GRUM
62N
015032

FAGU151

62N

DRILL HOLE : FAGU151

NORTHING : 905,081.3

EASTING : 592,134.2

ELEVATION : 1,108.2

TOTAL DEPTH : 76.2

SECTION : W 80

R.F.E. : S2

RFE DIRECTION: 230

PLUNGE ANGLE : 11

PLUNGE DIRECT: 312

DHD CALC: 0

SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 20

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 37

NOS DOWN-H-STRUCTURE: 25

NOS DOWN-H-FAULTS: 10

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU151 UTM-N: 905,081.3 UTM-E: 592,134.2 UTM-ELEV: 1,108.2 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 0 SS CALC: 0

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	2.2	06862	2.2	1.6	4E4	4.07	.15	6.30	10.80	102.00		2.61	1	18	20						
2.2	2.8	06863	.6	.6	4E*4	4.29	.35	6.10	8.50	89.00	85.00	2.19	2	27	30						
2.8	4.1	06864	1.3	1.2	4E4	4.96	.30	10.50	16.00	137.00		4.11	1	25	26						
4.1	4.6	06865	.5	.4	4G0	5.01	.09	7.20	.80	113.00		1.10		17	18						
4.6	6.1	06866	1.5	1.3	4E4	4.81	.04	4.70	5.80	62.00		1.17	2	19	21						
6.1	7.4	06867	1.3	1.3	4B5	3.41	.07	.12	.15	6.00		.69	2	14	16						
7.4	9.1	06868	1.7	1.7	4A1	3.18	.01	.09	.08	7.00		.55	1	8	9						
9.1	11.1	06869	2.0	2.0	4A41	3.18	.03	2.10	3.60	34.00		.55	1	10	11						
11.1	13.1	06870	2.0	2.0	4A41	3.24	.03	2.50	4.40	44.00		.75		10	10						
13.1	14.3	06871	1.2	1.2	4A41	3.42	.13	2.90	6.50	56.00		1.65	1	13	14						
14.3	15.4	06872	1.1	1.1	4A41	3.40	.15	4.20	8.30	75.00		1.37	1	11	12						
15.4	16.7	06873	1.3	1.0	4D4	3.90	.22	9.70	10.90	151.00	145.00	1.51	1	15	17						
16.7	18.3	06874	1.6	1.6	4E4	4.13	.20	5.50	6.00	92.00		2.06	1	23	24						
18.3	20.7	06875	2.4	1.9	4E4	4.25	.33	3.50	3.60	57.00		1.85	2	30	32						
54.6	55.4	06876	.8	.8	4G41	4.80	.13	9.00	8.40	134.00		2.47	3	15	18						
55.4	57.8	06877	2.4	2.1	4E0	4.69	.22	2.20	1.27	39.00		2.47	2	35	37						
57.8	58.3	06878	.5	.4	4G41	4.86	.05	10.70	11.10	182.00		2.74	1	13	14						
58.3	60.1	06879	1.8	1.7	4E4	4.81	.17	3.90	3.40	57.00		.82	1	30	32						
60.1	62.4	06880	2.3	2.1	4E48	4.73	.15	13.40	12.30	177.00		2.40	8	15	23						
62.4	65.1	06881	2.7	1.9	4E4	4.58	.65	7.60	6.20	137.00		2.26	3	24	27						
WEIGHTED AVERAGE																					
.0	20.7		20.7	18.9		3.86	.14	4.31	6.01	68.16	11.57	1.56	1	17	19						
54.6	65.1		10.5	9.0		4.70	.29	7.25	6.33	111.56		2.13	3	24	28						

DDH: FAGU151 UTM-N: 905,081.3 UTM-E: 592,134.2 UTM-ELEV: 1,108.2 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 0 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	47.000	224.000

DDH: FA3U151 UTM-N: 905,081.3 UTM-E: 592,134.2 UTM-ELEV: 1,108.2 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 0 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
2.2	0001	4E4	(4A4 PHYLLITIC)	0.0	1
2.8	0002	4E84	(4E4 POROUS)	0.0	1
4.1	0003	4E4		0.0	1
4.6	0004	4G0		0.0	1
6.1	0005	4E4		0.0	1
6.6	0006	4B5		0.0	1
7.1	0007	4L12		0.0	1
7.3	0008	4E4		0.0	1
7.4	0009	10Q0		0.0	1
15.5	0010	4A41	(3G2) [4A PHYLLITIC]	0.0	1
16.7	0011	4D4		0.0	1
20.7	0012	4E4	(4A3PHYLLITIC)(4E0)(4E47BASE)	0.0	1
24.6	0013	5A6		0.0	1
26.4	0014	5B2B?		0.0	1
27.4	0015	5D8		0.0	1
28.3	0016	5B0@	WEAKLY CALC	0.0	1
30.3	0017	5D8		0.0	1
32.7	0018	5B0@		0.0	1
35.0	0019	5E8		0.0	1
36.4	0020	5B26		0.0	1
40.7	0021	5B0@		0.0	1
41.2	0022	5D8		0.0	1
42.6	0023	5B0@		0.0	1
44.2	0024	5D8		0.0	1
45.2	0025	5B0@		0.0	1
49.7	0026	5D8		0.0	1
54.6	0027	5B26?	SERICITIC	0.0	1
55.4	0028	4G41	&&	0.0	1
57.8	0029	4E0	(4G41)	0.0	1
58.3	0030	4G41		0.0	1
60.1	0031	4E0	(4G41)(4K)(4D)	0.0	1
62.4	0032	4E487	(4G41)	0.0	1
65.1	0033	4E0	(4G44)(4E4)(4K4) POROUS	0.0	1
68.6	0034	5A6		0.0	1
73.2	0035	4L0		0.0	1
74.7	0036	5A6	-	0.0	1
76.2	0037	4L0	-	0.0	1

DDH: FAGU151 UTM-N: 905,081.3 UTM-E: 592,134.2 UTM-ELEV: 1,108.2 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: C SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU151	0.0	0.4	PS2		0	0	0	0	80	230	C	1	0	0
FAGU151	0.0	6.8	PS2		0	0	0	0	47	230	C	1	0	0
FAGU151	0.0	11.9	PS2		0	0	0	0	30	230	C	1	0	0
FAGU151	0.0	13.9	PS2		0	0	0	0	25	230	C	1	0	0
FAGU151	0.0	22.3	PS2		0	0	0	0	65	230	C	1	0	0
FAGU151	0.0	23.6	PS2		0	0	0	0	60	230	C	1	0	0
FAGU151	0.0	25.8	PS2		0	0	0	0	59	230	C	1	0	0
FAGU151	0.1	26.3	PS2	P	0	0	0	0	0	0	C	1	0	0
FAGU151	0.0	27.7	CS2		0	0	0	0	57	230	C	1	0	0
FAGU151	0.0	29.2	CS2		0	0	0	0	59	230	C	1	0	0
FAGU151	0.0	30.0	CS2		0	0	0	0	60	230	C	1	0	0
FAGU151	26.3	30.3	CS2	Z	0	0	0	0	0	0	C	1	0	0
FAGU151	0.0	34.3	CS2		0	0	0	0	57	230	C	1	0	0
FAGU151	30.3	35.1	CS2	S	0	0	0	0	0	0	C	1	0	0
FAGU151	0.0	35.6	CS2		0	0	0	0	45	230	C	1	0	0
FAGU151	35.1	36.1	CS2	Z	0	0	0	0	0	0	C	1	0	0
FAGU151	0.0	39.9	PS2		0	0	0	0	50	230	C	1	0	0
FAGU151	0.0	44.6	PS2		0	0	0	0	25	230	C	1	0	0
FAGU151	0.0	48.8	PS2		0	0	0	0	45	230	C	1	0	0
FAGU151	0.0	51.4	PS2		0	0	0	0	60	230	C	1	0	0
FAGU151	0.0	54.3	PS2		0	0	0	0	55	230	C	1	0	0
FAGU151	35.1	54.6	PS2	P	0	0	0	0	0	0	C	1	0	0
FAGU151	0.0	66.4	PS2		0	0	0	0	23	230	C	1	0	0
FAGU151	0.0	71.5	PS2		0	0	0	0	38	230	C	1	0	0
FAGU151	54.6	74.7	PS2	P	0	0	0	0	0	0	C	1	0	0

DDH: FAGU151 UTM-N: 905,081.3 UTM-E: 592,134.2 UTM-ELEV: 1,108.2 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 0 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	REC CD	PARLL	UPPER PLANE		INTERNAL PLANE		LOWER PLANE		DHD
FAGU151	20.7	24.6	G			0	0	0	0	0	3	1
FAGU151	41.2	42.6	BP			0	0	0	0	0	3	1
FAGU151	56.3	58.6	X?			0	0	0	0	0	3	1
FAGU151	56.8	59.6	D?			0	0	0	0	0	3	1
FAGU151	59.8	60.1	D?			0	0	0	0	0	3	1
FAGU151	62.4	65.1	B?			0	0	0	0	0	3	1
FAGU151	65.1	66.0	XB			0	0	0	0	0	3	1
FAGU151	67.0	68.6	G			0	0	0	0	0	3	1
FAGU151	73.2	74.7	BP	3		0	0	0	0	0	3	1
FAGU151	74.7	76.2	D?			0	0	0	0	0	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U151

Project: Grum Relog

Location: Vangorda Plateau

Claim:

Terr. Plane Co-ords.: 6905081.26 N

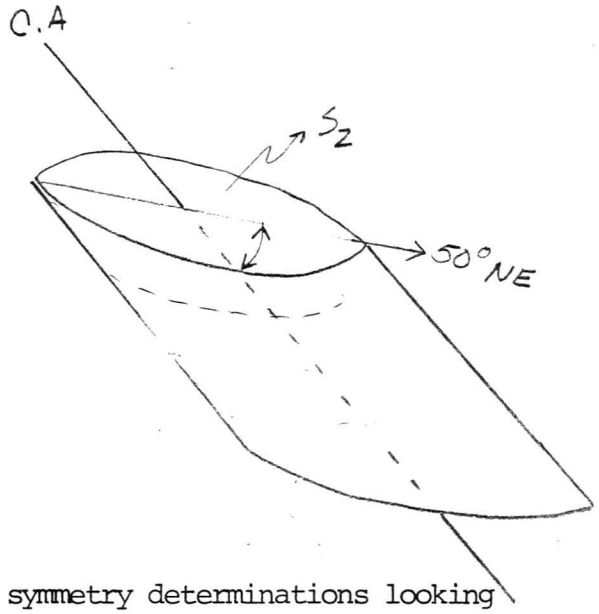
592134.15 E

Grid Co-ords.: 80W / 2N

Elevation: 1108.2

Total Depth: -76.2 m

Fabric Orientation Diagram:



All symmetry determinations looking

NW with S_2 dipping

NE with dip azimuth 50.

