

18FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 2

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
22.300	178.800	99.000
113.700	171.800	58.000
189.900	165.000	55.000
266.100	160.800	50.000
342.300	161.000	55.000
418.500	164.000	60.000
498.700	157.500	38.000
574.900	157.300	40.000
651.100	158.800	41.000
727.300	158.200	43.000

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
15.2	OC01	#		0.C	1
48.1	OC02	5B20		0.C	1
61.7	OC03	5C37	8 MOTTLED	0.C	1
226.1	OC04	5B20	(5E2) (5C38) 90:10:TRACE	0.C	1
226.6	OC05	5C38		0.C	1
271.8	OC06	5B20	(5C8) TRACE	0.C	1
275.8	OC07	5C37	8	0.C	1
277.6	OC08	5B29	"LIKE CALC. 4A "	0.C	1
297.7	OC09	5C37	8	0.C	1
307.6	OC10	5B20		0.C	1
318.2	OC11	5B20		0.C	1
330.4	OC12	5A10	9 PY "LIKE CALC. 4A "	0.C	1
345.0	OC13	5A10	-> (5A16) 20:80	0.C	1
352.6	OC14	5A0		0.C	1
354.1	OC15	5C8	MOTTLE-WEAK	0.C	1
368.5	OC16	5A19	6 (5A16) 4A EQUIV.	0.C	1
376.3	OC17	5C37	8	0.C	1
594.0	OC18	5A0	(5A19 PY PO) 4A EQUIV.	0.C	1
596.6	OC19	5A3	.	0.C	1
605.1	OC20	5B73	BIO PHYLL & CC-EP-HBL C.S.	0.C	1
635.3	OC21	3GC1	(3G93) T.C.I.	0.C	1
636.0	OC22	3C1a	MOTTLED [3D31 MOTTLED]	0.C	1
641.9	OC23	3GC		0.C	1
644.3	OC24	3C1a	[3D31]	0.C	1
648.0	OC25	3D89	.	0.C	1
649.8	OC26	3C31	[3D31]	0.C	1
659.7	OC27	3D89	.	0.C	1
661.1	OC28	3D18		0.C	1
664.0	OC29	3D4	BIO	0.C	1
683.9	OC30	3D89	BIO	0.C	1
686.5	OC31	3E3		0.C	1
689.7	OC32	3E3		0.C	1
694.3	OC33	3E1	GOUGE	0.C	1
703.3	OC34	3D8		0.C	1
725.3	OC35	3E16		0.C	1
729.7	OC36	3D1	(3E1) MINOR	0.C	1
732.7	OC37	3FC	CPX-GAR SILICATED MARBLE	0.C	1

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

CDH	F DEPTH	T DEPTH	FEAT	SYTRY	SO ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHCC	SDC	PROCESS
EA76X11	0.0	10.4	CS2		0	0	50	C	60	230	C		1	1	1
EA76X11	0.0	16.5	CS2		0	0	50	C	70	230	C		1	1	1
EA76X11	0.0	18.2	CS2	Z	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	19.2	CS2	Z	0	0	80	C	70	230	C		1	1	1
EA76X11	0.0	21.6	CS2	Z	0	0	70	C	60	230	C		1	1	1
EA76X11	0.0	24.2	CS2	Z	0	0	75	20	60	230	C		1	1	1
EA76X11	0.0	26.2	CS2	Z	0	0	60	180	60	230	C		1	1	1
EA76X11	0.0	32.4	CS2	Z	0	0	80	20	70	230	C		1	1	1
EA76X11	0.0	35.5	CS2	Z	0	0	60	135	70	230	C		1	1	1
EA76X11	0.0	35.9	CS2	Z	0	0	40	230	70	230	C		1	1	1
EA76X11	0.0	36.7	CS2	Z	0	0	30	135	70	230	C		1	1	1
EA76X11	0.0	37.1	CS2	Z	0	0	30	135	70	230	C		1	1	1
EA76X11	0.0	38.5	CS2	Z	0	0	75	135	65	230	C		1	1	1
EA76X11	0.0	39.3	CS2	Z	0	0	70	0	60	230	C		1	1	1
EA76X11	0.0	42.4	CS2		0	0	50	C	70	230	C		1	1	1
EA76X11	0.0	48.1	PS1		0	0	0	0	50	230	C		1	1	1
EA76X11	0.0	65.8	CS2	Z	0	0	60	180	70	230	C		1	1	1
EA76X11	0.0	66.2	CS2		0	0	15	180	70	230	C		1	1	1
EA76X11	0.0	66.7	CS2	Z	0	0	60	180	70	230	C		1	1	1
EA76X11	0.0	67.9	CS2	Z	0	0	0	180	70	230	C		1	1	1
EA76X11	0.0	69.4	CS2	Z	0	0	60	180	60	230	C		1	1	1
EA76X11	0.0	76.6	CS2	S	0	0	40	0	65	230	C		1	1	1
EA76X11	0.0	86.1	CS2	S	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	95.7	CS2	Z	0	0	70	220	70	230	C		1	1	1
EA76X11	0.0	97.5	CS2	Z	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	102.7	CS2	Z	0	0	60	135	60	230	C		1	1	1
EA76X11	0.0	114.3	CS2	Z	0	0	70	150	70	230	C		1	1	1
EA76X11	0.0	119.7	CS2		0	0	50	C	60	230	C		1	1	1
EA76X11	0.0	128.9	CS2	Z	0	0	70	C	60	230	C		1	1	1
EA76X11	0.0	131.0	CS2	E	0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	137.1	CS2		0	0	50	C	70	230	C		1	1	1
EA76X11	0.0	145.8	CS2	3	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	151.4	CS2	Z	0	0	80	C	70	230	C		1	1	1
EA76X11	0.0	159.4	CS2	Z	0	0	80	0	70	230	C		1	1	1
EA76X11	0.0	173.4	CS2		0	0	60	C	80	230	C		1	1	1
EA76X11	0.0	178.9	CS2		0	0	30	C	70	230	C		1	1	1
EA76X11	0.0	183.1	CS2		0	0	55	0	60	230	C		1	1	1
EA76X11	0.0	193.8	CS2		0	0	0	0	80	230	C		1	1	1
EA76X11	0.0	196.2	CS2		0	0	60	C	80	230	C		1	1	1
EA76X11	0.0	202.6	CS2		0	0	30	0	70	230	C		1	1	1
EA76X11	0.0	211.2	CS2		0	0	70	0	85	230	C		1	1	1
EA76X11	0.0	217.7	CS2		0	0	40	C	70	230	C		1	1	1
EA76X11	0.0	223.7	CS2		0	0	60	C	70	230	C		1	1	1
EA76X11	0.0	232.5	CS2		0	0	50	310	65	230	C		1	1	1
EA76X11	0.0	236.5	CS2	Z	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	237.8	CS2	Z	0	0	85	30	65	230	C		1	1	1
EA76X11	0.0	245.8	CS2	Z	0	0	60	0	50	230	C		1	1	1
EA76X11	0.0	252.6	CS2	Z	0	0	0	C	65	230	C		1	1	1
EA76X11	0.0	260.2	CS2		0	0	40	0	75	230	C		1	1	1
EA76X11	0.0	265.9	CS2	Z	0	0	50	50	65	230	C		1	1	1
EA76X11	0.0	271.5	CS2	Z	0	0	70	C	85	230	C		1	1	1

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 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
EA76X11	0.0	275.2	CS2	Z	0	0	0	0	85	230	C		1	1	1
EA76X11	0.0	275.8	CS2		0	0	40	C	85	230	C		1	1	1
EA76X11	0.0	277.6	CS2	Z	0	C	50	180	65	230	C		1	1	1
EA76X11	0.0	284.3	CS2	Z	C	0	60	18C	85	230	C		1	1	1
EA76X11	0.0	290.3	CS2		C	0	0	C	90	230	C		1	1	1
EA76X11	0.0	298.0	CS2	Z	0	0	40	18C	75	230	C		1	1	1
EA76X11	0.0	301.8	CS2	Z	0	0	70	25C	70	230	C		1	1	1
EA76X11	0.0	306.4	CS2	Z	0	C	70	18C	80	230	C		1	1	1
EA76X11	0.0	313.9	CS2	S	0	0	50	C	70	230	C		1	1	1
EA76X11	0.0	321.8	CS2		C	0	20	27C	80	230	C		1	1	1
EA76X11	0.0	328.5	CS2	D	0	0	0	C	80	230	C		1	1	1
EA76X11	0.0	335.8	CS2	Z	C	0	80	C	65	230	C		1	1	1
EA76X11	0.0	342.2	CS2	Z	C	0	70	18C	75	230	C		1	1	1
EA76X11	0.0	351.1	CS2	Z	C	C	80	C	70	230	C		1	1	1
EA76X11	0.0	359.0	CS2	Z	C	C	70	18C	80	230	C		1	1	1
EA76X11	0.0	359.8	CS2	Z	0	0	50	18C	70	230	C		1	1	1
EA76X11	0.0	366.3	CS2	S	0	0	10	C	80	230	C		1	1	1
EA76X11	0.0	373.3	CS2	Z	0	0	40	130	70	230	C		1	1	1
EA76X11	0.0	381.3	CS2	D	0	0	0	C	80	230	C		1	1	1
EA76X11	0.0	386.7	CS2	S	C	0	50	C	80	230	C		1	1	1
EA76X11	0.0	391.2	CS2		C	0	0	C	80	230	C		1	1	1
EA76X11	0.0	396.8	CS2	Z	0	0	50	220	75	230	C		1	1	1
EA76X11	0.0	402.9	CS2	Z	0	C	65	200	70	230	C		1	1	1
EA76X11	0.0	416.6	CS2	Z	C	0	0	C	70	230	C		1	1	1
EA76X11	0.0	425.5	CS2	S	C	0	50	C	85	230	C		1	1	1
EA76X11	0.0	437.5	CS2	Z	0	0	75	200	70	230	C		1	1	1
EA76X11	0.0	444.0	CS2	Z	0	C	80	180	80	230	C		1	1	1
EA76X11	0.0	449.5	CS2	D	C	0	0	C	80	230	C		1	1	1
EA76X11	0.0	452.3	CS2	Z	0	0	70	180	70	230	C		1	1	1
EA76X11	0.0	459.6	CS2	S	0	0	60	0	80	230	C		1	1	1
EA76X11	0.0	465.1	CS2	D	C	0	0	C	70	230	C		1	1	1
EA76X11	0.0	473.3	CS2	S	0	0	0	0	65	230	C		1	1	1
EA76X11	0.0	479.4	CS2	Z	0	C	0	C	65	230	C		1	1	1
EA76X11	0.0	485.8	CS2	Z	0	0	70	180	70	230	C		1	1	1
EA76X11	0.0	494.8	CS2	Z	C	0	50	18C	80	230	C		1	1	1
EA76X11	0.0	502.3	PS2		0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	510.8	CS2	Z	0	0	70	18C	85	230	C		1	1	1
EA76X11	0.0	517.2	CS2	Z	0	0	70	18C	70	230	C		1	1	1
EA76X11	0.0	525.7	CS2	Z	0	0	80	18C	80	230	C		1	1	1
EA76X11	0.0	536.1	CS2	Z	0	0	0	C	80	230	C		1	1	1
EA76X11	0.0	541.3	CS2	Z	0	0	0	C	80	230	C		1	1	1
EA76X11	0.0	548.3	CS2	Z	0	0	0	C	75	230	C		1	1	1
EA76X11	0.0	555.9	CS2	S	C	0	0	C	75	230	C		1	1	1
EA76X11	0.0	562.0	CS2	D	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	572.1	CS2		0	0	0	C	75	230	C		1	1	1
EA76X11	0.0	575.7	CS2	S	0	0	50	C	80	230	C		1	1	1
EA76X11	0.0	581.7	CS2	S	0	0	70	C	80	230	C		1	1	1
EA76X11	0.0	588.5	CS2		0	0	0	C	85	230	C		1	1	1
EA76X11	0.0	594.0	CS2	S	0	C	50	6C	80	230	C		1	1	1
EA76X11	0.0	601.3	CS2	Z	0	C	60	180	80	230	C		1	1	1
EA76X11	0.0	609.9	CS2	Z	0	0	40	18C	80	230	C		1	1	1

GDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

GDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE/CDE	DHCC	SDC	PROCESS
EA76X11	0.C	618.4	CS2	Z	0	0	0	0	45	230	C	1	1	1
EA76X11	0.0	624.8	CS2	Z	0	0	60	180	70	230	C	1	1	1
EA76X11	0.0	629.7	CS2	Z	0	0	0	0	75	230	C	1	1	1
EA76X11	0.0	640.0	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.C	647.8	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.C	655.3	CS2		0	0	0	0	80	230	C	1	1	1
EA76X11	0.C	661.4	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.C	670.5	CS2		0	0	0	0	90	230	C	1	1	1
EA76X11	0.0	678.1	CS2	S	0	0	40	0	60	230	C	1	1	1
EA76X11	0.0	685.8	CS2	S	0	0	40	0	70	230	C	1	1	1
EA76X11	0.C	694.3	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.C	700.5	CS2	Z	0	0	0	0	50	230	C	1	1	1
EA76X11	0.C	707.7	CS2	Z	0	0	40	0	70	230	C	1	1	1
EA76X11	0.C	715.6	CS2	S	0	0	0	0	80	230	C	1	1	1
EA76X11	0.0	723.5	CS2		0	0	0	0	70	230	C	1	1	1
EA76X11	0.C	731.5	PS2		0	0	0	0	70	230	C	1	1	1

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,273.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 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
EA76X11	462.8	464.3	G				0	0	0	1
EA76X11	664.0	683.9	1JQ				0	0	0	1
EA76X11	689.7	694.3	GR				0	0	0	1
EA76X11	710.4	712.3	G				0	0	0	1
EA76X11	729.7	732.7	1JQ				0	0	0	1

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DOWN-HOLE SPLINES (DHO2C)

PAGE: 8

CDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

EA76X11	1	2
EA76X11	2	2
EA76X11	3	2
EA76X11	4	2
EA76X11	5	2
EA76X11	6	2
EA76X11	7	2
EA76X11	8	2
EA76X11	9	2
EA76X11	10	2
EA76X11	11	1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:02:15

DRILL HOLE : EA76X11  
NORTHING : 904,375.0  
EASTING : 591,980.0  
ELEVATION : 1,278.0  
TOTAL DEPTH : 732.7  
SECTION : W 68  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CORE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 11  
NOS DOWN-H-LITHOLOGY: 37  
NOS DOWN-H-STRUCTURE: 118  
NOS DOWN-H-FAULTS: 5  
NOS DOWN-H-SPLINES: 11  
NOS COMPOSITES: 0

18FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 2

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
22.300	178.800	99.000
113.700	171.800	58.000
189.900	165.000	55.000
266.100	160.800	50.000
342.300	161.000	55.000
418.500	164.000	60.000
498.700	157.500	38.000
574.900	157.300	40.000
651.100	158.800	41.000
727.300	158.200	43.000

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
15.2	OC01	#		O.C	1
48.1	OC02	5B20		O.C	1
61.7	OC03	5C37	8 MOTTLED	O.C	1
226.1	OC04	5B20	(5E2) (5C38) 90:10:TRACE	O.C	1
226.6	OC05	5C38		O.C	1
271.8	OC06	5B20	(5C8) TRACE	O.C	1
275.6	OC07	5C37	8	O.C	1
277.6	OC08	5B29	"LIKE CALC. 4A "	O.G	1
297.7	OC09	5C37	8	O.C	1
307.6	OC10	5B20		O.C	1
318.2	OC11	5B20		O.C	1
330.4	OC12	5A10	9 PY "LIKE CALC. 4A "	O.C	1
345.0	OC13	5A10	-> (5A16) 20:80	O.C	1
352.6	OC14	5A0		O.C	1
354.1	OC15	5C8	MOTTLE-WEAK	O.C	1
368.5	OC16	5A19	6 (5A16) 4A EQUIV.	O.C	1
376.3	OC17	5C37	8	O.C	1
594.0	OC18	5A0	(5A19 PY PO) 4A EQUIV.	O.C	1
596.6	OC19	5A3	.	O.C	1
605.1	OC20	5B73	BIO PHYLL & CC-EP-HBL C.S.	O.C	1
635.3	OC21	3G01	(3G93) T.C.I.	O.C	1
636.0	OC22	3C1a	MOTTLED [3D31 MOTTLED]	O.C	1
641.9	OC23	3G0		O.C	1
644.3	OC24	3C1a	[3D31]	O.C	1
648.0	OC25	3D89	.	O.C	1
649.8	OC26	3C31	[3D31]	O.C	1
659.7	OC27	3D89	.	O.C	1
661.1	OC28	3D18		O.C	1
664.0	OC29	3D4	BIO	O.C	1
683.9	OC30	3D89	BIO	O.C	1
686.5	OC31	3E3		O.C	1
689.7	OC32	3E3		O.G	1
694.3	OC33	3E1	GOUGE	O.G	1
703.3	OC34	3D8		O.C	1
725.3	OC35	3E16		O.C	1
729.7	OC36	3D1	(3E1) MINOR	O.G	1
732.7	OC37	3F0	CPX-GAR SILICATED MARBLE	O.C	1

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 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	COE	DHDC	SDC	PROCESS
EA76X11	0.0	10.4	CS2		0	0	50	C	60	230	C		1	1	1
EA76X11	0.0	16.5	CS2		0	0	50	C	70	230	C		1	1	1
EA76X11	0.0	18.2	CS2	Z	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	19.2	CS2	Z	0	0	80	C	70	230	C		1	1	1
EA76X11	0.0	21.6	CS2	Z	0	0	70	C	60	230	C		1	1	1
EA76X11	0.0	24.2	CS2	Z	0	0	75	20	60	230	C		1	1	1
EA76X11	0.0	26.2	CS2	Z	0	0	60	180	60	230	C		1	1	1
EA76X11	0.0	32.4	CS2	Z	0	0	80	20	70	230	C		1	1	1
EA76X11	0.0	35.5	CS2	Z	C	0	60	135	70	230	C		1	1	1
EA76X11	0.0	35.9	CS2	Z	C	0	40	230	70	230	C		1	1	1
EA76X11	0.0	36.7	CS2	Z	0	0	30	135	70	230	C		1	1	1
EA76X11	0.0	37.1	CS2	Z	0	0	30	135	70	230	C		1	1	1
EA76X11	0.0	38.5	CS2	Z	0	0	75	135	65	230	C		1	1	1
EA76X11	0.0	39.3	CS2	Z	0	0	70	0	60	230	C		1	1	1
EA76X11	0.0	42.4	CS2		0	0	50	0	70	230	C		1	1	1
EA76X11	0.0	48.1	PS1		0	0	0	0	50	230	C		1	1	1
EA76X11	0.0	65.8	CS2	Z	0	0	60	180	70	230	C		1	1	1
EA76X11	0.0	66.2	CS2		0	0	15	180	70	230	C		1	1	1
EA76X11	0.0	66.7	CS2	Z	0	0	60	180	70	230	C		1	1	1
EA76X11	0.0	67.9	CS2	Z	0	0	0	180	70	230	C		1	1	1
EA76X11	0.0	69.4	CS2	Z	0	0	60	180	60	230	C		1	1	1
EA76X11	0.0	76.6	CS2	S	0	0	40	0	65	230	C		1	1	1
EA76X11	0.0	86.1	CS2	S	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	95.7	CS2	Z	0	0	70	220	70	230	C		1	1	1
EA76X11	0.0	97.5	CS2	Z	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	102.7	CS2	Z	0	0	60	135	60	230	C		1	1	1
EA76X11	0.0	114.3	CS2	Z	0	0	70	150	70	230	C		1	1	1
EA76X11	0.0	119.7	CS2		0	0	50	C	60	230	C		1	1	1
EA76X11	0.0	128.9	CS2	Z	0	0	70	C	60	230	C		1	1	1
EA76X11	0.0	131.0	CS2	E	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	137.1	CS2		0	0	50	C	70	230	C		1	1	1
EA76X11	0.0	145.8	CS2	3	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	151.4	CS2	Z	0	0	80	C	70	230	C		1	1	1
EA76X11	0.0	159.4	CS2	Z	0	0	80	C	70	230	C		1	1	1
EA76X11	0.0	173.4	CS2		0	0	60	C	80	230	C		1	1	1
EA76X11	0.0	178.9	CS2		0	0	30	C	70	230	C		1	1	1
EA76X11	0.0	183.1	CS2		0	0	55	C	60	230	C		1	1	1
EA76X11	0.0	193.8	CS2		0	0	0	0	80	230	C		1	1	1
EA76X11	0.0	196.2	CS2		0	0	60	C	80	230	C		1	1	1
EA76X11	0.0	202.6	CS2		0	0	30	C	70	230	C		1	1	1
EA76X11	0.0	211.2	CS2		0	0	70	0	85	230	C		1	1	1
EA76X11	0.0	217.7	CS2		0	0	40	C	70	230	C		1	1	1
EA76X11	0.0	223.7	CS2		0	0	60	C	70	230	C		1	1	1
EA76X11	0.0	232.5	CS2		0	0	50	310	65	230	C		1	1	1
EA76X11	0.0	236.5	CS2	Z	0	0	0	C	70	230	C		1	1	1
EA76X11	0.0	237.8	CS2	Z	0	0	85	30	65	230	C		1	1	1
EA76X11	0.0	245.8	CS2	Z	0	0	60	0	50	230	C		1	1	1
EA76X11	0.0	252.6	CS2	Z	0	0	0	C	65	230	C		1	1	1
EA76X11	0.0	260.2	CS2		0	0	40	0	75	230	C		1	1	1
EA76X11	0.0	265.9	CS2	Z	0	0	50	50	65	230	C		1	1	1
EA76X11	0.0	271.5	CS2	Z	0	0	70	0	85	230	C		1	1	1

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 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	PRCESS
EA76X11	0.0	275.2	CS2	3	0	0	0	0	85	230	C		1	1	1
EA76X11	0.0	275.8	CS2		0	0	40	0	85	230	C		1	1	1
EA76X11	0.0	277.6	CS2	Z	0	0	50	180	65	230	C		1	1	1
EA76X11	0.0	284.3	CS2	Z	0	0	60	180	65	230	C		1	1	1
EA76X11	0.0	290.3	CS2		0	0	0	0	90	230	C		1	1	1
EA76X11	0.0	298.0	CS2	Z	0	0	40	180	75	230	C		1	1	1
EA76X11	0.0	301.8	CS2	Z	0	0	70	250	70	230	0		1	1	1
EA76X11	0.0	306.4	CS2	Z	0	0	70	180	80	230	0		1	1	1
EA76X11	0.0	313.9	CS2	S	0	0	50	0	70	230	0		1	1	1
EA76X11	0.0	321.8	CS2		0	0	20	270	80	230	C		1	1	1
EA76X11	0.0	328.5	CS2	D	0	0	0	0	80	230	C		1	1	1
EA76X11	0.0	335.8	CS2	Z	0	0	80	0	65	230	C		1	1	1
EA76X11	0.0	342.2	CS2	Z	0	0	70	180	75	230	0		1	1	1
EA76X11	0.0	351.1	CS2	Z	0	0	80	0	70	230	C		1	1	1
EA76X11	0.0	359.0	CS2	Z	0	0	70	180	80	230	0		1	1	1
EA76X11	0.0	359.8	CS2	Z	0	0	50	180	70	230	0		1	1	1
EA76X11	0.0	366.3	CS2	S	0	0	10	0	80	230	C		1	1	1
EA76X11	0.0	373.3	CS2	Z	0	0	40	130	70	230	0		1	1	1
EA76X11	0.0	381.3	CS2	D	0	0	0	0	80	230	C		1	1	1
EA76X11	0.0	386.7	CS2	S	0	0	50	0	80	230	0		1	1	1
EA76X11	0.0	391.2	CS2		0	0	0	0	80	230	0		1	1	1
EA76X11	0.0	396.8	CS2	Z	0	0	50	220	75	230	0		1	1	1
EA76X11	0.0	402.9	CS2	Z	0	0	65	200	70	230	C		1	1	1
EA76X11	0.0	416.6	CS2	Z	0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	425.5	CS2	S	0	0	50	0	85	230	0		1	1	1
EA76X11	0.0	437.5	CS2	Z	0	0	75	200	70	230	C		1	1	1
EA76X11	0.0	444.0	CS2	Z	0	0	80	180	80	230	C		1	1	1
EA76X11	0.0	449.5	CS2	D	0	0	0	0	80	230	0		1	1	1
EA76X11	0.0	452.3	CS2	Z	0	0	70	180	70	230	0		1	1	1
EA76X11	0.0	459.6	CS2	S	0	0	60	0	80	230	0		1	1	1
EA76X11	0.0	465.1	CS2	D	0	0	0	0	70	230	0		1	1	1
EA76X11	0.0	473.3	CS2	S	0	0	0	0	65	230	0		1	1	1
EA76X11	0.0	479.4	CS2	Z	0	0	0	0	65	230	0		1	1	1
EA76X11	0.0	485.8	CS2	Z	0	0	70	180	70	230	0		1	1	1
EA76X11	0.0	494.8	CS2	Z	0	0	50	180	80	230	0		1	1	1
EA76X11	0.0	502.3	PS2		0	0	0	0	70	230	C		1	1	1
EA76X11	0.0	510.8	CS2	Z	0	0	70	180	85	230	C		1	1	1
EA76X11	0.0	517.2	CS2	Z	0	0	70	180	70	230	0		1	1	1
EA76X11	0.0	525.7	CS2	Z	0	0	80	180	80	230	C		1	1	1
EA76X11	0.0	536.1	CS2	Z	0	0	0	0	80	230	C		1	1	1
EA76X11	0.0	541.3	CS2	Z	0	0	0	0	80	230	0		1	1	1
EA76X11	0.0	548.3	CS2	Z	0	0	0	0	75	230	0		1	1	1
EA76X11	0.0	555.9	CS2	S	0	0	0	0	75	230	0		1	1	1
EA76X11	0.0	562.0	CS2	D	0	0	0	0	70	230	0		1	1	1
EA76X11	0.0	572.1	CS2		0	0	0	0	75	230	C		1	1	1
EA76X11	0.0	575.7	CS2	S	0	0	50	0	80	230	C		1	1	1
EA76X11	0.0	581.7	CS2	S	0	0	70	0	80	230	C		1	1	1
EA76X11	0.0	588.5	CS2		0	0	0	0	85	230	C		1	1	1
EA76X11	0.0	594.0	CS2	S	0	0	50	60	80	230	C		1	1	1
EA76X11	0.0	601.3	CS2	Z	0	0	60	180	80	230	0		1	1	1
EA76X11	0.0	609.9	CS2	Z	0	0	40	180	80	230	0		1	1	1

GDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHCC	SDC	PROCESS
EA76X11	0.C	618.4	CS2	Z	0	0	0	0	45	230	C		1	1	1
EA76X11	0.0	624.8	CS2	Z	0	0	60	180	70	230	C		1	1	1
EA76X11	0.0	629.7	CS2	Z	0	0	0	0	75	230	C		1	1	1
EA76X11	0.0	640.0	CS2		0	0	0	C	70	230	C		1	1	1
EA76X11	0.C	647.8	CS2		0	C	0	C	70	230	C		1	1	1
EA76X11	0.C	655.3	CS2		0	0	0	C	80	230	C		1	1	1
EA76X11	0.C	661.4	CS2		0	0	C	C	70	230	C		1	1	1
EA76X11	0.C	670.5	CS2		C	C	0	0	90	230	C		1	1	1
EA76X11	0.0	678.1	CS2	S	0	0	40	0	60	230	C		1	1	1
EA76X11	0.0	685.8	CS2	S	C	C	40	C	70	230	C		1	1	1
EA76X11	0.C	694.3	CS2		0	0	0	C	70	230	C		1	1	1
EA76X11	0.C	700.5	CS2	Z	0	0	0	0	50	230	C		1	1	1
EA76X11	0.C	707.7	CS2	Z	0	0	40	C	70	230	C		1	1	1
EA76X11	0.C	715.6	CS2	S	0	0	0	C	80	230	C		1	1	1
EA76X11	0.C	723.5	CS2		0	0	0	C	70	230	C		1	1	1
EA76X11	0.C	731.5	PS2		0	0	0	0	70	230	C		1	1	1

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DOWN-HOLE FAULTS (DHC20)

PAGE: 7

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT REC CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD
EA76X11	462.8	464.8	G		0	0	0	99 999 1
EA76X11	664.0	683.9	1JQ		0	0	0	0 0 1
EA76X11	689.7	694.3	GR		0	0	0	0 0 1
EA76X11	710.4	712.3	G		0	0	0	0 0 1
EA76X11	729.7	732.7	1JQ		0	0	0	0 0 1

18FE384 GRUM

DOWN-HOLE SPLINES (DHO2C)

PAGE: 8

DDH: EA76X11 UTM-N: 904,375.0 UTM-E: 591,980.0 UTM-ELEV: 1,278.0 TOTAL DEPTH: 732.7 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

EA76X11	1	2
EA76X11	2	2
EA76X11	3	2
EA76X11	4	2
EA76X11	5	2
EA76X11	6	2
EA76X11	7	2
EA76X11	8	2
EA76X11	9	2
EA76X11	10	2
EA76X11	11	1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:02:15

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

**EA76X11**

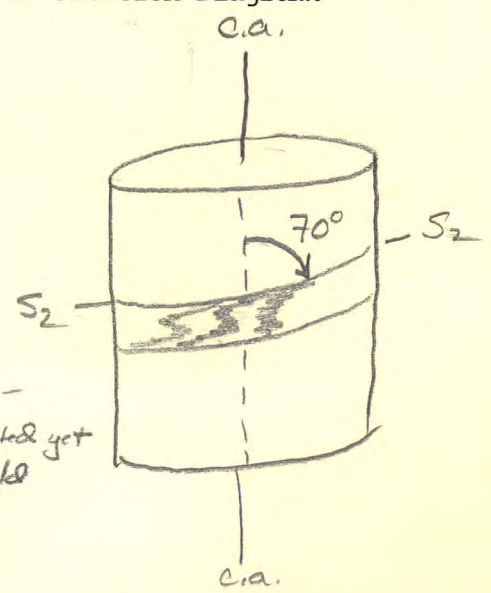
Hole Number: 76 X 11

Fabric Orientation Diagram:

Project: ANVIL

Location: VANGORDA PLATEAU

Claim: SUN 23



**UTM** ~~Terr. Plane~~  
 Co-ords.:  
*measured from 1:5000 1979 HIW Orthophoto base map*

6904375.0 N

591980.0 E

} approx -  
not located yet  
in field

Grid Co-ords.: L68E 19S AEX/KA  
Grid

All symmetry determinations looking

Elevation: ≈ 1278m. 1278  
≈ 4200' (MSL)

NW with S<sub>2</sub> dipping

SW with dip azimuth 215°

Total Depth: 2404' 732.7m.

LOCAL S<sub>2</sub> IS  
JPF 13/4/77. 35 125

Purpose: TO TEST DOWNDIP GRUM STRATIGRAPHY

Logged by: JENNINGS / STAMMERS

Date(s) Logged: AUGUST 1976

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

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



Code	From	To	Unit	Code	Description
L	10 14 16	20 22 23	25 27		
L	0 0	5 0	1	#	Overburden
L	5 0	1 5 8	2	5B2	@125-129 → 4F2, minor equant pyrite pophls
L	1 5 8	2 0 2 5	3	5C3	→ 5C378, mod calcareous metabasite w/ mottled texture (finely mottled); possibly some relict igneous phases.
L	2 0 2 5	7 4 1 8	4	5B2	5E2 @ : 348-376 and @ 485.5-487.9 and @ 546-571.7 5C38 @ : 399-400 and @ 406.6-407.3
L	7 4 1 8	7 4 3 5	5	5C3	→ 5C38; all metabasites seen are calcareous, finely mottled chloritic, lt. olive green
L	7 4 3 5	8 9 2 0	6	5B2	@ 789.5 - unit becoming <u>less calcareous</u> & possibly more carbonaceous @ 800-801.5 = 5C8 w/ much manapsite - fuchsite
L	8 9 2 0	9 0 5 0	7	5C3	→ 5C378
L	9 0 5 0	9 1 1 0	8	5B2	→ 5B29; "ribbon banded graphitic po. bearing carbonates" Looks lth 4A0, except calcareous but non-siliceous
L	9 1 1 0	9 7 7 0	9	5C3	→ 5C378
L	9 7 7 0	1 0 0 9 3	10	5B2	as unit 6, <u>less calcareous</u> , more carbonaceous than upper part of DDH.
L	1 0 0 9 3	1 0 4 4 0	11	5B2	more calcareous than unit 10, relatively less carbon, unit of # 254
L	1 0 4 4 0	1 0 8 4 0	12	5A3	→ 5A39; pyrite bearing, unit looks lth wtdly developed pyritic ribbon banded graphitic gztite (ie 4A0) only white sulfide bearing bands are siliceous and calcareous, no base metal sulfides
L	1 0 8 4 0	1 1 3 2 0	13	5A1	→ 5A13; @ 1084-1093 wtdly calcareous, wtdly banded w/ xlline, non-laminarily banded graphitic phyllite Unit distinguished by texturally even appearance and absence of laminae banding; upper portion calcareous, lower unit siliceous and non calcareous
L	1 1 3 2 0	1 1 5 7 0	14	5A0	patchy and weakly calcareous, dominant 5A0
L	1 1 5 7 0	1 1 6 2 0	15	5C8	broken rubble, non-calcareous, lt beige-olive green, wtdly mottled
L	1 1 6 2 0	1 2 0 9 0	16	5A9	Interbanded 5A0 and 5A9 where 5A9 ≡ 2A0; cherty exhalite bands, non base metal bearing; pyrrhotite bearing, non-pyritic, non-calcareous siliceous, this unit and similar ones denoted ≡ margin of Gram
L	1 2 0 9 0	1 2 3 4 8	17	5C3	→ 5C378, unit shows gradational contact w/ 5A0 over 6" interval lower contact sharp and readily conformable to S
L	1 2 3 4 8	1 9 4 9 0	18	5A0	→ 5A9; unit ≡ Gram graphitic-phyllite horizon, shows sporadic development of sulfide bearing graphitic gztites, cherty exhalite layers contain pyrite as the sole sulfide from 1234.8-1368; from 1368-1949: cherty exhalite layers contain dominantly

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16	20 22 23	25 27		pyrrhotite w/ subordinate pyrite or entirely pyrrhotite, unit appears to become slightly more siliceous towards base
L	19,490	19,575	19	5A3	Siliceous, po-bearing; cherty exhalate bands gone; numerous carbonate-rich bands thru interval
L	19,575	19,855	20	5B7	→ 5B73; non-graphitic, lt grey-green, bro-musc-chlor phyllite w/ calcareous-epidote-clino-amphibole-rich bands alternating w/ med grey-green chloritic phyllites showing clino-amph rosettes
L	19,855	20,845	21	3G0	→ 3G9; c.f. unit 13; @ 1985.5-2010 unit contains 1/2" - 3" calcareous bands of 3G9; remainder of unit is non-calcareous lt grey, markedly siliceous (3G0)
L	20,845	20,868	22	3D1	→ 3D31; lt olive green, w/ fine ankerite-carbonate mottles
L	20,868	21,060	23	3G0	as unit 21
L	21,060	21,140	24	3D1	→ 3D31; as unit 22, unmettled, unit shows lensoid ankerite banding
L	21,140	21,260	25	3D8	→ 3D89
L	21,260	21,320	26	3D1	→ 3D31
L	21,320	21,645	27	3D8	→ 3D89; as unit 25
L	21,645	21,690	28	3D1	→ 3D18; origin of 3D18 units uncertain; maybe calcareous stuffs or dolomite-pelite mixtures
L	21,690	21,785	29	3D4	unit closely resembles, calc-silicate unit 3D4; non carbonaceous characterized by predominance of purplish-brown brotite.
L	21,785	22,440	30	3D8	→ 3D89; as units 25 & 27; these units think to laminae banded, alternated lt grey calcareous, brown brotite rich and dk brown-grey graphite bands; entire interval characterized by post D <sub>2</sub> carbonate filled hairline fractures; 2086.8-2244 is sensibly the same unit & is of but not identical to calc-silicate
L	2,24,40	2,2,52,5	3,1	3E1	1' calcareous band @ 2250-2251
L	2,2,5,25	2,2,6,28	3,2	3B,0	unit is lt olive green, banded, calcareous, chlorite phyllite origin unknown, characterized by cherty-calcareous banding
L	2,2,6,28	2,2,7,80	3,3	3E,1	mostly gouge and rubble, non-calcareous, strongly graphitic no sulfides
L	2,2,7,80	2,3,0,76	3,4	3D,8	as unit 30; and interval 2086.6-2244; this unit is not identical to calcareous phyllites overlying Green graphitic phyllite