Purpose:

Logged by: JSM Date(s) Logged: July 1 - July 3, 1980

Drilling Contractor:

Core:	Size	From	To	Collar Cased and Capped:
	BQ	0	-76.2m	

Started: 8/21/1976 Completed: 8/22/1976

Cyprus Anvil Mining Corp.
Diamond Drill Core Log

DDH 76-01,51 (2 / 8)

Code	Drillhole	Elevation	Northing	Easting	Com
	1 2 8	10 16	17 24	25 32	34
T	76-01,51	1,108.2	9,050,811.3	592,134.2	METRIC

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	1 2 8	10 14	22 26	28 32	34
R	76-01,51	00	47.0	224.0	ATCOLLAR
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and
	1 2 8	10

Cyprus Anvil Mining Corp.
Lithologic Log

-U15 1
8

Logged By: JSM

1981 check: #1 0.0-2.2 4E4 (4A4 phyllitic) #2 2.2-2.8 4E*4 (4E4 porous) #3 2.8-4.1 4E4 #4 4.1-4.6 4G4 #5 4.6-6.1 4E4 → pater FeMgCO3

	To	Unit	Code	Description
0	6.1	1	4E4	→ 4G4 @ 4.1-4.6 ~10% $BaSO_4$ (honey sphal) 80-95% sfd: py, sphal > galena, richest sections have bands of fine grained red sphal containing py + gal 0-1.5 15% PbZn 1.5-3.0 17.75% PbZn 3.0-4.6 25.70% PbZn 4.6-6.1 33% PbZn
6.1	7.4	2	4B0	~4% PbZn red sphal, gal; v. minor py, 90% qtz; → 4L2, then 4E4 @ EOI
7.4	15.5	3	4A4	~~locally~~ 4A41 & locally up to 60% sfd, py, red sphal + gal 6-9% PbZn occasional porphs of py ~5mm
15.5	16.7	4	4D4	20% PbZn red sphal, gal. Contains patches of white qtz vaguely aligned into bands, patches ≅ 1/2"; 4E4 ~ 70% sfd surrounds the qtz
16.7	20.7	5	4EA	short gradational intervals of 4A0 4A4 4E0 + 4E4 graphitic: 16.7-17.0, 17.5-18.0, 19.5-19.8, 20.2-20.7. (25% 4A) especially good grade @ 18.3 + 20.3 (4E4). po (4A47) @ EOI 20.4-20.7. → 1981 check: 4E4 (4A3 phyllitic) (4E0) (4E7 @ FW) 8-12% PbZn red sphal gal
20.7	24.6	6	5A6	abundant meshwork of buff qtz-carbonate veins, irreg, weakly calcareous; minor py veinlets @ 23 → 5B3 (orange ankerite laminae) @ EOI, minor talc(?) (or white clay) fracture coatings.
24.6	26.4	7	5B2	w/ orange ankerite; increasingly sericitic 0.2m @ TOI → 5D?
26.4	27.4	8	5D3	$FeCO_3^=$
27.4	28.3	9	5B0	weakly calc ($FeCO_3^=$), good sericite devel but not enuff to be 4L
28.3	30.3	10	5D3	as unit 8
30.3	32.7	11	5B0	as unit 9
32.7	35.0	12	5B8	
35.0	36.4	13	5B2	
36.4	40.7	14	5B0	as unit 9 w/ both cc + $FeCO_3^=$, sericitic, minor carbon @ TOI
40.7	41.2	15	5D3	$FeCO_3^=$ as unit 8 broken recovery
41.2	42.6	16	5B0	as unit 9

1981 check: 4B5 6.1-6.6, 4L2 6.6-7.1, 4E4 7.1-7.3, 0QD 7.3-7.4 (4B5 (4L)2 4E4)

1981 check 4A41 + 3G2 finely interbanded

DDH 76-415.1 (2 … 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Logged By: JSM

Code	From	To	Unit	Code	Description
1	10 … 14	16 … 20	22 23	25 … 27	
L	412 6	414 2	17	5D3	as unit 8
L	414 2	452	18	5B0	as unit 9
L	452	497	19	5D3	as unit 8
L	497	516	20	5B2	sericitic
L	516	515 A	21	~~4DI4~~ 4GG4 4E* Dolo	red sphal + gal + py slightly banded ~70% sfd ~10% PbZn ? 1981 check 4G41 ± * Dolo.
L	515 A	560	212	~~4GK~~ 4GO	4GO w/ inclusions clasts of $CO_3^=$ ~5% or less PbZn
				~~4EP~~ 4EO (4G41)	(red sphal + gal) Texture is that of 4G but I'm not sure its barite 1981 check: 55.4-57.8 4EO (4G41)
L	560	578	213	4EO	w/ minor 4D4 @ 56.9 (4D46 or 4G41) ~4% PbZn → @ TOI + @ 56.9 minor $CO_3^=$ clasts @ TOI. upper cte is intercalated w/ #21
L	578	583	214	~~4DA~~ 4G41	8-9% PbZn (perhaps more) orange sphal ≅ gal as unit 21 1981 check: 4G41
L	583	586	215	~~4KO~~	large $CO_3^=$ clasts, bxia nonvisible PbZn
L	586	588	216	~~4DI4~~	large patches of white qtz @ TOI surr. by 4EO & 4E4 then qtz in matrix @ EOI. ~70% sfd ~8(?) % PbZn (red sphal + gal)
L	588	596	217	~~4EO~~	subtle autobxiation, ca lined vuggy fractures 59.2
L	596	598	218	~~4DI4~~	10-15% PbZn ? orange sphal & gal as unit 21 in texture
L	598	601	219	~~4EO~~	as unit 27 also auto bxiated
L	601	624	310	~~4E4~~	High grade 19% PbZn to 61.0 28% PbZn 61-62.4 Mgt + Po bands (5+% ?) 1981 check: 4E487 (4G41 @ stp cts)
L	624	651	311	~~4EO~~ 4EK (4G4 cc) (4E4) (4K4)	This is a grungy interval 4D4 → 4K → porous sfds → 4K → 4E → 4EK (minor $CO_3^=$ clasts) → clay altered sfds w/ $CO_3^=$ 11-12% PbZn, acc. to KA, red sphal + gal in 4D4 + porous
L	651	686	312	5A16	bxia / qtz + SA phyllite @ TOI, minor 4L ∓ broken recovery @ 67 Interval ends in gouge, fault?
L	686	732	313	4L0	
L	732	747	314	5A16	minor $CO_3^=$ veins, only 0.5m (33%) broken recovery
L	747	762	315	4L0	Bxia — seems like sed or rolc. not tectonic. Contains frags of 5D + 4K & some unknown rock types matrix ≅ graphitic
					1981 check: 58.3-60.1 4EO (4G41 @ 58.7, 59.7) (4K + 4D @ TOI ∴ #25-29 ⇒ #25 note also minor bxiation + vugs

4EO (4G41)

4EO (4G41) (4K) (4D)

4EO (4G * 4 calcite) (4E4) (4K4) altered, possibly faulted boxer ate

DDH 76-44-151 (2 / 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: JSM

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
	10 14	16 20	22 24	26	28 32	34 38	
S		104	P1S12			810 150	R region 0-26.3
S		168	P1S12			417 150	split sfds & phyllite
S		1119	P1S12			310 150	
S		1139	P1S12			215 150	
S		1223	P1S12			615 150	
S		1236	P1S12			610 150	
S		1258	P1S12			519 150	
S		1263	F12	R			Z region 26.3-30.3
S		1277	C1S12			517 150	5D
S		1292	C1S12			519 150	note: only possible orientation for S_2
S		1300	C1S12			610 150	is dipping NE. Two choices-
							steep vs shallow dip, shallow
							taken
S		1303	F12	3			S region 30.3-35.1
S		1343	C1S12			517 150	
S		1351	F12	E			Z region 35.1-36.1
S		1356	C1S12			415 150	ZSZZZS
S		1361	F12	Z			P region 36.1-54.6
S		1399	P1S12			510 150	5B+5D
S		1446	P1S12			215 150	
S		1488	P1S12			415 150	
S		1514	P1S12			610 150	
S		1543	P1S12			515 150	
S		1546	F12	P			R region 54.6-74.7
S		1664	P1S12			213 150	sfds 5A+4L, no pl obs in sfds
S		1715	P1S12			318 150	note: S_2 in 5A so stop that core
							can't be oriented
S		1747	F12	R			No sym region 74.7-EOH
							bxia, no apparent S_2
S		1762					EOH

DDH 76-41 5 1

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

Logged By: JSM
Sampled By:

Code	From	To	Sample No.	Length	Recovery	Unit
P	00	15	4627 KA	1.5	0.8	4E4
P	15	30	4628 KA	1.5	1.2	4E4
P	30	46	4629 KA	1.6	1.1	4E4 4G4
P	46	61	4630 KA	1.5	1.4	4E4
P	61	76	4631 KA	1.5	1.2	4B0
P	76	91	4632 KA	1.5	1.4	4A4
P	91	107	4633 KA	1.6	1.6	4A4
P	107	122	4634 KA	1.5	1.5	4A4
P	122	137	4635 KA	1.5	1.5	4A4
P	137	152	4636 KA	1.5	1.5	4A4
P	152	168	4637 KA	1.6	1.5	4A4, 4D4
P	168	183	4638 KA	1.5	1.5	4EA
P	183	204	4639 KA	2.1	2.0	4EA
P	545	564	4640 KA	1.9	1.8	4D4, 4GK
P	564	579	4641 KA	1.5	1.3	4E0
P	579	594	4642 KA	1.5	1.4	4K0, 4D4, 4E0
P	594	610	4643 KA	1.6	1.3	4E0 4D4 4E0 4E4
P	610	625	4644 KA	1.5	1.0	4EA
P	625	651	4645 KA	2.6	2.0	4 (4D4, 4K, 4E etc)
P						

Section 80W Logged in 1980; Sampled 1981

DDH EAGLE 51 Cyprus Anvil Mining Corp Page ____ of ____

ASSAY LOG (SAMPLER'S COPY) Date 6/81 Logged by JSM + checked Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION	#
1	10 14	16 20	22 26	28 30	32 34	36 40	42	
	0 0	2 2	68612	2 2	1 6	4E41	(4A4 phyllitic)	1
	2 2	2 8	68613	0 6	0 6	4E*14	(4E4porous)	2
	2 8	4 1	68614	1 3	1 2	4E41		3
	4 1	4 6	68615	0 5	0 4	4G41		4
	4 6	6 1	68616	1 5	1 3	4E41		5
	6 1	7 4	68617	1 3	1 3	4B415	(4L2) (4E4)	6
	7 4	9 1	68618	1 7	1 7	4A441	+3G2 finely interbanded	7
	9 1	11 1	68619	2 0	2 0	4A441	+3G2 finely interbanded	
	11 1	13 1	68620	2 0	2 0	4A441	"	
	13 1	14 3	68621	1 2	1 2	4A441	"	
	14 3	15 4	68622	1 1	1 1	4A441	"	
	15 4	16 7	68623	1 3	1 0	4D41		8
	16 7	18 3	68624	1 6	1 6	4E41	(4A3 phyllitic, 4E0)	9
	18 3	20 7	68625	2 4	1 9	4E41	(4A3 phyllitic, 4E0, 4G47)	
	54 6	55 4	68626	0 8	0 8	4G441	± * Dolo	10
	55 4	57 8	68627	2 4	2 1	4E01	(4G41 @ 55.5 + 56.9) (CO_2 = casts @ TOI)	11
	57 8	58 3	68628	0 5	0 4	4G441		12
	58 3	60 1	68629	1 8	1 7	4E01	(4G41 @ 58.7 - 59.7) (4K+4D @ TOI)	13
	60 1	62 4	68630	1 3	2 1	4E4187	(4G41 minor @ stp cts)	14
	62 4	65 1	68631	2 7	1 9	4E01	(4G*4 calcite) (4E4) (4K4)	15

Note: numbers on rep samples are these → not numbers on logs

DDH FAGU.1.5.1   Cyprus Anvil Mining Corp.   Page ______ of ______

2 Meters 8

Structural Log

Date: ______ Logged By: ______

Code	From	To	Feature	Sym	S0 Dip Direct.	S1 Dip Direct.	S2 Dip Direct	Description
1	10 - 14	16 - 20	22 - 24	26	28 - 32	34 - 38	40 - 44	
F	412	426	B?					broken core poor recy.
F	588	596	D?					subtle bxiation
F	651	660	XB					bxia
F	670	686	G					gouge, broken core
F	732	747	B?	3				33% recy .5m/1.5m.
F	747	762	D?					bxia 504* in dk gy matrix
F	207	246	G					
F	583	586	X?					
F	598	601	D?					
F	624	651	B?					

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO D.D.H. Nº 76-U-151 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE 10,879.287 80W STARTED AUGUST 21, 1976

DEPARTURE 7,443.319 80W REMUCK STATION 2N + 17M COMPLETED AUGUST 22, 1976

ELEVATION 1,115.771 PROPOSED DEPTH 250 - 76.2m

ULTIMATE DEPTH - 76.2m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	+43°

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 86%

Interval		DESCRIPTION			Recovery	Sample	Interval		Sample	Assay					Assay x		
From	To					Nº	From	To	Length	Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	20.4	MINERALIZED GRAPHITIC PHYLLITE (PG) W/MASSIVE SULFIDE	40	8	0.8	4627	0	1.5	1.5	5.58	9.55	86.74			8.37	14.33	130.11
		INTERVALS (M). Competent. F_2 = 25-30°; F_1 = 40-45°.	80	10	1.2	4628	1.5	3.0	1.5	8.25	11.51	113.1			12.38	17.27	169.71
		Sulfides following both foliation.	75	8	1.1	4629	3.0	4.6	1.6	10.42	15.28	143.3			16.67	24.45	229.31
		1.5-6.1: Massive sulfide interval with porous variety	75	9	1.4	4630	4.6	6.1	1.5	12.23	20.76	185.5			18.35	31.14	278.24
		(M+MV). Compositional banding = 70-75°.	25	5	1.2	4631	6.1	7.6	1.5	1.40	3.00	23.31			2.10	4.5	34.97
		Contacts gradational.	25	4	1.4	4632	7.6	9.1	1.5	2.25	4.30	35.31			3.38	6.45	52.97
		13.1-13.2: Bleached phyllite. White with fuchsite	25	6	1.6	4633	9.1	10.7	1.6	2.58	4.25	37.37			4.13	6.80	59.79
		laminae. Foliation = 25°. Clean contacts	30	6	1.5	4634	10.7	12.2	1.5	2.53	4.50	39.43			3.80	6.75	59.15
		parallel to foliation. F_1 parallel to F_2	30	10	1.5	4635	12.2	13.7	1.5	3.10	5.95	51.43			4.65	8.93	77.15
		NOTE: Change in F_1/F_2 relationship from first 1.5m	25	9	1.5	4636	13.7	15.2	1.5	2.28	4.35	39.43			3.42	6.53	59.15
		of run $1\ 2$ attributed to drilling penetrating the upper limb of a big fold.	60	10	1.5	4637	15.2	16.8	1.6	9.19	11.71	132.0			14.70	18.74	211.20
		13.7-15.2: F_1 parallel to F_2 = 30°.	75	10	1.5	4638	16.8	18.3	1.5	6.17	5.80	94.63			9.26	8.70	141.95
		16.8-19: Massive sulfide interval. Compositional	70	8	2.0	4639	18.3	20.4	2.1	4.05	4.65	60.34			8.51	9.77	126.71
		banding Py/Sph-Pb = 60°.				W.Av.	0	20.4	20.4	5.49	8.06	79.92			111.95	164.36	1630.41
		20.4: Gradual change to graphitic phyllite (G).				W.Av.	0	6.1	6.1	9.14	14.29	132.4			55.77	87.19	807.37
						W.Av.	7.6	15.2	7.6	2.55	4.67	40.55			19.38	35.46	308.21
						W.AV.	15.2	20.4	5.2	6.24	7.16	92.28			34.7	37.21	479.86
20.4	24.4	GRAPHITIC PHYLLITE (G). Broken blocky core from flakes to			3.8		20.4	24.4	4.0								
						W.Av.	15.2	18.3	3.1	7.72	8.86	113.92			23.96	27.44	353.15

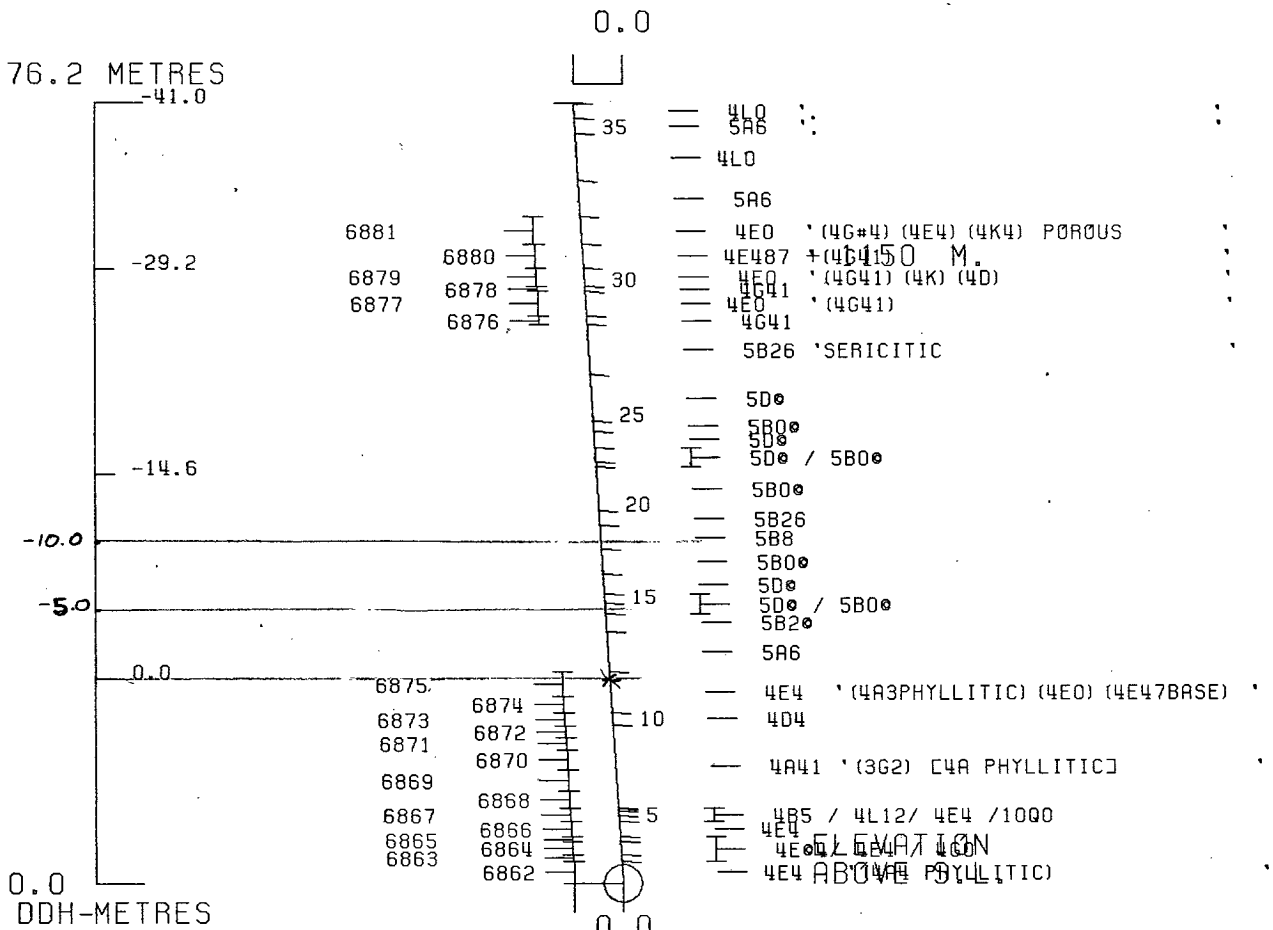
Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		3cm long. Foliation = 50-55°. No clear F_1 /F_2 relationship noted.													
		24.4: Gradual change to sericite phyllite (S).													
24.4	26.0	SERICITE PHYLLITE (S). Competent. F_2 = 50°; F_1 = 0-5°. Short interval of tuffaceous looking bleached phyllite = 10cm.	1.5		24.4	26.0	1.6								
		26: Gradual change to chloritic-calcitic phyllite (CK).													
26.0	30.5	CHLORITIC-CALCITIC PHYLLITE (CK). Competent. F_2 = 50-55°; F_1 = 0-10°. Tuffaceous looking.	4.3		26.0	30.5	4.5								
		30.5: Decrease in calcitic chloritic constituent. Rx be-cominb sericite phyllite with trace calcite (S+K).													
30.5	42.6	SERICITE PHYLLITE WITH TRACE OF CALCITE. Competent. F_2 = 45-50°; F_1 = 10°. Calcite marking F_1 crenulations.	10.7		30.5	42.6	12.1								
		41.1-42.7: Broken core. Pebbly-no gouge.													
		42.6: Abrupt change to tuffaceous looking unit (Sb)? Contact broken ground.													
42.6	47.0	BLEACHED PHYLLITE (Sb). Broken, hard, siliceous. Cream white to buff, very fine grain. Has some lapille size	3.9		42.6	47.0	4.4								

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		fragments = 2% of volume. Foliation = 55-60°. Barite prism													
		in cavity walls. *Note: T. section specimen taken.													
		47.0: Abrupt change to calcitic-chloritic unit (Sc+K).													
47.0	51.8	CALCITIC-CHLORITIC SERICITE PHYLLITE (Sc+K). Broken,	4.0		47.0	51.8	4.8								
		blocky core. F_2 = 65-70°. No clear F_1 / F_2 relationship													
		noted. Calcite as very thin laminae in groundmass.													
		Chlorite = 20%; Calcite = 5%.													
		51.8: Gradual change to sericite phyllite (S). Contact													
		broken ground.													
51.8	54.5	SERICITE PHYLLITE (S). Broken core, pebbles to 3cm. long.	2.5		51.8	54.5	2.7								
		Foliation = 65°. No F_1 / F_2 relationship noted.													
		53.3: Shear.													
		54.5: Sharp contact with Massive sulfides (M). Contact													
		marked by 2cm. bleached phyllite (Sb). Contact													
		plane = 30°.													
54.5	65.1	MASSIVE SULFIDE W/QUARTZ INCLUSIONS AND SULFIDE 75 8	1.8	4640	54.5	56.4	1.9	4.89	3.70	71.66			9.29	7.03	136.15
		BRECCIA VARIETY (MIq + MXs). Competent, hard and 75 5	1.3	4641	56.4	57.9	1.5	1.93	2.30	47.31			2.90	3.45	70.97
		brittle. Compositional band Py/ZnS+PbS = 45°. 75 8	1.4	4642	57.9	59.4	1.5	4.80	4.70	70.63			7.2	7.05	105.95
		55.5-56: Barite in groundmass (Mb). 59-59.5: Sulfide Bx (MXs). Sulfide angular frag- 75 5	1.3	4643	59.4	61.0	1.6	10.44	8.57	124.5			16.70	13.71	199.14
		ments Ø = 1mm-1cm cemented by sulfide													

LOGGED BY _____ D.D.H. NO 76-U-151 PAGE 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		and trace calcite. Bands Po and Mgtt. 75 10	1.0	4644	61.0	62.5	1.5	15.89	12.42	192.7			23.84	18.63	289.04
		65.1: Abrupt change to graphitic phyllite (G). 75 9	2.0	4645	62.5	65.1	2.6	6.62	5.00	111.1			17.21	13.00	288.83
		Contact broken core.													
				W.Av.	59.4	65.1	5.7	10.13	7.95	136.3			57.75	45.34	777.01
				W.Av.	59.4	62.5	3.1	13.08	10.43	157.5			40.54	32.34	480.18
				W.Av.	54.5	59.4	4.9	3.96	3.58	63.89			19.39	17.53	313.07
65.1	68.4	GRAPHITIC PHYLLITE (G). Broken core - rangin from flakes	2.1		65.1	68.4	3.3								
		to blocks about 4cm long. F_1 is parallel to F_2 = 25°, @ 66.													
		Foliation turn = 0° @ 68 - fold nose.													
		68.4: Fault contact with bleached phyllite. Black and													
		bleached sericite gouge material with quartz pebbles													
		and sericite flakes.													
68.4	73.2	BLEACHED PHYLLITE (Sb). Broken, blakey core. Foliation =	4.0		68.4	73.2	4.8								
		45°. No F_1 / F_2 relationship noted.													
		73.2: Abrupt change to graphitic sericite phyllite (SG).													
73.2	76.2	GRAPHITIC SERICITE PHYLLITE (SG). Broken core.													
		74.7-76.2: Bx. Bleached phyllite and quartz fragments	2.1		73.2	76.2	3.0								
		well cemented by graphite and silica.													
	76.2	END OF HOLE.													