*F<sub>2</sub>* Structural Log

Code	From				To				Feature	S <sub>1</sub> Dip Direct.	S <sub>2</sub>		Description	
	10	14	16	20	22	24	26	28			32	34		38
S					6.0			CSZ	Z			7.0	215	
S					6.3			CSZ	Z	8.0	215	7.0	215	ac & 0° South = S <sub>1</sub> and S <sub>2</sub> intersection
S					7.1			CSZ	Z	7.0	215	6.0	215	ac & 0° South "
S					7.9	5		CSZ	Z	7.5	235	6.0	215	ac & 20° SW "
S					8.6	0		CSZ	Z	6.0	035	6.0	215	ac & 0° North "
S					10.6	5		CSZ	Z	8.0	235	7.0	215	ac & 20° SW "
S					11.6	5		CSZ	Z	6.0	350	7.0	215	ac & 45 NW "
S					11.8	0		CSZ	Z	4.0	085	7.0	215	ac & 50 NE "
S					12.0	5		CSZ	Z	3.0	350	7.0	215	ac & 45 NW "
S					12.2	0		CSZ	Z	3.0	350	7.0	215	ac & 45 NW "
S					12.6	5		CSZ	Z	7.5	350	6.5	215	ac & 45 NW "
S					12.9	0		CSZ	Z	7.0	215	6.0	215	ac & 0° S
S					13.9	3		CSZ	Z	5.0	215	7.0	215	ac & 0° S ; first phase hinge noted w/ axis nearly coaxial to F <sub>2</sub> hinges, F <sub>1</sub> plunges north west @ 5° and is normal to S <sub>2</sub> dip azimuth and shows Z-symmetry NW and implies 1st phase antiform to the north.
S					15.8	0		RS1				5.0	215	top of metabasite conformable to S <sub>2</sub> ; attitude of base of mb. uncertain @ 202.5; probably conformable to S <sub>2</sub>
S					21.6	0		CSZ	Z	6.0	035	7.0	215	a.c. & 0° North
S					21.9	0		CSZ	Z	6.0	035	7.0	215	a.c. & 0° North
S					21.7	4		F1		1.5	035	7.0	215	a.c. & 0° N; F <sub>1</sub> Plunge ≈ 10° NW, nearly coaxial w/ S <sub>2</sub> Z symm. to NW implies antiform to the north
S					22.3	0		CSZ	Z	6.0		7.0	215	a.c. & N20E; <u>NB: only Z regions are recorded for computer plotting; remainder of hole D<sub>2</sub> → S symmetry</u>
S					22.8	0		CSZ	Z	6.0	035	6.0	215	a.c. & ; 0° N ;
S					25.1	5		CSZ	Z	4.0	215	6.5	215	a.c. & 0° S ; F <sub>1</sub> seen w/ 5° NW plunge nearly coaxial to F <sub>2</sub> , F <sub>2</sub> = S symm. looking NW indicating an antiform to the South
S					28.2	5		CSZ	Z			7.0	215	
S					31.4	0		CSZ	Z	7.0	075	7.0	215	a.c. & N40E ; interval 228-314 is largely a second phase S region.
S					32.0	0		CSZ	Z			7.0	215	
S					33.7	0		CSZ	Z	6.0	350	6.0	215	a.c. & N45W



DDH 76X11  
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Logged By: MAS / PJS

Code	From		To		Feature	SYE	S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	
1	22	24	26	28	32	34	38				
S			933	0	CS2	Z	60	035	85	215	ac $\neq$ 0°N ; this local zone of Z: 929-934 in metabasite w/ horizontal S <sub>2</sub>
S			952	5	CS2				90		Interval 934-975: horizontal S <sub>2</sub>
S			978	0	CS2	Z	40	035	75	215	ac $\neq$ 0°N
S			990	0	CS2	Z	70	105	70	215	ac $\neq$ N0E; Z region 978-990
S			1005	5	CS2	Z	70	035	80	215	ac $\neq$ 0°N
S			1030	0	CS2	S	50	215	70	215	ac $\neq$ 0°S
S			1056	0	CS2		20		80	215	ac S <sub>1</sub> dips due E from S <sub>2</sub>
S			1078	0	CS2				80	215	F <sub>2</sub> down S <sub>2</sub> dip, no symm possible
S			1102	0	CS2	Z	80	215	65	215	ac $\neq$ 0°S
S			1123	0	CS2	Z	70	035	75	215	ac $\neq$ 0°N
S			1152	0	CS2	Z	80	215	70	215	ac $\neq$ 0°S; (F <sub>1</sub> folds have axial trend normal
S			1178	0	CS2	Z	70	035	80	215	<sup>↑</sup> to S <sub>2</sub> dip; plunge 10°NW) 0°N ac $\neq$ 0°N
S			1180	5	CS2	Z	50	035	70	215	ac $\neq$ 0°N; large Z @ 1179-1182
S			1202	0	CS2	S	10	215	80	215	ac $\neq$ 0°S
S			1225	0	CS2	Z	40	345	70	215	ac $\neq$ N50W
S			1251	0	CS2				80	215	F <sub>2</sub> down S <sub>2</sub> dip
S			1269	0	CS2	S	50	215	80	215	ac $\neq$ 0°S
S			1283	5	CS2				80	215	F <sub>2</sub> down S <sub>2</sub> dip
S			1302	0	CS2	Z	50	075	75	215	ac $\neq$ N40E
S			1322	0	CS2	Z	65	055	70	215	
S			1367	0	CS2	Z			70	215	
S			1396	0	CS2	S	50	215	85	215	ac $\neq$ 0°S
S			1435	5	CS2	Z	75		70	215	ac $\neq$ N20E
S			1457	0	CS2	Z	80	035	80	215	ac $\neq$ 0°N
S			1475	0	CS2				80	215	F <sub>2</sub> down S <sub>2</sub> dip
S			1484	0	CS2	Z	70	035	70	215	ac $\neq$ 0°N
S			1508	0	CS2	S	60	215	80	215	ac $\neq$ 0°S
S	1518	5	1525	0	W						lower contact of gouge 80 = S <sub>2</sub> , top indetermined
S			1526	0	CS2				70	215	; F <sub>2</sub> down S <sub>2</sub> dip
S			1553	0	CS2	S			65	215	
S			1573	0	CS2	Z			65	215	CS2 intensely developed; no reliable S <sub>1</sub>
S			1594	0	CS2	Z	70	035	70	215	ac $\neq$ 0°N
S			1623	5	CS2	Z	50	035	80	215	ac $\neq$ 0°N
S			1648	0	PS2				70		
S			1676	0	CS2	Z	70	035	85	215	ac $\neq$ 0°N

DDH 76X11  
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Cyprus Anvil Mining Corp.

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Structural Log

Logged By: MAS/DSS

Code	From		To		Feature	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S			1,697	0	CS2Z	7.0	0.35	7.0	2.15			ac $\neq$ 0°N
S			1,725	0	CS2Z	8.0	0.35	8.0	2.15			ac $\neq$ 0°N
S			1,759	0	CS2Z			8.0	2.15			
S			1,776	0	CS2Z			8.0	2.15			
S			1,799	0	CS2Z			7.5	2.15			CS2 strong
S			1,824	0	CS2S			7.5	2.15			
S			1,844	0	CS2			7.0	2.15			F <sub>2</sub> down S <sub>2</sub> dip.
S			1,877	0	CS2			7.5	2.15			→PS2
S			1,889	0	CS2S	5.0	2.15	8.0	2.15			ac $\neq$ 0°S
S			1,908	5	CS2S	7.0	2.15	8.0	2.15			ac $\neq$ 0°S
S			1,931	0	CS2			8.5	2.15			→PS2, no F <sub>2</sub> symm
S			1,949	0	CS2S	5.0	2.75	8.0	2.15			ac $\neq$ S60W
S			1,973	0	CS2Z	6.0	0.35	8.0	2.15			ac $\neq$ 0°N
S			2,001	0	CS2Z	4.0	0.35	8.0	2.15			ac $\neq$ 0°N
S			2,029	0	CS2Z			4.5	2.15			
S			2,050	0	CS2Z	6.0	0.35	7.0	2.15			ac $\neq$ 0°N
S			2,066	0	CS2Z			7.5	2.15			no S <sub>1</sub> reliable
S			2,100	0	CS2			7.0	2.15			no S <sub>1</sub> or F <sub>2</sub>
S			2,125	5	CS2	5.0		7.0	2.15			no S <sub>1</sub> or F <sub>2</sub>
S			2,150	0	CS2			8.0				
S			2,170	0	CS2			7.0				
S			2,200	0	CS2			9.0				
S			2,225	0	CS2S	4.0	2.15	6.0	2.15			ac $\neq$ 0°S
S			2,250	0	CS2S	4.0	2.15	7.0	2.15			ac $\neq$ 0°S
S			2,278	0	CS2			7.0	2.15			
S			2,298	5	CS2Z			5.0	2.15			
S			2,322	0	CS2Z	4.0		7.0	2.15			ac $\neq$ 0°S
S	2,331	2	2,337	0	W							fault gouge, contacts indeterminate
S			2,348	0	CS2S			8.0	2.15			
S			2,374	0	CS2			7.0	2.15			→PS2
S			2,400	0	PS2			7.0	2.15			

DDH 76X11  
2 8

Cyprus Anvil Mining Corp.  
Geochemical Log (Sampler's Copy)

Page 1 of     

Logged By:     

Sampled By: XT & ME

Code	From	To	Sample No.	Description	
1	10	14	16	22	27
P	1500	1700	1713		
P	1700	1900	1715		
P	1900	1100	1717		
P	1100	1300	1719		
P	1300	1500	1721		
P	1500	1580	1723		
P	1580	1780	1724		
P	1780	1980	1726		
P	1980	2025	1728		
P	2025	2225	1729		
P	2225	2420	1731		
P	2420	2620	1733		
P	2620	2820	1735		
P	2820	3020	1737		
P	3020	3220	1739		
P	3220	3420	1741		
P	3420	3620	1743		
P	3620	3820	1745		
P	3820	4020	1747		
P	4020	4220	1749		
P	4220	4420	1750		
P	4420	4620	1751		
P	4620	4820	1752		
P	4820	5020	1753		
P	5020	5220	1754		
P	5220	5420	1755		
P	5420	5620	1756		
P	5620	5820	1757		
P	5820	6020	1758		
P	6020	6220	1759		
P	6220	6420	1760		
P	6420	6620	1761		
P	6620	6820	1762		
P	6820	7020	1763		
P	7020	7220	1764		
P	7220	7420	1765		

DDH 76X11  
2 8

Cyprus Anvil Mining Corp.  
Geochemical Log (Sampler's Copy)

Page 2 of \_\_\_\_\_  
Logged By: \_\_\_\_\_  
Sampled By: CXT

Code	From	To	Sample No.	Description
	10	14	16	20 22 27
P	7415	7435	11766	
P	7435	7635	11767	
P	7635	7835	11768	
P	7835	8000	11769	
P	8000	8010	11770	
P	8010	8210	11771	
P	8210	8410	11772	
P	8410	8610	11773	
P	8610	8810	11774	
P	8810	8915	11775	
P	8915	8930	11776	
P	8930	9050	11777	
P	9050	9110	11778	
P	9110	9310	11779	
P	9310	9510	11780	
P	9510	9630	11781	
P	9630	9770	11782	
P	9770	9970	11783	
P	9970	10170	11784	
P	10170	10370	11785	
P	10370	10440	11786	
P	10440	10640	11787	
P	10640	10840	11788	
P	10840	11040	11789	
P	11040	11240	11790	
P	11240	11320	11791	
P	11320	11450	11792	
P	11450	11570	11793	
P	11570	11620	11794	
P	11620	11820	11795	
P	11820	11970	11796	
P	11970	12090	11797	
P	12090	12220	11798	
P	12220	12350	11799	
P	12350	12550	11800	
P	12550	1275	103258	





CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

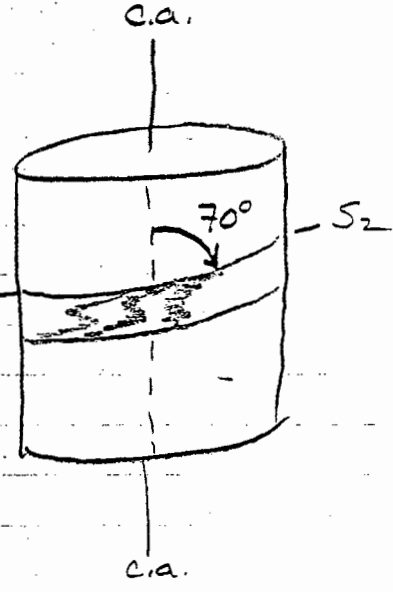
EA76X11

Hole Number: 76X 11

Fabric Orientation Diagram:

Project: ANVIL

Location: VANGORDA PLATEAU



Claim: SUN 23

ATM Terr. Plane  
used from  
1973 HIW  
photo base map

Co-ords.: 6904375.0 N

591980.0 E

} approx -  
not located yet  
in field

Grid Co-ords.: L68E 19S AEX/KA  
Grid

All symmetry determinations looking

Elevation: ≈ 1278m. 1278  
≈ 4200' (MSL)

NW with S<sub>2</sub> dipping  
SW with dip azimuth 215°

Total Depth: 2404 732.7m.