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 9 JUL 1985 9:08 AM



DDH: FAGU151 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

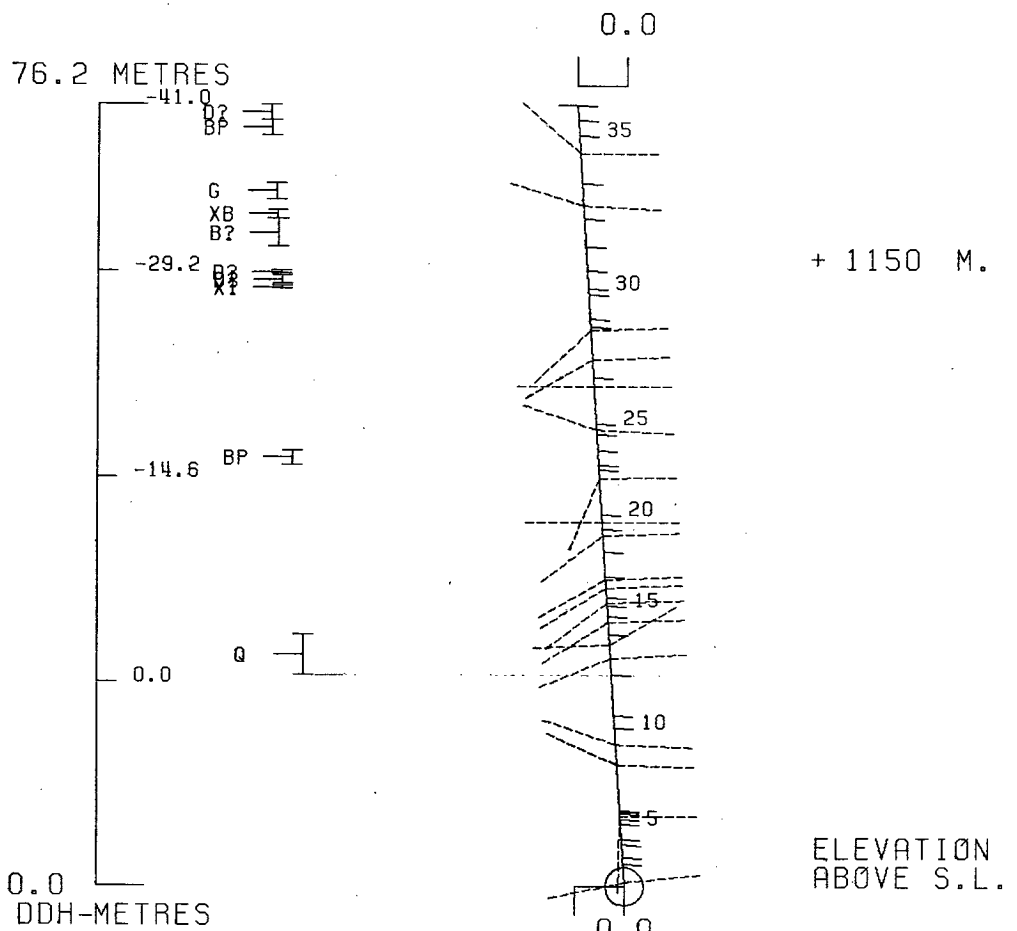
ELEV: 1108 592134E ; 905081N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 271.8 Z = 1108.2

SECTION NAME: 02N

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 8 JUL 1985 4:12 PM



DDH: FAGU151 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

ELEV:1108 592134E ; 905081N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 271.8 Z = 1108.2

SECTION NAME: 02N

FAGU153

DRILL HOLE : FAGU153

NORTHING : 905,081.1

EASTING : 592,134.4

ELEVATION : 1,105.6

TOTAL DEPTH : 61.0

SECTION : W 80

R.F.E. : S2

RFE DIRECTION: 230

PLUNGE ANGLE : 11

PLUNGE DIRECT: 312

DHD CALC: 1

SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 26

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 20

NOS DOWN-H-STRUCTURE: 12

NOS DOWN-H-FAULTS: 2

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU153 UTM-N: 905,081.1 UTM-E: 592,134.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 61.0 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	3.0	06836	3.0	1.5	4A4	3.49	.04	5.10	10.10	82.00		1.10	1	11	12						
3.0	5.3	06837	2.3	2.1	4A4	3.38	.11	3.20	6.10	69.00		1.17	1	14	15						
5.3	7.3	06838	2.0	2.0	4A4	3.35	.07	4.40	8.00	71.00		1.10	1	11	12						
7.3	9.1	06839	1.8	1.8	4A4	3.36	.06	4.80	12.70	82.00		1.23	1	7	8						
9.1	11.3	06840	2.2	2.1	4A4	3.35	.03	5.00	11.50	84.00		1.17	1	10	11						
11.3	13.1	06841	1.8	1.8	4A4	3.62	.07	4.70	8.80	79.00		1.44	1	15	16						
13.1	15.2	06842	2.1	2.1	4A4	3.38	.05	3.20	8.10	60.00		1.10	1	13	14						
15.2	16.8	06843	1.6	1.6	4A4	3.26	.05	1.69	4.20	35.00	32.00	.75	1	13	14						
16.8	18.3	06844	1.5	1.5	4A31	3.67	.06	1.63	3.80	38.00		.89	1	21	23						
18.3	19.8	06845	1.5	1.5	4A41	3.47	.03	1.62	4.30	35.00		1.58	1	16	17						
19.8	21.7	06846	1.9	1.5	4A41	3.24	.11	1.90	4.10	36.00		1.92	1	12	13						
21.7	23.2	06847	1.5	1.5	4A41	3.33	.08	2.90	6.90	56.00		1.92	1	13	14						
23.2	25.2	06848	2.0	1.6	4E0	4.53	.31	.66	1.07	25.00		2.40	1	40	42						
25.2	26.9	06849	1.7	1.6	4E0	4.66	.27	.83	1.56	25.00		1.92	1	40	42						
26.9	29.6	06850	2.7	2.7	4A41	3.45	.13	3.80	7.60	69.00		2.06	1	14	15						
29.6	30.5	06851	.9	.7	4E0	4.70	.25	1.82	1.78	36.00		1.03	1	40	42						
30.5	32.0	06852	1.5	1.4	4E4	4.43	.28	6.00	9.30	103.00		1.17	2	35	37						
32.0	33.5	06853	1.5	1.4	4AE4	3.67	.20	5.70	7.40	122.00	98.00	1.03	1	16	18						
33.5	35.1	06854	1.6	1.0	4E41	4.45	.07	11.50	19.60	185.00		2.86	2	16	18						
35.1	35.6	06855	.5	.4	4G4	4.78	.25	8.00	15.30	162.00		4.05	2	20	22						
35.6	36.6	06856	1.0	.8	4E4	4.37	.13	6.30	13.00	113.00		1.10	3	15	18						
36.6	37.0	06857	.4	.4	4A1	3.52	.08	2.30	2.60	52.00		1.99	1	15	17						
37.0	38.1	06858	1.1	1.0	4G4	4.75	.25	6.10	7.70	115.00		2.13		30	30						
38.1	40.0	06859	1.9	1.4	5C4	3.38	.05	.70	.61	16.00		4.66	4	11	16						
40.0	41.6	06860	1.6	1.2	4G4	4.94	.29	7.00	9.40	136.00		2.47		22	23						
41.9	42.7	06861	.8	.8	4A1	3.46	.05	.89	1.58	19.00		1.10	1	15	16						
WEIGHTED AVERAGE																					
.0	41.6		41.6	36.6		3.76	.12	3.91	7.40	72.09	4.76	1.70	1	18	19						
41.9	42.7		.8	.8		3.46	.05	.89	1.58	19.00		1.10	1	15	16						

DDH: FAGU153 UTM-N: 905,081.1 UTM-E: 592,134.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 61.0 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	107.200	223.400

DDH: FAGU153 UTM-N: 905,081.1 UTM-E: 592,134.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 61.0 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
16.8	0001	4A4		0.0	1
18.3	0002	4A31		0.0	1
23.2	0003	4A41	(3G2)(4A3)	0.0	1
28.7	0004	4E0		0.0	1
29.6	0005	4A41	(3G2)	0.0	1
30.5	0006	4E0		0.0	1
32.0	0007	4E4		0.0	1
33.5	0008	4A4	(4E4)	0.0	1
35.1	0009	4E41		0.0	1
35.6	0010	4G4	POROUS	0.0	1
36.6	0011	4E4	(4G4) MINOR	0.0	1
37.0	0012	4A1		0.0	1
38.1	0013	4G4		0.0	1
40.0	0014	5C4@	(4L2) MINOR	0.0	1
41.6	0015	4G4		0.0	1
41.9	0016	5C4@		0.0	1
42.7	0017	4A1		0.0	1
56.9	0018	5A6		0.0	1
57.7	0019	5D6		0.0	1
61.0	0020	5A6		0.0	1

DDH: FAGU153 UTM-N: 905,081.1 UTM-E: 592,134.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 61.0 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU153	0.0	1.5	PS2		0	0	0	0	27	230	0	1	0	0
FAGU153	0.0	6.4	PS2		0	0	0	0	49	230	0	1	0	0
FAGU153	0.0	11.1	PS2		0	0	0	0	42	230	0	1	0	0
FAGU153	0.0	16.3	PS2		0	0	0	0	77	230	0	1	0	0
FAGU153	0.0	21.6	PS2		0	0	0	0	34	230	0	1	0	0
FAGU153	0.1	42.3	PS2	P	0	0	0	0	0	0	0	1	0	0
FAGU153	0.0	42.4	CS2		0	0	0	0	58	230	0	1	0	0
FAGU153	0.0	44.2	CS2		0	0	0	0	65	230	0	1	0	0
FAGU153	42.3	45.7	CS2	S	0	0	0	0	0	0	0	1	0	0
FAGU153	0.0	46.2	CS2		0	0	0	0	32	230	0	1	0	0
FAGU153	0.0	51.8	CS2		0	0	0	0	19	230	0	1	0	0
FAGU153	0.0	57.9	CS2		0	0	0	0	28	230	0	1	0	0

DDH: FAGU153 UTM-N: 905,081.1 UTM-E: 592,134.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 61.0 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT REC CD	PARLL	UPPER PLANE		INTERNAL PLANE		LOWER PLANE		DHD
FAGU153	23.2	26.9	NNN		C	0	C	0	0	3	1
FAGU153	35.6	36.6	B.		0	0	0	0	0	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U153

Project: Grum Relog

Location: Vangorda Plateau

Claim:

UTM ~~Terr.~~ Plane Co-ords.: 6905081.07 N

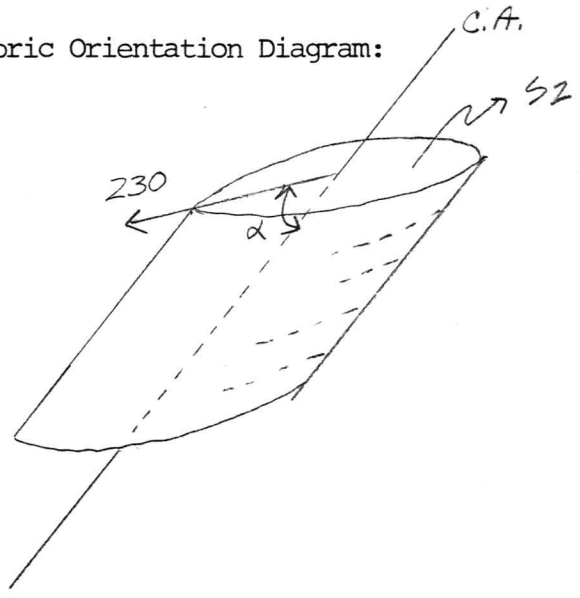
592134.37 E

Grid Co-ords.: 80W/2N

Elevation: 1105.6

Total Depth: 61 m

Fabric Orientation Diagram:



All symmetry determinations looking NW with S_2 dipping SW with dip azimuth 230.

Purpose:

Re Logged by: JSM Date(s) Logged: July 6, 1980

Drilling Contractor:

Core:

Size	From	To
BQ	0	61

Collar Cased and Capped:

Started: 8/21/76 Completed: 8/22/76

Cyprus Anvil Mining Corp.
Diamond Drill Core Log

DDH 76-U-153

Code	Drillhole	Elevation	Northing	Easting	Comments
	2 8	10 16	17 24	25 32	34 48
T	76-U-153	1105.6	9050811.1	592134.4	METRICS

change to 2234 to correspond to True N. instead of UTM North - JGP July/83

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	76-U-153	00	107.2	221.8	ATCOLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
	2 8	10 47

DDH 76-U153

Cyprus Anvil Mining Corp.
Lithologic Log

Logged By: JSM

1981 check:

Code	From	To	Unit	Code	Description	
L	00	168	1	4A4	5-18.5% PbZn; avg ~14%. Red sphal, gal + py	
L	168	183	2	4A1	<5% PbZn	-4A31
L	183	232	3	4A4	5-7% PbZn, as unit 1	4A41 + 3GZ (4A3)
L	232	269	4	4E0	1-2% PbZn note lost core (lost after KA assays)	
L	269	296	5	4A4	up to 12% PbZn, as unit 1 + 3	4A41+3GZ
L	296	305	6	4E0	<1% PbZn	
L	305	320	7	4E4	19.5% PbZn, red sphal + gal decr. below 31.4	(4E4)
L	320	335	8	4A4	70-80% sfd, 16% PbZn, more sfd than units 1,3+5	
L	335	351	9	4E4	High grade, 35% PbZn, red sphal matrix w/ gal, py, + qtz	4E41
L	351	356	10	4G4	? porous sfds, leached barite? } 17% PbZn	
L	356	366	11	4E4	? chewed up core (minor 4G4) }	
L	366	370	12	4A0		4A1
L	370	381	13	4G4	11% PbZn orange sphal + gal	
L	381	400	14	~~4L0~~	altered 5D buff w/ mariposite laminae	5C4* ank. marip
					38.9-39.4 sfd (4LZ) in stp ctc w/ ~~4L~~ 5C	<1% PbZn
L	400	416	15	4G4	5-10% PbZn honey sphal + gal	
L	416	419	16	~~4L0~~	as unit 14	5C4* ank. marip
L	419	427	17	4A0		4A1
L	427	569	18	5A6	slightly calc locally	
L	569	577	19	5D6	Lt. buff-green	
L	577	610	20	5A6	as unit 18	

note 1981 changes
In 1980, "Normal" 4A ie 4A0 included what we have now broken out as "4A1 + 3GZ finely interlaminate"

What the hell ?? is 4A1+3GZ ?! its 4A phyllitic now, what the hell is ---

DDH 76-U153 (2 / 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: JSM

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		1 5	P S 2			2 7 2 3 1 0	R region 0-42.4
S		6 4	P S 2			4 9 2 3 1 0	mostly AA sym not observed due to splitting
S		1 1 1	P S 2			4 2 2 3 1 0	
S		1 6 3	P S 2			7 7 2 3 1 0	
S		2 1 6	P S 2			3 4 2 3 1 0	no S_2 rdgs poss. 21.6-42.3
							comp bndg in 4G = 55° to C.A.
S		4 2 3	F 2	R			S region 42.3-45.7
S		4 2 4	C S 2			5 8 2 3 1 0	
S		4 4 2	C S 2			6 5 2 3 1 0	
S		4 5 7	F 2	S			No sym because S_2 is too stp to orient core 45.7-61.0
S		4 6 2	C S 2			3 2 2 3 1 0	
S		5 1 8	C S 2			1 9 2 3 1 0	
S		5 7 9	C S 2			2 8 2 3 1 0	
S		6 1 0	F 2				EDH

DDH 76-U-153

Cyprus Anvil Mining Corp.

Geochemical Log (Sampler's Copy)

Logged By: JSM

Sampled By:

Code	From	To	Sample No.	Description	Length	Recovery	Unit
P	100	115	147116	KA	1.5	0.5	4A4
P	115	130	147117	KA	1.5	1.2	4AA
P	130	146	147118	KA	1.6	1.5	4AA
P	146	161	147119	KA	1.5	1.5	4AA
P	161	176	147120	KA	1.5	1.5	4A4
P	176	191	147121	KA	1.5	1.5	4AA
P	191	1107	147122	KA	1.6	1.6	4AA
P	1107	1122	147123	KA	1.5	1.5	4A4
P	1122	1137	147124	KA	1.5	1.3	4AA
P	1137	1152	147125	KA	1.5	1.2	4AA
P	1152	1168	147126	KA	1.6	1.5	4AA
P	1168	1183	147127	KA	1.5	1.2	4A1
P	1183	1198	147128	KA	1.5	1.5	4A4
P	1198	1213	147129	KA	1.5	1.1	4AA
P	1213	1229	147130	KA	1.6	1.0	4AA
P	1229	1244	147131	KA	1.5	0.9	4AA,4E0
P	1244	1259	147132	KA	1.5	1.3	4E0
P	1259	1274	147133	KA	1.5	1.4	4E0,4A4
P	1274	1290	147134	KA	1.6	1.2	4AA
P	1290	1305	147135	KA	1.5	1.3	4AA,4E0
P	1305	1320	147136	KA	1.5	1.2	4E4
P	1320	1335	147137	KA	1.5	1.4	4A4
P	1335	1351	147138	KA	1.6	1.3	4E4
P	1351	1366	147139	KA	1.5	1.2	4E4
P	1366	1381	147140	KA	1.5	1.4	4A0,4G4
P	1381	1396	147141	KA	1.5	1.5	4L0
P	1396	1422	147142	KA	2.6	1.9	4L0,4G4,4L0,4AA

Section 80W Logged in 1980, Sampled 1981

DDH FAGU153 Cyprus Anvil Mining Corp Page ____ of ____

Logged by JSM + checked 1981

ASSAY LOG (SAMPLER'S COPY) Date 6/81 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
A	100	130	68136	30	15	4AHV	+3Gz finely intbndd (4D4)
A	130	153	68137	23	21	4A411	+3Gz (4D4)
A	153	173	68138	20	20	4A411	+3Gz (4D4)
A	173	191	68139	18	18	4A411	+3Gz (4D4)
A	191	1113	68140	22	21	4A411	+3Gz (4D4)
A	1113	1131	68141	18	18	4A411	+3Gz (4D4)
A	1131	1152	68142	21	21	4A411	+3Gz (4D4)
A	1152	1168	68143	16	16	4A411	+3Gz (4D4)
A	1168	1183	68144	15	15	4A31	
A	1183	1198	68145	15	15	4A411	+3Gz (4A3)
A	1198	1217	68146	19	15	4A411	+3Gz
A	1217	1232	68147	15	15	4A411	+3Gz
A	1232	1252	68148	20	16	4E101	Note core loss
A	1252	1269	68149	17	16	4E10	note core loss
A	1269	1296	68150	27	27	4A411	+3Gz
A	1296	1305	68151	09	07	4E10	
A	1305	1320	68152	15	14	4E14	
A	1320	1335	68153	15	14	4A41	
A	1335	1351	68154	16	10	4E141	
A	1351	1356	68155	05	04	4G141	(4E4 porous)
A	1356	1366	68156	10	08	4E14	
A	1366	1370	68157	04	04	4A11	
A	1370	1381	68158	11	10	4G14	
A	1381	1400	68159	14	14	5C14*	ank marip +minor sfds
A	1400	1416	68160	16	12	4G4	
A	1419	1427	68161	08	08	4A11	

DDH FAGU153 (2 Meters 8)

Cyprus Anvil Mining Corp.

Structural Log

Page _____ of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	123 2	269	N N N					
F	356	366	B					

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO D.D.H. Nº 76-U-153 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE 10,879.100 80W STARTED AUGUST 21, 1976

DEPARTURE 7,443.537 2N + 17m COMPLETED AUGUST 22, 1976

ELEVATION 1,113.226 PROPOSED DEPTH 61m

ULTIMATE DEPTH 61m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	223° 22'	-17° 13'

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 87%

Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	42.2	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent.	30	7	0.5	4716	0	1.5	1.5	4.42	9.69	63.43			6.63	14.54	95.15
		F = 35-40°; F = 0-5°. Series of small F noses.	30	7	1.2	4717	1.5	3.0	1.5	5.78	9.47	78.86			8.67	14.21	118.29
		Closures form ellipsoidal conic section (drill per-	25	6	1.5	4718	3.0	4.6	1.6	2.88	5.78	44.23			4.61	9.25	70.77
		haps intersecting F at almost tangential angle).	30	8	1.5	4719	4.6	6.1	1.5	5.82	9.22	94.63			8.73	13.83	141.95
		23.0-27: Massive sulfide, structureless. Contacts	35	9	1.5	4720	6.1	7.6	1.5	3.60	8.50	50.40			5.40	12.75	75.6
		gradual.	35	9	1.5	4721	7.6	9.1	1.5	6.07	12.53	30.57			9.11	18.80	120.86
		30-32: Massive sulfide with porous variety. Voids	30	10	1.6	4722	9.1	10.7	1.6	6.19	12.47	80.57			9.90	19.95	128.91
		aligned = 80° (MV).	25	9	1.5	4723	10.7	12.2	1.5	4.30	7.37	59.31			6.45	11.06	88.97
		37-38.1: Sulfides (Mb) impregnated in barite ground-	30	8	1.3	4724	12.2	13.7	1.5	4.55	8.95	64.46			6.83	13.43	96.69
		mass. Not massive sulfide but more like dissemination Ba = 30%; Sulfides = 65%	30	10	1.2	4725	13.7	15.2	1.5	3.50	8.10	55.54			5.25	12.15	83.31
		38.1-39.9: Bleached phyllite interval. Buff with	30	8	1.5	4726	15.2	16.8	1.6	2.13	3.83	33.26			3.41	6.13	53.22
		prominent fuchsite laminae. Foliation =	40	6	1.2	4727	16.8	18.3	1.5	1.40	1.90	22.29			2.10	2.85	33.44
		35-40°. 1st contact sharp = 30°, 2nd =35°	30	6	1.5	4728	18.3	19.8	1.5	1.68	3.75	30.17			2.52	5.63	45.26
		42.2: Sharp contact with graphitic phyllite (G).	30	5	1.1	4729	19.8	21.3	1.5	2.15	4.55	35.31			3.23	6.83	52.97
		Contact marked by 10cm bleached phyllite.	30	7	1.0	4730	21.3	22.9	1.6	3.38	7.26	48.34			5.41	11.62	77.34
		Plane = 45°.	70	4	0.9	4731	22.9	24.4	1.5	1.18	1.40	24.34					
42.2	61.0	GRAPHITIC PHYLLITE (G). Broken fissile core.	75	3	1.3	4732	24.4	25.9	1.5	0.53	0.93	15.09					

LOGGED BY _____ D.D.H. NO 76-U-153 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		Foliation F_2 = 45-50°; F_1 = 10-15°. 75 7	1.4	4733	25.9	27.4	1.5	1.85	2.70	35.31					
		Sporadic sulfide laminae: Py = 2%; PbZn = 1% 40 10	1.2	4734	27.4	29.0	1.6	4.40	8.25	60.34			7.04	13.20	96.54
		49.4: Sulfide showing decreasing from this point on. 60 8	1.3	4735	29.0	30.5	1.5	2.15	2.70	33.26			3.23	4.05	49.89
		Foliation = 15°; F_1 = 45-55°. F_2 fold nose 75 10	1.2	4736	30.5	32.0	1.5	8.41	11.16	124.5			12.62	16.74	186.69
		@ 53.3 40 10	1.4	4737	32.0	33.5	1.5	7.06	9.10	104.9			10.59	13.65	157.35
		70 10	1.3	4738	33.5	35.1	1.6	12.69	22.34	195.8			20.30	35.89	313.23
		55.8: F_2 = 45-5°; 70 10	1.2	4739	35.1	36.6	1.5	6.47	11.46	98.74			9.71	17.19	148.11
		F_1 = 0-5°. 70 8	1.4	4740	36.6	38.1	1.5	5.27	6.58	86.74			7.91	9.87	130.11
		57.4-57.9: Bleached phyllite. Buff to green 20 3	1.5	4741	38.1	39.6	1.5	0.95	0.80	16.11			1.43	1.20	24.17
		Foliation = 15°. 40 4	1.9	4742	39.6	42.2	2.6	5.42	7.19	90.86			14.09	18.69	236.24
		59.4-61: Foliation changes again to F_2 = 35-40°; F_1 =													
		0-20° (opposite dip of F_2).	17.7		42.2	61.0	18.8								
	61.0	END OF HOLE.		W.Av.	0	15.2	15.2	4.71	9.21	67.14			71.58	139.97	102.05
				"	4.6	10.7	6.1	5.43	10.71	76.61			33.14	65.33	467.32
				"	15.2	19.8	4.6	1.75	3.18	28.68			8.03	14.61	131.92
				"	19.8	22.9	3.1	2.79	5.95	42.04			8.64	18.45	130.31
				"	27.4	42.2	14.8	5.87	8.82	90.7			86.92	130.48	1342.4
				"	30.5	36.6	6.1	8.72	13.68	132.0			53.22	83.47	805.41
				"	27.4	30.5	3.1	3.31	5.56	47.2			10.27	17.25	146.43
				"	30.5	38.1	7.6	8.04	12.28	123.1			61.13	93.34	935.52
				W.Av	38.1	42.2	4.1	3.79	4.85	63.5			15.52	19.89	260.41