LOCAL S<sub>2</sub> IS  
JPF 13/4/77. 35 125

Purpose: TO TEST DOWNDIP GRUM STRATIGRAPHY

Logged by: JENNINGS / STAMMERS

Date(s) Logged: AUGUST 1976

Drilling Contractor: ARCTIC

Core:	Size	From	To	Collar Cased and Capped:

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 29	22 23 25 27			
L	0 0	5 0	1	#	Overburden
L	5 0	1 58 0	2	5B2	@ 125-129 → 4F2, minor equant pyrite po. plus
L	1 58 0	2 0 2 5	3	5C3	→ 5C378; mod calcareous metabasite w/ mottled texture (fine mottled); possibly some relict igneous phases.
L	2 0 2 5	7 4 1 8	4	5B2	5E2 @ : 348-376 and @ 485.5-487.9 and @ 546-571.7 5C38 @ : 399-400 and @ 406.6-407.3
L	7 4 1 8	7 4 3 5	5	5C3	→ 5C38; all metabasites seen are calcareous, finely mottled, light olive green
L	7 4 3 5	8 9 2 0	6	5B2	@ 789.5 - unit becoming less calcareous & possibly more carbonaceous @ 800-801.5 = 5C8 w/ much manganese - fresh
L	8 9 2 0	9 0 5 0	7	5C3	→ 5C378
L	9 0 5 0	9 1 1 0	8	5B2	→ 5B29; ribbon banded graphitic po. bearing carbonates. Looks like 4A0, except calcareous but non-siliceous
L	9 1 1 0	9 7 7 0	9	5C3	→ 5C378
L	9 7 7 0	1 0 0 9 3	10	5B2	as unit 6, less calcareous, more carbonaceous than upper part of DDH.
L	1 0 0 9 3	1 0 4 4 0	11	5B2	more calcareous than unit 10, relatively less carbon, unit cut 2-4
L	1 0 4 4 0	1 0 8 4 0	12	5A3	→ 5A39; pyrite bearing, unit looks like unit 4 with developed pyrite. Ribbon banded graphitic Qtzite (ie 4A0) with siliceous, sulfid bearing bands in siliceous and calcareous. No basal metal sulfides
L	1 0 8 4 0	1 1 3 2 0	13	5A1	→ 5A13; @ 1084-1093 w/ calcareous, w/ly banded w/ x-line, non-laminarily banded graphitic phylite. Unit distinguished by texturally even appearance and absence of laminae banding; upper portion calcareous, lower unit siliceous and non-calcareous.
L	1 1 3 2 0	1 1 5 7 0	14	5A0	patchy and weakly calcareous, dense and 5A0
L	1 1 5 7 0	1 1 6 2 0	15	5C8	broken rubble, non-calcareous, light beige-olive green, fine mottled
L	1 1 6 2 0	1 2 0 9 0	16	5A9	Interbanded 5A0 and 5A9 where 5A9 ≅ 2A0; cherty, exhibits bands non basal metal bearing; pyrrhotite bearing, non-pyritic, non-calcareous siliceous, this unit and similar ones throughout ≅ margin of Gram
L	1 2 0 9 0	1 2 3 4 8	17	5C3	→ 5C378, unit shows gradational contact w/ 5A0 over 6' interval. Lower contact sharp and broadly conformable to C
L	1 2 3 4 8	1 9 4 9 0	18	5A0	→ 5A9; unit ≅ Gram graphitic-phylitic horizon, shows sporadic development of sulfidic barren graphitic shales, cherty thin layers contain pyrite as the sole sulfide from 1224.2-1368 from 1368-1949; cherty exhibits in some certain directions

Code	From	To	Unit	Code	Description
	10 14 16 20	22 23 25 27			
					pyrochlore w/ subordinate pyrite or entirely pyrochlore, unit appears to become slightly more siliceous towards base
L	19,490	19,575	19	5A3	Siliceous, po-bearing; cherty exhalite bands gone, numerous carbonate-rich bands throughout
L	19,575	19,855	20	5B7 → 5B73	non-graphitic, lt grey-green, bio-hercynite-chlorophyllite w/ calcareous - epidote - clino-amphibole - rich bands alternating w/ med grey-green chloritic phyllite showing clino-amph rosettes
L	19,855	20,845	21	3G0 → 3G9	c.f. unit 13; @ 1985.5 - 2010 unit contains 3" calcareous bands of 3G9; remainder of unit is non-calcareous lt green, markedly siliceous (3G0)
L	20,845	20,868	22	3D1 → 3D31	lt olive green, w/ fine anhedral - carbonate matrix
L	20,868	21,060	23	3G0	as unit 21
L	21,060	21,140	24	3D1 → 3D31	as unit 22, unstratified, unit characterized by alternating banding
L	21,140	21,260	25	3D8 → 3D89	
L	21,260	21,320	26	3D1 → 3D31	
L	21,320	21,645	27	3D8 → 3D89	as unit 25
L	21,645	21,690	28	3D1 → 3D18	origin of 3D18 units uncertain; maybe calcareous or dolomite - pelite mixtures
L	21,690	21,785	29	3D4	unit closely resembles, calc-silicate unit 3D4; non-calcareous characterized by predominance of purplish-brown biotite
L	21,785	22,440	30	3D8 → 3D89	as units 25 & 27; these units thought to be laminar banded, alternated lt grey calcareous, brown biotite and olive brown - grey quartzite bands; entire interval characterized by post D <sub>2</sub> carbonate filled basinal fractures; 2226.0 - 2244.5 is sensibly the same unit & is of but not identical to calc-silicate
L	22,440	22,525	31	3E1	1" calcareous band @ 2250 - 2251
L	22,525	22,628	32	3B0	unit is lt olive green, banded, calcareous, chlorite chert's origin unknown, characterized by chert - calcareous banding
L	22,628	22,780	33	3E1	mostly coarse and rubble, non-calcareous, strongly graphitic - no sulfides
L	22,780	23,076	34	3D8	as unit 30; and interval 2086.6 - 2244; this unit is not identical to calcareous chert's overlies Green graphitic phyllite



*F<sub>1</sub>* Structural Log

Code	From		To		Feature	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S					C.S.2	Z		7.0	2.15			
S					C.S.2	Z	8.0	2.15	7.0	2.15		ac & 0° South = S <sub>1</sub> and S <sub>2</sub> intersection
S					C.S.2	Z	7.0	2.15	6.0	2.15		ac & 0° South "
S					C.S.2	Z	7.5	2.35	6.0	2.15		ac & 20° SW "
S					C.S.2	Z	6.0	0.35	6.0	2.15		ac & 0° North "
S					C.S.2	Z	8.0	2.35	7.0	2.15		ac & 20° SW "
S					C.S.2	Z	6.0	3.50	7.0	2.15		ac & 45 NW "
S					C.S.2	Z	4.0	0.85	7.0	2.15		ac & 50 NE "
S					C.S.2	Z	3.0	3.50	7.0	2.15		ac & 45 NW "
S					C.S.2	Z	3.0	3.50	7.0	2.15		ac & 45 NW "
S					C.S.2	Z	7.5	3.50	6.5	2.15		ac & 45 NW "
S					C.S.2	Z	7.0	2.15	6.0	2.15		ac & 0° S
S					C.S.2	Z	5.0	2.15	7.0	2.15		ac & 0° S ; first phase hinge related w/ axis nearly coaxial to F <sub>2</sub> hinges, F <sub>1</sub> plunge north west @ 5° and is normal to S <sub>2</sub> dip azimuth and shows Z-symmetric NW and implies 1st phase antiform to the north
S					R.S.1				5.0	2.15		top of metabasite conformable to S <sub>2</sub> ; attitude of base of mb. uncertain @ 202.5; probably conformable to S <sub>2</sub>
S					C.S.2	Z	6.0	0.35	7.0	2.15		ac & 40° North
S					C.S.2	Z	6.0	0.35	7.0	2.15		ac & 40° North
S					F.1		1.5	0.35	7.0	2.15		ac & 40° N; F <sub>1</sub> Plunge ≈ 10° NW, nearly coaxial w/ S <sub>2</sub> Z symm. to NW implies antiform to the north
S					C.S.2	Z	6.0		7.0	2.15		ac & N20E; NB: only Z regions are recorded for computer plotting; remainder of hole D <sub>2</sub> → S symmetric
S					C.S.2	Z	6.0	0.35	6.0	2.15		ac & 0° N;
S					C.S.2	Z	4.0	2.15	6.5	2.15		ac & 0° S; F <sub>1</sub> seen w/ 5° NW plunge nearly coaxial to F <sub>2</sub> , F <sub>1</sub> = S symm. looking NW indicating an antiform to the South
S					C.S.2	Z			7.0	2.15		
S					C.S.2	Z	7.0	0.75	7.0	2.15		ac & N40E; interval 228-314 is largely a second phase S region
S					C.S.2	Z			7.0	2.15		
S					C.S.2	Z	6.0	3.50	6.0	2.15		ac & N45W



Code	From		To		Feature	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.		Description	
	10	14	16	20			22	24		26
S				9,3,30	C,S,2	Z 6,0	0,3,5	8,5	2,1,5	ac ≠ 0°N; this local zone of Z: 929-934 in metabasite w/ horizontal S <sub>2</sub>
S				9,5,25	C,S,2			9,0		Interval 934-975: horizontal S <sub>2</sub>
S				9,7,80	C,S,2	Z 4,0	0,3,5	7,5	2,1,5	ac ≠ 0°N
S				9,9,00	C,S,2	Z 7,0	1,0,5	7,0	2,1,5	ac ≠ N70E; Z region 978-990
S				1,0,0,55	C,S,2	Z 7,0	0,3,5	8,0	2,1,5	ac ≠ 0°N
S				1,0,3,00	C,S,2	S 5,0	2,1,5	7,0	2,1,5	ac ≠ 0°S
S				1,0,5,60	C,S,2	2,0		8,0	2,1,5	ac S <sub>1</sub> dips due E from S <sub>2</sub>
S				1,0,7,80	C,S,2			8,0	2,1,5	F <sub>2</sub> down S <sub>2</sub> dip, no symm possible
S				1,1,0,20	C,S,2	Z 8,0	2,1,5	6,5	2,1,5	ac ≠ 0°S
S				1,1,2,30	C,S,2	Z 7,0	0,3,5	7,5	2,1,5	ac ≠ 0°N
S				1,1,5,20	C,S,2	Z 8,0	2,1,5	7,0	2,1,5	ac ≠ 0°S; (F <sub>1</sub> folds have axial trend normal
S				1,1,7,80	C,S,2	Z 7,0	0,3,5	8,0	2,1,5	↑ to S <sub>2</sub> dip; plunge 10NW) 0°N ac ≠ for 1170
S				1,1,8,05	C,S,2	Z 5,0	0,3,5	7,0	2,1,5	ac ≠ 0°N; large Z @ 1179-1182
S				1,2,0,20	C,S,2	S 1,0	2,1,5	8,0	2,1,5	ac ≠ 0°S
S				1,2,2,50	C,S,2	Z 4,0	2,4,5	7,0	2,1,5	ac ≠ N50W
S				1,2,5,10	C,S,2			8,0	2,1,5	F <sub>2</sub> down S <sub>2</sub> dip
S				1,2,6,90	C,S,2	S 5,0	2,1,5	8,0	2,1,5	ac ≠ 0°S
S				1,2,8,35	C,S,2			8,0	2,1,5	F <sub>2</sub> down S <sub>2</sub> dip
S				1,3,0,20	C,S,2	Z 5,0	0,7,5	7,5	2,1,5	ac ≠ N40E
S				1,3,2,20	C,S,2	Z 1,0	0,5,5	7,0	2,1,5	
S				1,3,6,70	C,S,2	Z		7,0	2,1,5	
S				1,3,9,60	C,S,2	S 5,0	2,1,5	8,5	2,1,5	ac ≠ 0°S
S				1,4,3,55	C,S,2	Z 7,5		7,0	2,1,5	ac ≠ N20E
S				1,4,5,70	C,S,2	Z 8,0	0,3,5	8,0	2,1,5	ac ≠ 0°N
S				1,4,7,50	C,S,2			8,0	2,1,5	F <sub>2</sub> down S <sub>2</sub> dip
S				1,4,8,40	C,S,2	Z 7,0	0,3,5	7,0	2,1,5	ac ≠ 0°N
S				1,5,0,80	C,S,2	S 6,0	2,1,5	8,0	2,1,5	ac ≠ 0°S
S	1,5,1,85		1,5,2,50	W						lower contact of gouge 80 = S <sub>2</sub> , top indeter. m.
S			1,5,2,60	C,S,2				7,0	2,1,5	; F <sub>2</sub> down S <sub>2</sub> dip
S			1,5,5,30	C,S,2	S			6,5	2,1,5	
S			1,5,7,30	C,S,2	Z			6,5	2,1,5	C,S,2 intensely developed; no reliable S
S			1,5,9,40	C,S,2	Z 7,0	0,3,5	7,0	2,1,5	ac ≠ 0°N	
S			1,6,2,35	C,S,2	Z 5,0	0,3,5	8,0	2,1,5	ac ≠ 0°N	
S			1,6,4,80	P,S,2				7,0		
S			1,6,7,60	C,S,2	Z 7,0	0,3,5	8,5	2,1,5	ac ≠ 0°N	