DDH: FAGU153 -- 132 DEGREE PROFILE

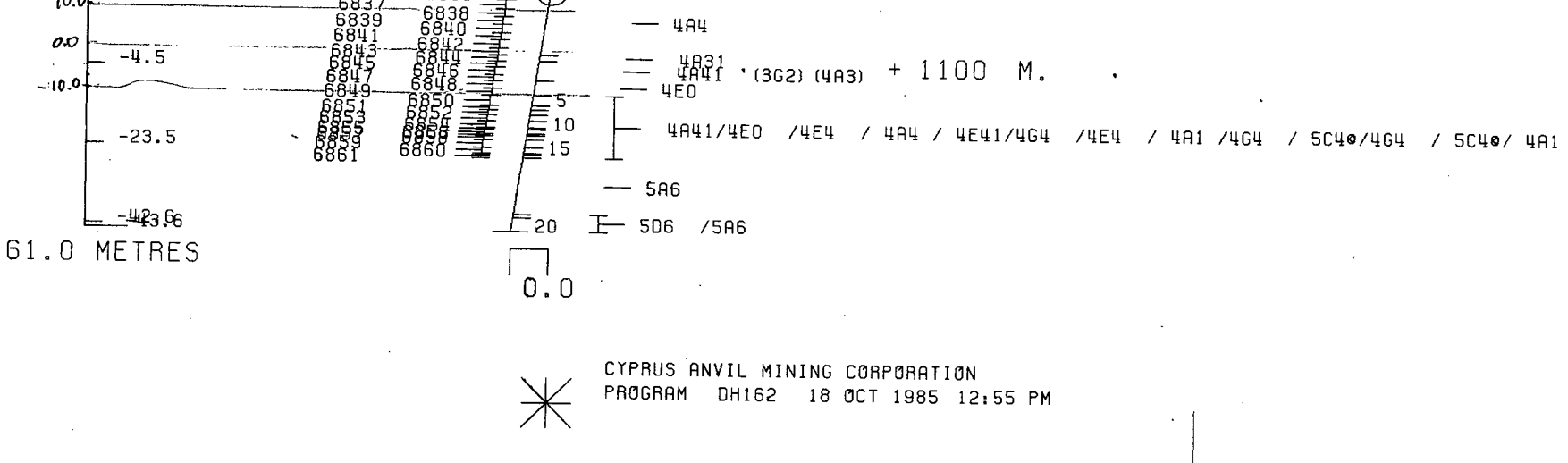
(VIEW AZIMUTH = 42 DEGREES)

ELEV:1106 592134E ; 905081N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 272.1 Z = 1105.6

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 18 OCT 1985 12:55 PM

DDH: FAGU153 -- 132 DEGREE PROFILE

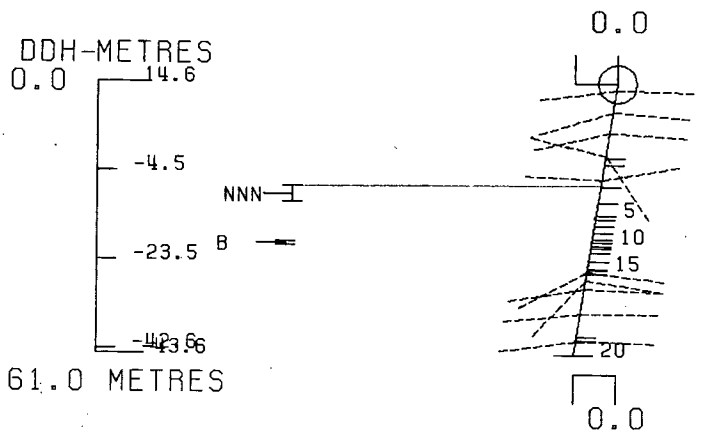
(VIEW AZIMUTH = 42 DEGREES)

ELEV:1106 592134E ; 905081N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 272.1 Z = 1105.6

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 18 OCT 1985 12:54 PM

FAGU155

DDH	SAMPLE	----DEPTHS---- FROM	TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PC %	PY %	BAC %	PB+ZN %	PC+PY %	ZN RATIO
FAGU155	9718	2.1	4.2	2.1	57	4A3		.09	.14	.61	6.0					.75		.81
	9719	4.2	6.3	2.1	100	4A3		.14	.11	.49	11.0					.60		.82
	9720	6.3	8.4	2.1	100	4A3	3.36	.21	.57	1.39	21.0	.55	2.42	17.50		1.96	19.92	.71
	9721	8.4	10.4	2.0	100	4A3	3.37	.19	.90	1.77	20.0	.75	2.44	16.50		2.67	18.94	.66
	9722	10.4	12.5	2.1	100	4A1	3.46	.14	.87	1.45	20.0	.75	2.14	19.00		2.32	21.14	.63
	9723	12.5	14.5	2.0	100	4A1	3.54	.18	.43	1.04	15.0	.82	1.69	21.90		1.47	23.59	.71
	9724	14.5	16.5	2.0	95	4A1		.20	.14	.70	8.0					.84		.83
	9725	16.5	18.5	2.0	100	4A1		.23	.15	.63	10.0					.78		.81
	9726	18.5	20.5	2.0	100	4A1		.19	.09	.90	7.0					.99		.91
	9727	20.5	22.5	2.0	100	4A1		.14	.05	.35	5.0					.40		.88
	9728	22.5	24.5	2.0	90	4A1		.22	.08	.50	7.0					.58		.86
	9729	24.5	26.5	2.0	100	4A1		.26	.19	.58	10.0					.77		.75
	9730	26.5	27.2	.7	100	4C0		.16	.43	1.29	11.0					1.72		.75
	9731	27.2	27.8	.6	100	4A31		.09	.62	1.17	13.0					1.79		.65
	9732	27.8	30.4	2.6	100	4CA		.32	.19	.68	9.0					.87		.78
	9733	30.4	31.8	1.4	86	4CA		1.00	.05	.50	14.0					.55		.91
	9734	31.8	32.5	.7	100	4A31		.50	.04	.43	10.0					.47		.91
	9735	32.5	34.5	2.0	100	4CAE		.56	.05	.93	16.0					.98		.95
	9736	34.5	36.5	2.0	100	4CAE	3.39	.42	.06	1.14	12.0	.14	5.10	17.40		1.20	22.50	.95
	9737	36.5	37.5	1.0	100	4CAE	3.88	.35	.26	2.97	18.0	.21	6.10	26.40		3.23	32.50	.92
	9738	37.5	39.0	1.5	100	4CAE	3.38	.55	.13	1.27	16.0	.41	5.10	16.80		1.40	21.90	.91
	9739	39.0	41.0	2.0	95	4C8	4.23	.31	.14	1.47	18.0	.14	11.40	28.50		1.61	39.90	.91
	9740	41.0	43.0	2.0	100	4C8	3.81	.25	.53	1.77	26.0	.21	8.10	24.10		2.30	32.20	.77
	9741	43.0	45.0	2.0	100	4C98	3.57	.65	.20	1.05	22.0	.55	5.40	22.40		1.25	27.80	.84
	9742	45.0	47.3	2.3	100	4C98	3.78	.55	.18	1.59	21.0	.48	4.20	27.10		1.77	31.30	.90
	9743	47.3	49.6	2.3	100	4C98	3.69	.24	.21	.51	15.0	1.23	2.10	28.60		.72	30.70	.71
	9744	49.6	51.0	1.4	100	4DA4	3.61	.18	5.59	8.37	96.0	1.09	2.72	16.10		13.96	18.82	.60
	9745	51.0	53.0	2.0	80	4E0		.33	.52	.96	26.0					1.48		.65

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT % CPY	GA	SP	PO	PY	BAR	OTHER	*	NORMATIVE MINERALS - VOLUME % CPY	GA	SP	PO	PY	BAR	OTHER
FAGU155	9718	4A3	.26	.16	.91				98.67	*							
	9719	4A3	.40	.13	.73				98.74	*							
	9720	4A3	.61	.66	2.07	3.81	37.63		55.22	*	.50	.30	1.79	2.83	25.79		68.80
	9721	4A3	.55	1.04	2.64	3.84	35.48		56.45	*	.44	.47	2.24	2.84	24.15		69.85
	9722	4A1	.40	1.00	2.16	3.37	40.86		52.20	*	.34	.47	1.89	2.55	28.52		66.24
	9723	4A1	.52	.50	1.55	2.66	47.10		47.68	*	.44	.24	1.39	2.07	33.75		62.11
	9724	4A1	.58	.16	1.04				98.22	*							
	9725	4A1	.66	.17	.94				98.22	*							
	9726	4A1	.55	.10	1.34				98.01	*							
	9727	4A1	.40	.06	.52				99.02	*							
	9728	4A1	.64	.09	.75				98.53	*							
	9729	4A1	.75	.22	.86				98.16	*							
	9730	4C0	.46	.50	1.92				97.12	*							
	9731	4A31	.26	.72	1.74				97.28	*							
	9732	4CA	.92	.22	1.01				97.84	*							
	9733	4CA	2.89	.06	.75				96.31	*							
	9734	4A31	1.44	.05	.64				97.87	*							
	9735	4CAE	1.62	.06	1.39				96.94	*							
	9736	4CAE	1.21	.07	1.70	8.02	37.42		51.58	*	1.01	.03	1.48	6.07	26.07		65.34
	9737	4CAE	1.01	.30	4.43	9.59	56.77		27.89	*	.96	.16	4.43	8.35	45.47		40.62
	9738	4CAE	1.59	.15	1.89	8.02	36.13		52.22	*	1.31	.07	1.64	6.05	25.06		65.86
	9739	4C8	.90	.16	2.19	17.93	61.29		17.53	*	.91	.09	2.35	16.72	52.58		27.35
	9740	4C8	.72	.61	2.64	12.74	51.83		31.46	*	.67	.32	2.59	10.87	40.67		44.88
	9741	4C98	1.88	.23	1.57	8.49	48.17		39.66	*	1.67	.12	1.46	6.90	35.99		53.87
	9742	4C98	1.59	.21	2.37	6.61	58.28		30.95	*	1.49	.11	2.34	5.67	45.99		44.40
	9743	4C98	.69	.24	.76	3.30	61.50		33.50	*	.65	.13	.74	2.81	48.07		47.60
	9744	4DA4	.52	6.46	12.48	4.28	34.62		41.65	*	.46	3.18	11.51	3.43	25.55		55.88
	9745	4E0	.95	.60	1.43				97.01	*							