DDH 7,6,X,1,1  
2 8

Cyprus Anvil Mining Corp.  
Geochemical Log (Sampler's Copy)

Page 1 of       
Logged By:       
Sampled By: CXT & ME

Code	From			To			Sample No.			Description
	1	10	14	16	20	22	27			
P		15	00		17	00		117113		
P		17	00		19	00		117115		
P		19	00		11	00		117117		
P		11	00		13	00		117119		
P		13	00		15	00		117121		
P		15	00		15	80		117123		
P		15	80		17	80		117124		
P		17	80		19	80		117126		
P		19	80		20	25		117128		
P		20	25		22	25		117129		
P		22	25		24	20		117131		
P		24	20		26	20		117133		
P		26	20		28	20		117135		
P		28	20		30	20		117137		
P		30	20		32	20		117139		
P		32	20		34	20		117141		
P		34	20		36	20		117143		
P		36	20		38	20		117145		
P		38	20		40	20		117147		
P		40	20		42	20		117149		
P		42	20		44	20		117150		
P		44	20		46	20		117151		
P		46	20		48	20		117152		
P		48	20		50	20		117153		
P		50	20		52	20		117154		
P		52	20		54	20		117155		
P		54	20		56	20		117156		
P		56	20		58	20		117157		
P		58	20		60	20		117158		
P		60	20		62	20		117159		
P		62	20		64	20		117160		
P		64	20		66	20		117161		
P		66	20		68	20		117162		
P		68	20		70	20		117163		
P		70	20		72	20		117164		
P		72	20		74	20		117165		

DDH 7.6.X.1.1  
2 8

Cyprus Anvil Mining Corp.  
Geochemical Log (Sampler's Copy)

Page 2 of \_\_\_\_\_  
Logged By: \_\_\_\_\_  
Sampled By: CXT

Code	From	To	Sample No.	Description
	10	14 16	20 22	27
P	7,415	7,435	11,766	
P	7,435	7,635	11,767	
P	7,635	7,835	11,768	
P	7,835	8,000	11,769	
P	8,000	8,010	11,770	
P	8,010	8,210	11,771	
P	8,210	8,410	11,772	
P	8,410	8,610	11,773	
P	8,610	8,810	11,774	
P	8,810	8,915	11,775	
P	8,915	8,930	11,776	
P	8,930	9,050	11,777	
P	9,050	9,110	11,778	
P	9,110	9,310	11,779	
P	9,310	9,510	11,780	
P	9,510	9,630	11,781	
P	9,630	9,770	11,782	
P	9,770	9,970	11,783	
P	9,970	10,170	11,784	
P	10,170	10,370	11,785	
P	10,370	10,440	11,786	
P	10,440	10,640	11,787	
P	10,640	10,840	11,788	
P	10,840	11,040	11,789	
P	11,040	11,240	11,790	
P	11,240	11,320	11,791	
P	11,320	11,450	11,792	
P	11,450	11,570	11,793	
P	11,570	11,620	11,794	
P	11,620	11,820	11,795	
P	11,820	11,970	11,796	
P	11,970	12,090	11,797	
P	12,090	12,220	11,798	
P	12,220	12,350	11,799	
P	12,350	12,550	11,800	
P	12,550	12,75	10,325,8	



FEET

FAULT

DDH EA. 76X11  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From		To		Feature	E S <sub>2</sub>	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14 16	20 22	24 26 28			Dip Direct.	Dip Direct.	Dip Direct.	32 34	38 40	44	
F	21785	22144	0	IND									hairline post D <sub>2</sub> fractures filled by calcite
F	221628	22780	0	GR									mostly gouge & rubble 3E1 strongly graphitic
F	23942	24040	0	IND									unit pervaded by post-D <sub>2</sub> hairline calcite fractures x-cutting S <sub>2</sub>
F	15185	15250	0	Gr						9.9	9.9		gouge lower cut // S <sub>2</sub> upper cut IND
	21331	21337	0	Gr									gouge IND

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA76X11

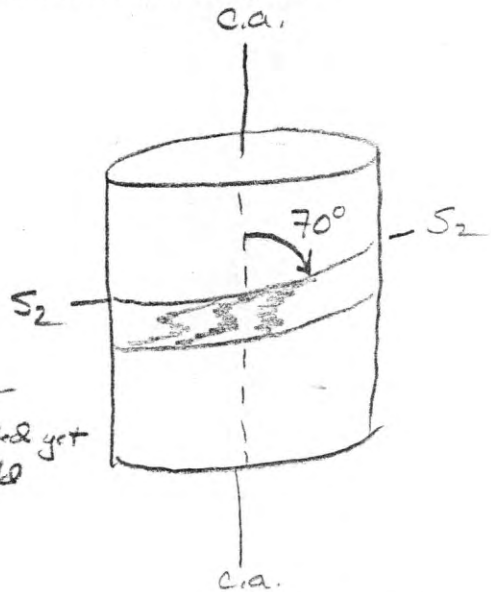
Hole Number: 76 X 11

Fabric Orientation Diagram:

Project: ANVIL

Location: VANGORDA PLATEAU

Claim: SUN 23



UTM Terr. Plane  
 Co-ords.:  
 asured from  
 5000 1975 HIW  
 photo base map

6904375.0 N

591980.0 E

} approx -  
not located yet  
in field

Grid  
Co-ords.: L68E 19S AEX/KA  
Grid

All symmetry determinations looking

Elevation: ≈ 1278m. 1278  
≈ 4200' (MSL)

NW with S<sub>2</sub> dipping  
SW with dip azimuth 215°

Total Depth: 2404 732.7m.

LOCAL S<sub>2</sub> IS  
JPF 13/4/77. 35 125

Purpose: TO TEST DOWNDIP GRUM STRATIGRAPHY

Logged by: JENNINGS / STAMMERS Date(s) Logged: AUGUST 1976

Drilling Contractor: ARCTIC

Core:	Size	From	To	Collar Cased and Capped:

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



Lithologic Log

Code	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L	00	00	50	00	1		#	Overburden
L	50	00	158	00	2	5B2		@125-129 → 4F2, minor equant pyrite porphy
L	158	00	202	50	3	5C3		→ 5C378; mod calcareous metabasite w/ mottled texture (finer mottled); possibly some relict igneous phases.
L	202	50	741	80	4	5B2		5E2 @ : 348-376 and @ 485.5-487.9 and @ 546-571.7 5C38 @ : 397-400 and @ 406.6-407.3
L	741	80	743	35	5	5C3		→ 5C38; all metabasites seen are calcareous, finely mottled lt. olive green
L	743	35	891	20	6	5B2		@ 789.5 - unit becoming <u>less calcareous</u> & possibly more carbonaceous @ 800-801.5 = 5C8 w/ much mangosite - fine sub
L	891	20	905	50	7	5C3		→ 5C378
L	905	00	911	10	8	5B2		→ 5B29; "ribbon banded graphitic po. bearing carbonates" Looks like 4A0, except calcareous but non-siliceous
L	911	10	977	70	9	5C3		→ 5C378
L	977	70	1009	30	10	5B2		as unit 6, <u>less calcareous</u> , more carbonaceous than upper part of IDH.
L	1009	30	1044	40	11	5B2		more calcareous than unit 10, relatively less carbon, unit of # 244
L	1044	40	1084	40	12	5A3		→ 5A39; pyrite bearing, unit looks like wily developed pyrite ribbon banded graphitic gneiss (ie 4A0) calc. siliceous sulfide bearing bands are siliceous and calcareous, no base metal sulfides
L	1084	40	1132	20	13	5A1		→ 5A13; @ 1084-1093 wily calcareous, wily banded w/ x-line, non-tamminally banded graphitic phyllite Unit distinguished by texturally even appearance and absence of laminae banding; upper portion calcareous, lower unit siliceous and non calcareous
L	1132	20	1157	70	14	5A0		patchy and weakly calcareous, dominant 5A0
L	1157	70	1162	20	15	5C8		broken rubble, non-calcareous, lt beige-olive green w/ mottled
L	1162	20	1209	00	16	5A9		Interbanded 5A0 and 5A9 where 5A9 ≅ 2A0, cherty exhibits base metal non base metal bearing; pyrrhotite bearing, non-pyritic, non-calcareous siliceous, this unit and similar ones described ≅ margin of Gram
L	1209	00	1234	80	17	5C3		→ 5C378, unit shows gradational contact w/ 5A0 over 6' interval lower contact sharp and readily conformable to S
L	1234	80	1949	00	18	5A0		→ 5A9; unit ≅ Gram graphitic-phyllite horizon, shows sporadic development of sulfide bearing graphitic gneiss, cherty zones layers contain pyrite as the sole sulfide from 1234.8-1368; from 1368-1949: cherty exhibits layers contain downcast

Code	From	To	Unit	Code	Description
	10 14 16 20	22 23 25 27			
					pyrochlore w/ subordinate pyrite or entirely pyrochlore, unit appears to become slightly more siliceous towards base
L	19,490	19,575	19	5A3	Siliceous, po-bearing; cherty exhalite bands gone, numerous carbonate-rich bands thru interval
L	19,575	19,855	20	5B7 → 5B73	non-graphitic, lt grey-green, bio-musc-chlor phyllite w/ calcareous-epidote-clino-amphibole-rich bands alternating w/ med grey-green chloritic phyllite showing clino-amph rosettes
L	19,855	20,845	21	3G0 → 3G9	cf. unit 13; @ 1985.5-2010 unit contains 1-3" calcareous bands of 3G9; remainder of unit is non-calcareous lt grey, markedly siliceous (3G0)
L	20,845	20,868	22	3D1 → 3D31	lt olive green, w/ fine ankerite-carbonate matrix
L	20,868	21,060	23	3G0	as unit 21
L	21,060	21,140	24	3D1 → 3D31	as unit 22; unmetalled, unit shows lensed interbedding
L	21,140	21,260	25	3D8 → 3D89	
L	21,260	21,320	26	3D1 → 3D31	
L	21,320	21,645	27	3D8 → 3D89	as unit 25
L	21,645	21,690	28	3D1 → 3D18	origin of 3D18 units uncertain; maybe calcareous or dolomite-pelite mixtures
L	21,690	21,785	29	3D4	unit closely resembles, calc-silicate unit 3D4; non-carbonate characterized by predominance of purplish-brown biotite
L	21,785	22,440	30	3D8 → 3D89	as units 25 & 27; these units thought to be laminar banded, alternated lt grey calcareous, brown biotite rich and dk brown-grey graphite bands; entire interval characterized by post D <sub>2</sub> carbonate filled hairline fractures; 2086.6-2244.5 sensibly the same unit & is of but not identical to calc-silicate
L	22,440	22,525	31	3E1	1' calcareous band @ 2250-2251
L	22,525	22,628	32	3B0	unit is lt olive green, banded, calcareous, chlorite phyllite origin unknown, characterized by cherty-calcareous banding
L	22,628	22,780	33	3E1	mostly gouge and rubble, non-calcareous, strongly graphitic no sulfides
L	22,780	23,076	34	3D8	as unit 30; and interval 2086.6-2244; this unit is not identical to calcareous phyllites overlying Green graphitic phyllite



*F<sub>2</sub>* Structural Log

Code	From		To		Feature	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S					C.S.2			7.0		21.5		
S					C.S.2	8.0	21.5	7.0		21.5		ac & 0° South = S <sub>1</sub> and S <sub>2</sub> intersection
S					C.S.2	7.0	21.5	6.0		21.5		ac & 0° South "
S					C.S.2	7.5	23.5	6.0		21.5		ac & 20° SW "
S					C.S.2	6.0	03.5	6.0		21.5		ac & 0° North "
S					C.S.2	8.0	23.5	7.0		21.5		ac & 20° SW "
S					C.S.2	6.0	35.0	7.0		21.5		ac & 45° NW "
S					C.S.2	4.0	08.5	7.0		21.5		ac & 50° NE "
S					C.S.2	3.0	35.0	7.0		21.5		ac & 45° NW "
S					C.S.2	3.0	35.0	7.0		21.5		ac & 45° NW "
S					C.S.2	7.5	35.0	6.5		21.5		ac & 45° NW "
S					C.S.2	7.0	21.5	6.0		21.5		ac & 0° S
S					C.S.2	5.0	21.5	7.0		21.5		ac & 0° S ; first phase hinge rotated w/ axis nearly coaxial to F <sub>2</sub> hinges ; F <sub>1</sub> plunge north west @ 5° and is normal to S <sub>2</sub> dip azimuth and shows Z-symmetry NW and implies 1st phase antiform to the north
S					R.S.1			5.0		21.5		top of metabasite conformable to S <sub>2</sub> ; attitude of base of mb. uncertain @ 202.5 ; probably conformable to S <sub>2</sub>
S					C.S.2	6.0	03.5	7.0		21.5		ac & 0° North
S					C.S.2	6.0	03.5	7.0		21.5		ac & 0° North
S					F <sub>1</sub>	1.5	03.5	7.0		21.5		a.c. & 0° N ; F <sub>1</sub> Plunge ≈ 10° NW, nearly coaxial w/ S <sub>2</sub> Z symm. to NW implies antiform to the north
S					C.S.2	6.0		7.0		21.5		a.c. & N20E ; <u>N.B.</u> : only Z regions are recorded for computer plotting ; remainder of hole D <sub>2</sub> → S symmetry
S					C.S.2	6.0	03.5	6.0		21.5		ac & : 0° N ;
S					C.S.2	4.0	21.5	6.5		21.5		ac & 0° S ; F <sub>1</sub> seen w/ 5° NW plunge nearly coaxial to F <sub>2</sub> ; F <sub>1</sub> = S symm. looking NW indicating an antiform to the South
S					C.S.2			7.0		21.5		
S					C.S.2	7.0	07.5	7.0		21.5		a.c. & N40E ; interval 228-314 is largely a second phase S region
S					C.S.2			7.0		21.5		
S					C.S.2	6.0	35.0	6.0		21.5		a.c. & N45W



Code	From		To		Feature	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S			9,330		C,S,2	Z	6,0	0,35	8,5	2,15		ac ≠ 0°N; this local zone of Z: 929-934 in metabasite w/ horizontal S <sub>2</sub>
S			9,525		C,S,2				9,0			Interval 934-975: horizontal S <sub>2</sub>
S			9,780		C,S,2	Z	4,0	0,35	7,5	2,15		ac ≠ 0°N
S			9,900		C,S,2	Z	7,0	1,05	7,0	2,15		ac ≠ N70E; Z region 978-990
S			1,0055		C,S,2	Z	7,0	0,35	8,0	2,15		ac ≠ 0°N
S			1,0300		C,S,2	S	5,0	2,15	7,0	2,15		ac ≠ 0°S
S			1,0560		C,S,2		2,0		8,0	2,15		ac S <sub>1</sub> dips due E from S <sub>2</sub>
S			1,0780		C,S,2				8,0	2,15		F <sub>2</sub> down S <sub>2</sub> dip, no symm possible
S			1,1020		C,S,2	Z	8,0	2,15	6,5	2,15		ac ≠ 0°S
S			1,1230		C,S,2	Z	7,0	0,35	7,5	2,15		ac ≠ 0°N
S			1,1520		C,S,2	Z	8,0	2,15	7,0	2,15		ac ≠ 0°S; (F <sub>1</sub> folds have axial trend normal
S			1,1780		C,S,2	Z	7,0	0,35	8,0	2,15		↑ to S <sub>2</sub> dip; plunge 10NW) 0°N ac ≠ for 1178
S			1,1805		C,S,2	Z	5,0	0,35	7,0	2,15		ac ≠ 0°N; large Z @ 1179-1182
S			1,2020		C,S,2	S	1,0	2,15	8,0	2,15		ac ≠ 0°S
S			1,2250		C,S,2	Z	4,0	3,45	7,0	2,15		ac ≠ N50W
S			1,2510		C,S,2				8,0	2,15		F <sub>2</sub> down S <sub>2</sub> dip
S			1,2690		C,S,2	S	5,0	2,15	8,0	2,15		ac ≠ 0°S
S			1,2835		C,S,2				8,0	2,15		F <sub>2</sub> down S <sub>2</sub> dip
S			1,3020		C,S,2	Z	5,0	0,75	7,5	2,15		ac ≠ N40E
S			1,3220		C,S,2	Z	1,0	0,55	7,0	2,15		
S			1,3670		C,S,2	Z			7,0	2,15		
S			1,3960		C,S,2	S	5,0	2,15	8,5	2,15		ac ≠ 0°S
S			1,4355		C,S,2	Z	7,5		7,0	2,15		ac ≠ N20E
S			1,4570		C,S,2	Z	8,0	0,35	8,0	2,15		ac ≠ 0°N
S			1,4750		C,S,2				8,0	2,15		F <sub>2</sub> down S <sub>2</sub> dip
S			1,4840		C,S,2	Z	7,0	0,35	7,0	2,15		ac ≠ 0°N
S			1,5080		C,S,2	S	6,0	2,15	8,0	2,15		ac ≠ 0°S
S	1,51,85		1,5,250		W							lower contact of gouge 80 = S <sub>2</sub> , top indeterm
S			1,5,260		C,S,2				7,0	2,15		; F <sub>2</sub> down S <sub>2</sub> dip
S			1,5,530		C,S,2	S			6,5	2,15		
S			1,5,730		C,S,2	Z			6,5	2,15		C,S,2 intensely developed; no reliable S <sub>1</sub>
S			1,5,940		C,S,2	Z	7,0	0,35	7,0	2,15		ac ≠ 0°N
S			1,6,235		C,S,2	Z	5,0	0,35	8,0	2,15		ac ≠ 0°N
S			1,6,480		P,S,2				7,0			
S			1,6,760		C,S,2	Z	7,0	0,35	8,5	2,15		ac ≠ 0°N

Code	From		To		Feature	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.		Description	
	10	14	16	20			22	24		26
S			1,697	0	CS,2	Z 7,0	035	7,0	2115	ac $\neq$ 0°N
S			1,725	0	CS,2	Z 8,0	035	8,0	2115	ac $\neq$ 0°N
S			1,759	0	CS,2	Z		8,0	2115	
S			1,776	0	CS,2	Z		8,0	2115	
S			1,799	0	CS,2	Z		7,5	2115	CS2 strong
S			1,824	0	CS,2	S		7,5	2115	
S			1,844	0	CS,2			7,0	2115	F <sub>2</sub> down S <sub>2</sub> dip.
S			1,877	0	CS,2			7,5	2115	→ PS2
S			1,889	0	CS,2	S 5,0	2115	8,0	2115	ac $\neq$ 0°S
S			1,908	5	CS,2	S 7,0	2115	8,0	2115	ac $\neq$ 0°S
S			1,931	0	CS,2			8,5	2115	→ PS2, no F <sub>2</sub> symm
S			1,949	0	CS,2	S 5,0	2175	8,0	2115	ac $\neq$ S60W
S			1,973	0	CS,2	Z 6,0	035	8,0	2115	ac $\neq$ 0°N
S			2,001	0	CS,2	Z 4,0	035	8,0	2115	ac $\neq$ 0°N
S			2,029	0	CS,2	Z		4,5	2115	
S			2,050	0	CS,2	Z 6,0	035	7,0	2115	ac $\neq$ 0°N
S			2,066	0	CS,2	Z		7,5	2115	no S <sub>1</sub> reliable
S			2,100	0	CS,2			7,0	2115	no S <sub>1</sub> or F <sub>2</sub>
S			2,125	5	CS,2			7,0	2115	no S <sub>1</sub> or F <sub>2</sub>
S			2,150	0	CS,2			8,0		
S			2,170	0	CS,2			7,0		
S			2,200	0	CS,2			9,0		
S			2,225	0	CS,2	S 4,0	2115	6,0	2115	ac $\neq$ 0°S
S			2,250	0	CS,2	S 4,0	2115	7,0	2115	ac $\neq$ 0°S
S			2,278	0	CS,2			7,0	2115	
S			2,298	5	CS,2	Z		5,0	2115	
S			2,322	0	CS,2	Z 4,0		7,0	2115	ac $\neq$ 0°S
S	2,331	2	2,337	0	W					fault gouge, contacts indeterminate
S			2,348	0	CS,2	S		8,0	2115	
S			2,374	0	CS,2			7,0	2115	→ PS2
S			2,400	0	PS2			7,0	2115	

DDH 76.X.1.1  
2 8Cyprus Anvil Mining Corp.  
Geochemical Log (Sampler's Copy)Page 1 of       
Logged By:       
Sampled By: CXT + ME

Code	From	To	Sample No.	Description		
	10	14	16	20	22	27
P	1500	1700			1713	
P	1700	1900			1715	
P	1900	1100			1717	
P	1100	1300			1719	
P	1300	1500			1721	
P	1500	1580			1723	
P	1580	1780			1724	
P	1780	1980			1726	
P	1980	2025			1728	
P	2025	2225			1729	
P	2225	2420			1731	
P	2420	2620			1733	
P	2620	2820			1735	
P	2820	3020			1737	
P	3020	3220			1739	
P	3220	3420			1741	
P	3420	3620			1743	
P	3620	3820			1745	
P	3820	4020			1747	
P	4020	4220			1749	
P	4220	4420			1750	
P	4420	4620			1751	
P	4620	4820			1752	
P	4820	5020			1753	
P	5020	5220			1754	
P	5220	5420			1755	
P	5420	5620			1756	
P	5620	5820			1757	
P	5820	6020			1758	
P	6020	6220			1759	
P	6220	6420			1760	
P	6420	6620			1761	
P	6620	6820			1762	
P	6820	7020			1763	
P	7020	7220			1764	
P	7220	7420			1765	

DDH 7.6.X.1.1  
2 8Cyprus Anvil Mining Corp.  
Geochemical Log (Sampler's Copy)Page 2 of \_\_\_\_\_  
Logged By: \_\_\_\_\_  
Sampled By: CXT

Code	From		To		Sample No.	Description
	10	14	16	20		
P	741	5	743	5	11766	
P	743	5	763	5	11767	
P	763	5	783	5	11768	
P	783	5	800	0	11769	
P	800	0	801	0	11770	
P	801	0	821	0	11771	
P	821	0	841	0	11772	
P	841	0	861	0	11773	
P	861	0	881	0	11774	
P	881	0	891	5	11775	
P	891	5	893	0	11776	
P	893	0	905	0	11777	
P	905	0	911	0	11778	
P	911	0	931	0	11779	
P	931	0	951	0	11780	
P	951	0	963	0	11781	
P	963	0	977	0	11782	
P	977	0	997	0	11783	
P	997	0	1017	0	11784	
P	1017	0	1037	0	11785	
P	1037	0	1044	0	11786	
P	1044	0	1064	0	11787	
P	1064	0	1084	0	11788	
P	1084	0	1104	0	11789	
P	1104	0	1124	0	11790	
P	1124	0	1132	0	11791	
P	1132	0	1145	0	11792	
P	1145	0	1157	0	11793	
P	1157	0	1162	0	11794	
P	1162	0	1182	0	11795	
P	1182	0	1197	0	11796	
P	1197	0	1209	0	11797	
P	1209	0	1222	0	11798	
P	1222	0	1235	0	11799	
P	1235	0	1255	0	11890	
P	1255	0	1275		103258	





Code	From		To		Unit		Code		Description	
	10	14	16	20	22	23	25	27		
L	0	0	5	0	1			#		
L	5	0	1	5	2	4	C	2	At 125-129 - 4F2, minor equant pyrite porphs.	
L	5	8	2	0	3	4	D	3	→4D378; mod. calcareous metabasite w/mottled texture (finely mottled); possibly some relict. igneous phases	
L	2	0	7	4	4	4	C	2	4F2 at 348-370 and 485.5-487.9 and at 546-571.7 4D38 at: 399-400 and 406.6-407.3	
L	7	4	7	4	5	4	D	3	→4D38: all metabasites seen are calcareous, finely mottled chloritic, lt. olive green.	
L	7	4	8	9	6	4	C	2	At 789.5 - unit becoming less calcareous & possibly more carbonaceous at 800-801.5= 4D8 w/much mariposite-fuchsite	
L	8	9	9	0	7	4	D	3	→ 4D378	
L	9	0	9	1	8	4	C	2	→ 4C29; "ribbon banded graphitic po. bearing carbonates" looks like 2A0, except calcareous but non-siliceous	
L	9	1	9	7	9	4	D	3	→ 4D378	
L	9	7	1	0	1	0	4	C	2	As unit b, less calcareous, more carbonaceous than upper part of DDH.
L	1	0	1	0	1	1	4	C	2	More calcareous than unit 10, relatively less carbon, unit cf # 2 & 4.
L	1	0	1	0	1	2	4	B	3	→ 4B39; pyrite bearing, unit looks like wkly.devel. pyritic ribbon banded graphitic qtzte.(i.e. 2A0) only the white sulfide bearing bands are siliceous and calcareous, no base metal sulfides.
L	1	0	1	1	1	3	4	B	1	→ 4B13; at 1084-1093 wkly. calcareous, wkly. banded, very fine crystalline, non-laminarly banded graphitic phyllite. Unit distinguished by texturally even appearance and absence of laminae banding; upper portion calcareous, lower unit siliceous and non-calcareous.
L	1	1	1	1	1	4	4	B	0	Patchy and weakly calcareous, dominant 4B0.
L	1	1	1	1	1	5	4	D	8	Broken rubly, non-calcareous, lt. beige-olive green, wkly. mottled.
L	1	1	1	2	1	6	4	B	9	Interbanded 4B0 and 4B9 where 4B9 ≈ 2A0; cherty exhalite bands, non base metal bearing; pyrrhotite bearing, non-pyritic, non-calcareous siliceous, this unit and similar ones downhole ≈ margin of Grum.
L	1	2	1	2	1	7	4	D	3	→ 4D378, unit shows gradational contact w/4B0 over 6" interval, lower contact sharp and broadly conformable to S <sub>2</sub> .