DRILL HOLE : FAGU155

NORTHING : 904,788.5

EASTING : 592,443.3

ELEVATION : 1,166.8

TOTAL DEPTH : 61.0

SECTION : W 66

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: 28

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 12

NOS DOWN-H-STRUCTURE: 8

NOS DOWN-H-FAULTS: 12

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU155 UTM-N: 904,788.5 UTM-E: 592,443.3 UTM-ELEV: 1,166.8 TOTAL DEPTH: 61.0 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
2.1	4.2	09718	2.1	1.2	4A3		.09	.14	.61	6.00											
4.2	6.3	09719	2.1	2.1	4A3		.14	.11	.49	11.00											
6.3	8.4	09720	2.1	2.1	4A3	3.36	.21	.57	1.39	21.00		.55	2	17	19						
8.4	10.4	09721	2.0	2.0	4A3	3.37	.19	.90	1.77	20.00		.75	2	16	18						
10.4	12.5	09722	2.1	2.1	4A1	3.46	.14	.87	1.45	20.00		.75	2	19	21						
12.5	14.5	09723	2.0	2.0	4A1	3.54	.18	.43	1.04	15.00		.82	1	21	23						
14.5	16.5	09724	2.0	1.9	4A1		.20	.14	.70	8.00											
16.5	18.5	09725	2.0	2.0	4A1		.23	.15	.63	10.00											
18.5	20.5	09726	2.0	2.0	4A1		.19	.09	.90	7.00											
20.5	22.5	09727	2.0	2.0	4A1		.14	.05	.35	5.00											
22.5	24.5	09728	2.0	1.8	4A1		.22	.08	.50	7.00											
24.5	26.5	09729	2.0	2.0	4A1		.26	.19	.58	10.00											
26.5	27.2	09730	.7	.7	4C0		.16	.43	1.29	11.00											
27.2	27.8	09731	.6	.6	4A31		.09	.62	1.17	13.00											
27.8	30.4	09732	2.6	2.6	4CA		.32	.19	.68	9.00											
30.4	31.8	09733	1.4	1.2	4CA		1.00	.05	.50	14.00											
31.8	32.5	09734	.7	.7	4A31		.50	.04	.43	10.00											
32.5	34.5	09735	2.0	2.0	4CAE		.56	.05	.93	16.00											
34.5	36.5	09736	2.0	2.0	4CAE	3.39	.42	.06	1.14	12.00		.14	5	17	22						
36.5	37.5	09737	1.0	1.0	4CAE	3.88	.35	.26	2.97	18.00		.21	6	26	32						
37.5	39.0	09738	1.5	1.5	4CAE	3.38	.55	.13	1.27	16.00		.41	5	16	21						
39.0	41.0	09739	2.0	1.9	4C8	4.23	.31	.14	1.47	18.00		.14	11	28	39						
41.0	43.0	09740	2.0	2.0	4C8	3.81	.25	.53	1.77	26.00		.21	8	24	32						
43.0	45.0	09741	2.0	2.0	4C98	3.57	.65	.20	1.05	22.00		.55	5	22	27						
45.0	47.3	09742	2.3	2.3	4C98	3.78	.55	.18	1.59	21.00		.48	4	27	31						
47.3	49.6	09743	2.3	2.3	4C98	3.69	.24	.21	.51	15.00		1.23	2	28	30						
49.6	51.0	09744	1.4	1.4	4DA4	3.61	.18	5.59	8.37	96.00		1.09	2	16	18						
51.0	53.0	09745	2.0	1.6	4E0		.33	.52	.96	26.00											
WEIGHTED AVERAGE																					
2.1	53.0		50.9	49.0		1.75	.30	.41	1.21	16.70		.27	2	10	12						

DDH: FAGU155 UTM-N: 904,788.5 UTM-E: 592,443.3 UTM-ELEV: 1,166.8 TOTAL DEPTH: 61.0 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	146.000	224.000

DDH: FAGU155 UTM-N: 904,788.5 UTM-E: 592,443.3 UTM-ELEV: 1,166.8 TOTAL DEPTH: 61.0 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
10.4	0001	4A3	(4C0) MINOR	0.5-	1
26.5	0002	4A1	-> 4C0	0.5-	1
27.2	0003	4C0		0.5-	1
27.8	0004	4A31		0.5-	1
31.8	0005	4C0	-> 4A3 LOCALLY	0.5-	1
32.5	0006	4A31		0.5-	1
39.0	0007	4C3	(4A13) (4E0)	0.5-	1
43.0	0008	4C8		0.5-	1
49.6	0009	4C98	BXA	0.5-	1
51.0	0010	4D4	(4A0) (5A) BXA	0.5-	1
53.0	0011	4E0		0.5-	1
61.0	0012	5A0		0.5-	1

DDH: FAGU155 UTM-N: 904,788.5 UTM-E: 592,443.3 UTM-ELEV: 1,166.8 TOTAL DEPTH: 61.0 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU155	0.0	3.1	CS2	0	0	0	C	21	230	C	1	1	1
FAGU155	0.0	7.7	CS2	0	0	0	C	36	230	C	1	1	1
FAGU155	0.0	14.3	CS2	0	0	0	0	41	230	C	1	1	1
FAGU155	0.0	21.0	CS2	0	0	0	C	41	230	0	1	1	1
FAGU155	0.0	27.7	CS2	0	0	0	0	35	230	0	1	1	1
FAGU155	0.0	53.7	CS2	0	0	0	C	48	230	0	1	1	1
FAGU155	0.0	56.9	CS2	0	0	0	C	22	230	C	1	1	1
FAGU155	0.0	60.7	CS2	0	0	0	C	16	230	0	1	1	1

DDH: FAGU155 UTM-N: 904,788.5 UTM-E: 592,443.3 UTM-ELEV: 1,166.8 TOTAL DEPTH: 61.0 SECTION: W 66
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
FAGU155	0.1	6.0	BX		0	0	0	0	0	0	1
FAGU155	34.2	34.7	B		0	0	0	0	0	0	1
FAGU155	35.1	35.5	X		0	0	0	0	0	0	1
FAGU155	35.5	36.0	B		0	0	0	0	0	0	1
FAGU155	36.4	37.0	X		0	0	0	0	0	0	1
FAGU155	37.2	37.5	B		0	0	0	0	0	0	1
FAGU155	39.0	43.0	1X		0	0	0	0	0	0	1
FAGU155	46.0	46.5	X		0	0	0	0	0	0	1
FAGU155	49.6	51.0	XS?		0	0	0	0	0	0	1
FAGU155	53.0	53.5	G		99	999	0	0	0	0	1
FAGU155	53.5	56.4	B		0	0	0	0	0	0	1
FAGU155	59.5	60.5	GP		99	999	0	0	0	0	1

DDH: FAGU155 UTM-N: 904,788.5 UTM-E: 592,443.3 UTM-ELEV: 1,166.8 TOTAL DEPTH: 61.0 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU155	1	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U155

Project: GRUM RELOG

Location: VANGORDA PLATEAU

Claim:

UTM (~~Terr.~~) Plane Co-ords.: 6,904,789.74 N (corrected above: 8 5)

592,444.81 E (corrected above: 3 3414)

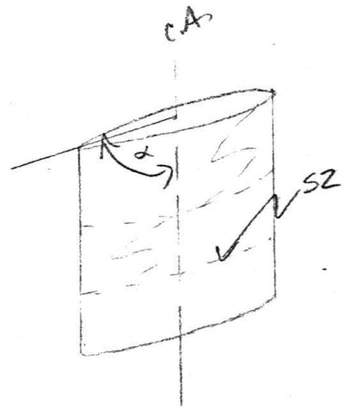
(margin note: ...nversion of ...-A surveyed grid co-ords)

Grid Co-ords.: 66W / 2N

Elevation: 1166.79

Total Depth: 61.0 m

Fabric Orientation Diagram:



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

Purpose:

RE Logged by: PN

Date(s) Logged: AUG.22/80

Drilling Contractor:

Core:

Size	From	To
BQ	0	EOH

Collar Cased and Capped:

Started: AUG.24/76 Completed: AUG.25/76

Cyprus Anvil Mining Corp.
Diamond Drill Core Log

DDH 76-U-155

Code	Drillhole	Elevation	Northing	Easting	Comments
	2 8	10 16	17 24	25 32	34 48
T	76-U-155	1166.8	904788.5	592443.8/3	METRIC

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	76-U-155	00	146.0	224.0	ATCOLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
	2 8	10 47

Cyprus Anvil Mining Corp.

Lithologic Log

Logged By: PN / P8T

Code (1)	From (10–14)	To (16–20)	Unit (22 23)	Code (25–27)	Description
L	00	104	1	4A13	(4CO) 0-6m. poor recovery, broken core; brecciated w/ qtz & py clasts 5.0-6.6m; < 3% PbZn; 4CO 9.1-9.7m; 4A3 interval 10-15% py
L	104	265	2	4A1	3 very siliceous; gradually grading into & out of 4CO w/ minor graphite; also minor 4A3 intervals; 20-30% py (↗ graphitic laminae 10-20% of rock.
L	265	272	3	4C0	< 1% PbZn;
L	272	278	4	4A3	1 < 1% PbZn; 4A31;
L	278	318	5	4C0	minor mtat 28.2m (0.1m); 29.2m (0.1m); 30.4 to E of 1 mcp in fractures. 4A13 amounts to 0.1m ... 2 interbands 29-30
L	318	325	6	4A3	1 <1% PbZn,
L	325	390	7	4C0	(4A13, 4E0) 4A13 (32.8-33.3; 34.5-35.1) 4CO 50% py, minor cp in fractures sub // ca mgt (0.1m) at 37.0; broken core 34.2-34.7, 35.4-36; 37.2-37.5; Bx 35.1-35.5 Bx 36.4-37.0 < 1% Pb+Zn; 36.4-37.1 4E0 bx.
L	390	430	8	4C8	< 3% PbZn; 5% mgte as laminae and clots to 1.5cm: bxion present. fracturing sub // ca and wea... minor cp s...
L	430	496	9	4C9	minor cpy stringers; few mt blebs; brecciated 46.0-46.5m; Cu >0.3% Frac at 46.0 // c.a.
L	496	510	10	4D4	(4A0, 5A) see nb1 below
L	510	530	11	4E0	see nb2 below
L	530	610	12	5A0	calcareous fracture fillings; gouge 53.0-53.5, 59.5-59.7m; broken core 53.5-56.4m minor py string... 59.4-59.5, 60.5-61.0m 5B6; gouge 59.5-60.5, poor recovery; 000 59.2-59.4m; weakly calcareous 5A
		EOH			
					@ 59.7 gouge ≈ // S_2 ?? (caused by drilling?) also @ 53 ≈ sub // S2
nb1	496	510		4D4	(4A0, 5A) fractured sub // c.a. 4A as fragments in 4D4 matrix; 50.7-51.0 5A in shear with minor 4A bxtd. Cut with next unit as graphitic shear 0-10° to c.a.
nb2	510	530		4E0	weakly fractured sub // c.a., ankerite sealed. <2% qtz as tiny clots. Qtz though laminated (51.8-52.2) occurs as 2nd veins. lower cut shear // S_2
					NB unit 8 approachs 4E8 over 50% of unit.

DDH 76-U-155

Cyprus Anvil Mining Corp.

Structural Log

Logged By: PN

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
	10 14	16 20	22 24	26	28 32	34 38	
S		31	CS12			21 230	very few Symmetry determinations available since core previously split ∴ only S2-C.A. angles measured;
S		97	CS12			316 230	
S		143	CS12			41 230	
S		210	CS12			41 230	
S		277	CS12			315 230	No measurements available 27.7-53.7 m;
S		537	CS12			48 230	
S		569	CS12			222 230	
S		607	CS12			16 230	
		EOH					

DDH 76-U-155 (2 / 8)

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

Logged By: PN

Sampled By: KA

Code	From	To	Sample No.	Description			
1	10 14	16 20	22 27		LENGTH	REC.	UNIT
P	115	146	147154	KA	3.1	0.8 ✓	4A3
P	146	176	147155	KA	3.0	1.7 ✓	4A3
P	176	191	147156	KA	1.5	1.3	4A3
P	191	1107	147157	KA	1.6	1.6	4A3 | 4A1
P	1107	1122	147158	KA	1.5	1.4	4A1
P	1122	1137	147159	KA	1.5	1.3	4A1
P	1137	1152	147160	KA	1.5	1.2	4A1
P	1152	1168	147161	KA	1.6	1.1	4A1
P	1168	1198	147162	KA	3.0	2.4	4A1
P	1198	2229	147163	KA	3.1	2.9	4A1
P	2229	2259	147164	KA	3.0	2.5	4A1
P	2259	2290	147165	KA	3.1	2.3	4A1 | 4C0 | 4A3
P	2290	3320	147166	KA	3.0	2.7	4C0 | 4A3
P	3320	3351	147167	KA	3.1	2.8	4A3 | 4C0
P	3351	3381	147168	KA	3.0	2.4	4C0
P	3381	4111	147169	KA	3.0	2.9	4C0 | 4C8
P	4111	4142	147170	KA	3.1	2.5	4C8 | 4C0
P	4142	4172	147171	KA	3.0	2.8	4C0
P	4172	5103	147172	KA	3.1	3.0	4C0 | 4A4
P	5103	5330	147173	KA	2.7	2.3	4A4 | 4C0

DDH 76-41 55 **Cyprus Anvil Mining Corp**

ASSAY LOG (SAMPLER'S COPY)

Logged by [illegible]

Date Aug 19/81 Sampled by W.B.