F-6

Lithologic Log

Code	From	To	Unit	Code	Description
L	10 14 16 20	22 23 25 27			
L	0 0	5 0 0	1	#	
L	5 0 0	1 5 8 0	2	4, C, 2	At 125-129 - 4F2, minor equant pyrite porphs.
L	5 8 0	2 0 2 5	3	4, D, 3	→4D378; mod. calcareous metabasite w/mottled texture (finely mottled); possibly some relict. igneous phases
L	12 0 2 5	17 4 1 8	4	4, C, 2	4F2 at 348-370 and 485.5-487.9 and at 546-571.7 4D38 at: 399-400 and 406.6-407.3
L	7 4 1 8	7 4 3 5	5	4, D, 3	→4D38: all metabasites seen are calcareous, finely mottled chloritic, lt. olive green.
L	7 4 3 5	8 9 2 0	6	4, C, 2	At 789.5 - unit becoming less calcareous & possibly more carbonaceous at 800-801.5= 4D8 w/much mariposite-fuchsite
L	8 9 2 0	9 0 5 0	7	4, D, 3	→ 4D378
L	9 0 5 0	9 1 1 0	8	4, C, 2	→ 4C29; "ribbon banded graphitic po. bearing carbonates" looks like 2A0, except calcareous but non-siliceous
L	9 1 1 0	9 7 7 0	9	4, D, 3	→4D378
L	9 7 7 0	1 0 0 9 3	1, 0	4, C, 2	As unit b, less calcareous, more carbonaceous than upper part of DDH.
L	1 0 0 9 3	1 0 4 4 0	1, 1	4, C, 2	More calcareous than unit 10, relatively less carbon, unit cf # 2 & 4.
L	1 0 4 4 0	1 0 8 4 0	1, 2	4, B, 3	→4B39; pyrite bearing, unit looks like wkly.devel. pyritic ribbon banded graphitic qtzte.(i.e. 2A0) only the white sulfide bearing bands are siliceous and calcareous, no base metal sulfides.
L	1 0 8 4 0	1 1 3 2 0	1, 3	4, B, 1	→4B13; at 1084-1093 wkly. calcareous, wkly. banded, very fine crystalline, non-laminarly banded graphitic phyllite. Unit distinguished by texturally even appearance and absence of laminae banding; upper portion calcareous, lower unit siliceous and non-calcareous.
L	1 1 3 2 0	1 1 5 7 0	1, 4	4, B, 0	Patchy and weakly calcareous, dominant 4B0.
L	1 1 5 7 0	1 1 6 2 0	1, 5	4, D, 8	Broken rubly, non-calcareous, lt. beige-olive green, wkly. mottled.
L	1 1 6 2 0	1 2 0 9 0	1, 6	4, B, 9	Interbanded 4B0 and 4B9 where 4B9 ≅ 2A0; cherty exhalite bands, non base metal bearing; pyrrhotite bearing, non-pyritic, non-calcareous siliceous, this unit and similar ones downhole ≅ margin of Grum.
L	1 2 0 9 0	1 2 3 4 8	1, 7	4, D, 3	→ 4D378, unit shows gradational contact w/4B0 over 6" interval, lower contact sharp and broadly conformable to S <sub>2</sub> .

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	1 2 3 4 8	1 9 4 9 0	1 8	4 B 0	→4B9; unit ≡ Grum graphitic-phyllite horizon, shows sporadic development of sulfide bearing graphitic qtztes. cherty exhalite layers contain pyrite as the sole sulfide from 1234.8-1368; from 1368-1949 cherty exhalite layers contain dominantly pyrrhotite w/subordinate pyrite or entirely pyrrhotite, unit appears to become slightly more siliceous towards base.
L	1 9 4 9 0	1 9 5 7 5	1 9	4 B 3	Siliceous, po-bearing; cherty exhalite bands gone, numerous carbonite rich bands through interval.
L	1 9 5 7 5	1 9 8 5 5	2 0	4 G 2	→4C237; non-graphitic, lt. grey-green, bio-musc.-chlor. phyllite w/ calcareous-epidote-clino-amphibol-rich bands alternating w/med. grey-green chloritic phyllite showing clino-amph. rosettes.
L	1 9 8 5 5	2 0 8 4 5	2 1	4 B 1	→4B13; c.f. unit 13; at 1985.5-2010 unit containing ½"-3" calcareous bands of 4B3; remainder of unit is non-calcareous, lt. grey, markedly siliceous (4B1).
L	2 0 8 4 5	2 0 8 6 8	2 2	4 D 3	→4D38; lt. olive green, w/fine ankerite-carbonate mottles
L	2 0 8 6 8	2 1 0 6 0	2 3	4 B 1	As unit 21.
L	2 1 0 6 0	2 1 1 4 0	2 4	4 D 3	→4D38; as unit 22, unmottled, unit shows lensoid ankerite banding.
L	2 1 1 4 0	2 1 2 6 0	2 5	4 C 2	→4C32;
L	2 1 2 6 0	2 1 3 2 0	2 6	4 D 3	→4D38
L	2 1 3 2 0	2 1 6 4 5	2 7	4 C 2	→4C32; as unit 25.
L	2 1 6 4 5	2 1 6 9 0	2 8	4 D 3	→4D38; origin of 4D38 units uncertain; maybe calcareous tuffs or dolomite-pelite mixtures.
L	2 1 6 9 0	2 1 7 8 5	2 9	4 C 1	Unit closely resembles, calc-silicate unit 3D4; non-carbonaceous characterized by predominance of purplish brown biotite.
L	2 1 7 8 5	2 2 4 4 0	3 0	4 C 2	→4C32; as units 25 & 27; these units thinly to laminarly banded, alternated lt. grey calcareous, brown biotite rich and dk. brown-grey graphite bands; entire interval characterized by post D <sub>2</sub> carbonate filled hairline fractures; 2086.8-2244 is sensibly the same unit & is cf. but not identical to calc-silicate.
L	2 2 4 4 0	2 2 5 2 5	3 1	4 B 1	1' clacareous band at 2250-2251.



Lithologic Log

Code	From	To	Unit	Code	Description
L	10 14 18 20 22 23 25 27				
L	1, 2, 3, 4 8	1, 9, 4, 9 0	1, 8	4, B, 0	→4B9; unit ≡ Grun graphitic-phyllite horizon, shows sporadic development of sulfide bearing graphitic qtztes. cherty exhalite layers contain pyrite as the sole sulfide from 1234.8-1368; from 1368-1949 cherty exhalite layers contain dominantly pyrrhotite w/subordinate pyrite or entirely pyrrhotite, unit appears to become slightly more siliceous towards base.
L	1, 9, 4, 9 0	1, 9, 5, 7 5	1, 9	4, B, 3	Siliceous, po-bearing; cherty exhalite bands gone, numerous carbonite rich bands through interval.
L	1, 9, 5, 7 5	1, 9, 8, 5 5	2, 0	4, G, 2	→4C237; non-graphitic, lt. grey-green, bio-musc.-chlor. phyllite w/ calcareous-epidote-clino-amphibol-rich bands alternating w/med. grey-green chloritic phyllite showing clino-amph. rosettes.
L	1, 9, 8, 5 5	2, 0, 8, 4 5	2, 1	4, B, 1	→4B13; c.f. unit 13; at 1985.5-2010 unit containing ½"-3" calcareous bands of 4B3; remainder of unit is non-calcareous, lt. grey, markedly siliceous (4B1).
L	2, 0, 8, 4 5	2, 0, 8, 6 8	2, 2	4, D, 3	→4D38; lt. olive green, w/fine ankerite-carbonate mottling
L	2, 0, 8, 6 8	2, 1, 0, 6 0	2, 3	4, B, 1	As unit 21.
L	2, 1, 0, 6 0	2, 1, 1, 4 0	2, 4	4, D, 3	→4D38; as unit 22, unmottled, unit shows lensoid ankerite banding.
L	2, 1, 1, 4 0	2, 1, 2, 6 0	2, 5	4, C, 2	→4C32;
L	2, 1, 2, 6 0	2, 1, 3, 2 0	2, 6	4, D, 3	→4D38
L	2, 1, 3, 2 0	2, 1, 6, 4 5	2, 7	4, C, 2	→4C32; as unit 25.
L	2, 1, 6, 4 5	2, 1, 6, 9 0	2, 8	4, D, 3	→4D38; origin of 4D38 units uncertain; maybe calcareous tuffs or dolomite-pelite mixtures.
L	2, 1, 6, 9 0	2, 1, 7, 8 5	2, 9	4, C, 1	Unit closely resembles, calc-silicate unit 3D4; non-carbonaceous characterized by predominance of purplish brown biotite.
L	2, 1, 7, 8 5	2, 2, 4, 4 0	3, 0	4, C, 2	→4C32; as units 25 & 27; these units thinly to laminarily banded, alternated lt. grey calcareous, brown biotite rich and dk. brown-grey graphite bands; entire interval characterized by post D <sub>2</sub> carbonate filled hairline fractures; 2086.8-2244 is sensibly the same unit & is cf. but not identical to calc-silicate.
L	2, 2, 4, 4 0	2, 2, 5, 2 5	3, 1	4, B, 1	1' calcareous band at 2250-2251.

Lithologic Log

Code	From	To	Unit	Code	Description
L	10 14 16 20 22 23 25 27	19 4 9 0	1, 8	4, B, 0	→4B9; unit ≡ Grm graphitic-phyllite horizon, shows sporadic development of sulfide bearing graphitic qtztes. cherty exhalite layers contain pyrite as the sole sulfide from 1234.8-1368; from 1368-1949 cherty exhalite layers contain dominantly pyrrhotite w/subordinate pyrite or entirely pyrrhotite, unit appears to become slightly more siliceous towards base.
L	19 4 9 0	19 5 7 5	1, 9	4, B, 3	Siliceous, po-bearing; cherty exhalite bands gone, numerous carbonite rich bands through interval.
L	19 5 7 5	19 8 5 5	2, 0	4, G, 2	→4C237; non-graphitic, lt. grey-green, bio-musc.-chlor. phyllite w/ calcareous-epidote-clino-amphibol-rich bands alternating w/med. grey-green choritic phyllite showing clino-amph. rosettes.
L	19 8 5 5	20 8 4 5	2, 1	4, B, 1	→4B13; c.f. unit 13; at 1985.5-2010 unit containing ½"-3" calcareous bands of 4B3; remainder of unit is non-calcareous, lt. grey, markedly siliceous (4B1).
L	20 8 4 5	20 8 6 8	2, 2	4, D, 3	→4D38; lt. olive green, w/fine ankerite-carbonate mottling
L	20 8 6 8	21 0 6 0	2, 3	4, B, 1	As unit 21.
L	21 0 6 0	21 1 4 0	2, 4	4, D, 3	→4D38; as unit 22, unmottled, unit shows lensoid ankerite banding.
L	21 1 4 0	21 2 6 0	2, 5	4, C, 2	→4C32;
L	21 2 6 0	21 3 2 0	2, 6	4, D, 3	→4D38
L	21 3 2 0	21 6 4 5	2, 7	4, C, 2	→4C32; as unit 25.
L	21 6 4 5	21 6 9 0	2, 8	4, D, 3	→4D38; origin of 4D38 units uncertain; maybe calcareous tuffs or dolomite-pelite mixtures.
L	21 6 9 0	21 7 8 5	2, 9	4, C, 1	Unit closely resembles, calc-silicate unit 3D4; non-carbonaceous characterized by predominance of purplish brown biotite.
L	21 7 8 5	22 4 4 0	3, 0	4, C, 2	→4C32; as units 25 & 27; these units thinly to laminarily banded, alternated lt. grey calcareous, brown biotite rich and dk. brown-grey graphite bands; entire interval characterized by post D <sub>2</sub> carbonate filled hairline fractures; 2086.8-2244 is sensibly the same unit & is cf. but not identical to calc-silicate.
L	22 4 4 0	22 5 2 5	3, 1	4, B, 1	1' calcareous band at 2250-2251.