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION	
1	10 14	16 20	22 26	28 30	32 34	36 40	42	
	00	21		21	02	4A3	(4C0)	
P	21	42	9718	21	12	4A3	(4C0)	1
P	42	63	9719	21	21	4A3	(4C0)	
P	63	84	9720	21	21	4A3	(4C0)	
P	84	104	9721	20	20	4A3	(4C0)	
P	104	125	9722	21	21	4A13		
P	125	145	9723	20	20	4A13		2
P	145	165	9724	20	17	4A13		
P	165	185	9725	20	20	4A13		
P	185	205	9726	20	20	4A13		
P	205	225	9727	20	20	4A13		
P	225	245	9728	20	18	4A13		
P	245	265	9729	20	20	4A13		
P	265	272	9730	07	07	4C0		3
P	272	278	9731	06	06	4A31		4
P	278	304	9732	26	26	4C0		
P	304	318	9733	12	12	4C0		5
P	318	325	9734	07	07	4A31		6
P	325	345	9735	20	20	4C0	(4A13)	7
P	345	365	9736	20	20	4C0	(4E0) bx	7
P	365	375	9737	20	12	4C0	(4A13)	
P	375	390	9738	15	15	4C0	(4A13)	
P	390	410	9739	20	19	4C8		8
P	410	430	9740	20	20	4C8		
P	430	450	9741	20	20	4C9		
P	450	473	9742	23	23	4C9		9
P	473	496	9743	23	23	4C9		
P	496	510	9744	14	14	4D4	(4A0, SA)	10
P	510	530	9745	20	16	4E0		11

DDH FAGU155 (2 M 8) Cyprus Anvil Mining Corp. Page _____ of _____

Structural Log Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
A	001	060	B X					
E	342	347	B					
E	354	360	B					
E	372	375	B					
E	351	355	X					
E	364	370	X					
E	390	430	I X					
E	460	465	X					
E	530	535	G		99 999			?
	~~515~~	~~518~~	G					
E	533	564	B					
E	595	605	G A		99 999			?
E	476	510	X S ?					0-10° to CA ??

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

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO D.D.H. Nº 76-U-155 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE * 10,578 2N+5NE STARTED AUGUST 24, 1976

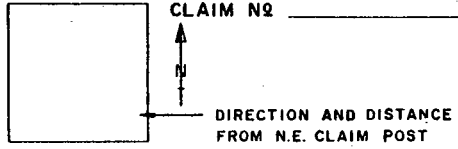
DEPARTURE 7,744.5 66W COMPLETED AUGUST 25, 1976

ELEVATION 1,177.4 PROPOSED DEPTH 61m

ULTIMATE DEPTH 61m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	-56°

CLAIM Nº



DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 77.2%

Interval From	Interval To	DESCRIPTION		Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	38.1	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent.	20 3	0.8	4754	1.5	4.6	3.1	0.10	0.30	5.14					
		Changing foliation. 0-16.8: Foliation = 15-20°	25 2	1.7	4755	4.6	7.6	3.0	0.20	1.00	8.23					
		and at 16.9-21.3: Foliation = 45-50°.	30 6	1.3	4756	7.6	9.1	1.5	1.78	1.95	30.17					
		F /F very well shown at 19.8-22.9.	30 6	1.6	4757	9.1	10.7	1.6	1.23	2.30	17.14					
		1 2 0-1.5: No core recovered.	35 4	1.4	4758	10.7	12.2	1.5	1.30	2.25	18.17					
		1.5-4.6: Broken core. No gouge. Poor recovery.	35 4	1.3	4759	12.2	13.7	1.5	0.55	1.35	12.00					
		5-6: Bx. Phyllite, quartz with sulfide fragments Ø	35 2	1.2	4760	13.7	15.2	1.5	0.43	0.58	10.97					
		= 1mm-2cm cemented by graphite.	30 3	1.1	4761	15.2	16.8	1.6	0.08	0.98	4.11					
		16-16.8: Barite prisms in cavity wall. Small fissure	25 4	2.4	4762	16.8	19.8	3.0	0.18	0.60	8.91					
		= 7°. 34.0: Shear.	25 4	2.9	4763	19.8	22.9	3.1	0.05	0.98	4.11					
		38.1: Gradual change to Quartz-sulfide (P).	25 4	2.5	4764	22.9	25.9	3.0	0.18	0.73	8.23					
			30 4	2.3	4765	25.9	29.0	3.1	0.48	0.73	8.91					
38.1	53.0	QUARTZ-SULFIDE (P). Competent. Very siliceous ground	30 3	2.7	4766	29.0	32.0	3.0	0.05	0.78	9.94					
		mass. Bands of Po and Mgtt at 39-41.1.	35 3	2.8	4767	32.0	35.1	3.1	0.10	1.13	12.00					
		Foliation = 60°. Compositional banding in wider	45 4	2.4	4768	35.1	38.1	3.0	0.13	2.08	13.03					
		sulfide run = 65-70°.	45 3	2.9	4769	38.1	41.1	3.0	0.20	1.65	14.06					
		50.6-51.3: Graphitic phyllite interval (G).	35 3	2.5	4770	41.1	44.2	3.1	0.63	1.88	22.9					

LOGGED BY _____ D.D.H. NO 76-U-155 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		Broken core. Contact apparently sharp = 30° (?) 40 4	2.8	4771	44.2	47.2	3.0	0.20	1.33	15.09					
		(Based on fragmentary core). 40 5	3.0	4772	47.2	50.3	3.1	1.08	1.53	22.29					
		53.0: Sharp change to Graphitic Phyllite (G) = 35°. 50 6	2.3	4773	50.3	53.0	2.7	1.80	3.65	38.40			4.86	9.86	103.68
53.0	61.0	GRAPHITIC PHYLLITE (G). Broken, flakey core. Flakes	5.2		53.0	61.0	8.0								
		appear to break parallel to F (?) = 10-15°.													
		59.5: Small fault. Balck gouge with graphite flakes.		W.Av.	1.5	7.6	6.1	0.79	PbZn						
				W.Av.	7.6	12.2	4.5	3.68	PbZn						
				W.Av.	12.2	35.1	22.9	1.06	PbZn						
	61.0	END OF HOLE.		W.Av.	35.1	50.3	15.2	2.15	PbZn						
				W.Av.	50.3	53.0	3.0	1.73	3.44	36.79			5.18	103.2	110.37

FAGU159

DDH	SAMPLE	----DEPTHS--- FROM	TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
FAGU159	9524	19.7	21.7	2.0	100	4A0		.09	.24	.52	15.0					.76		.68
	9525	21.7	23.7	2.0	45	4A0		.17	.08	1.05	20.0					1.13		.93
	9526	23.7	25.7	2.0	85	4A0		.12	1.00	.22	41.0					1.22		.18
	9527	25.7	27.7	2.0	80	4A0	3.10	.10	.34	.59	16.0	.69	.20	14.20		.93	14.40	.63
	9528	27.7	29.0	1.3	38	4A4	3.59	.09	4.30	7.80	73.0	1.85	.88	14.10		12.10	14.98	.64
	9529	29.0	30.5	1.5	73	4D4	3.53	.20	7.10	11.60	127.0	2.06	.94	15.00		18.70	15.94	.62
	9530	30.5	30.9	.4	100	4E4	4.43	.19	8.00	16.10	139.0	1.85	3.59	24.70		24.10	28.29	.67
	9531	30.9	32.0	1.1	64	4A0	3.14	.12	1.39	2.90	31.0	.89	2.79	12.60		4.29	15.39	.68
	9532	52.3	54.3	2.0	100	4EA4	3.65	.09	5.10	7.30	77.0	1.71	5.13	17.70		12.40	22.83	.59
	9533	54.3	56.3	2.0	95	4EA	3.68	.20	.92	3.20	26.0	1.58	2.27	26.60		4.12	28.87	.78
	9534	56.3	57.9	1.6	94	4EA4	3.69	.19	2.80	2.80	59.0	1.78	1.20	26.40		5.60	27.60	.50
	9535	57.9	60.0	2.1	100	4A13	3.36	.08	1.27	3.20	23.0	1.10	2.07	18.20		4.47	20.27	.72
	9536	60.0	61.5	1.5	100	4EA4	3.85	.13	4.00	6.50	69.0	1.71	1.74	16.10		10.50	17.84	.62
	9537	61.5	63.0	1.5	100	4A10	3.59	.08	1.35	3.50	23.0	1.51	1.62	24.50		4.85	26.12	.72
	9538	63.0	64.0	1.0	50	400	3.58	.16	2.00	5.50	29.0	2.33	2.29	15.50		7.50	17.79	.73
	9539	64.0	65.3	1.3	100	4A13	3.30	.11	.40	.79	10.0	1.37	.56	21.30		1.19	21.86	.66
	9540	65.3	67.3	2.0	65	4EA	3.81	.18	.58	1.09	15.0	1.65	1.02	30.70		1.67	31.72	.65
	9541	67.3	69.3	2.0	100	4EA4	3.51	.15	2.05	3.20	43.0	1.92	.80	23.30		5.25	24.10	.61
	9542	69.3	71.1	1.8	83	4EA	3.62	.09	.70	2.90	18.0	1.37	1.68	28.70		3.60	30.38	.81
	9543	71.1	73.2	2.1	100	4A14	2.87	.02	1.91	5.20	24.0	.62	1.29	3.82		7.11	5.11	.73
	9544	73.2	74.7	1.5	53	4L14	2.84	.04	2.60	5.70	35.0	.75	.90	1.92		8.30	2.82	.69
	9545	74.7	76.2	1.5	87	4L14	2.96	.06	3.30	8.30	52.0	.75	1.11	3.34		11.60	4.45	.72

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT % CPY	GA	SP	PO	PY	BAR	OTHER	*	NORMATIVE MINERALS - VOLUME % CPY	GA	SP	PO	PY	BAR	OTHER
FAGU159	9524	4A0	.26	.28	.78				98.69	*							
	9525	4A0	.49	.09	1.57				97.85	*							
	9526	4A0	.35	1.15	.33				98.17	*							
	9527	4A0	.29	.39	.88	.31	30.54		67.59	*	.22	.17	.71	.22	19.64		79.04
	9528	4A4	.26	4.97	11.63	1.38	30.32		51.44	*	.22	2.31	10.13	1.05	21.13		65.17
	9529	4D4	.58	8.20	17.29	1.48	32.26		40.19	*	.51	4.06	16.05	1.19	23.95		54.25
	9530	4E4	.55	9.24	24.00	5.65	53.12		7.45	*	.60	5.62	27.37	5.60	48.46		12.35
	9531	4A0	.35	1.61	4.32	4.39	27.10		62.24	*	.27	.70	3.56	3.14	17.84		74.49
	9532	4EA4	.26	5.89	10.88	8.07	38.06		36.84	*	.24	2.98	10.33	6.66	28.91		50.87
	9533	4EA	.58	1.06	4.77	3.57	57.20		32.82	*	.54	.55	4.65	3.03	44.65		46.57
	9534	4EA4	.55	3.23	4.17	1.89	56.77		33.38	*	.51	1.69	4.09	1.61	44.51		47.59
	9535	4A13	.23	1.47	4.77	3.26	39.14		51.14	*	.19	.68	4.17	2.48	27.39		65.08
	9536	4EA4	.38	4.62	9.69	2.74	34.62		47.95	*	.32	2.19	8.63	2.12	24.66		62.09
	9537	4A10	.23	1.56	5.22	2.55	52.69		37.76	*	.21	.79	4.94	2.10	39.93		52.03
	9538	4D0	.46	2.31	8.20	3.60	33.33		52.09	*	.38	1.07	7.10	2.71	23.10		65.64
	9539	4A13	.32	.46	1.18	.88	45.81		51.36	*	.27	.22	1.03	.67	32.19		65.62
	9540	4EA	.52	.67	1.62	1.60	66.02		29.56	*	.50	.36	1.63	1.40	52.98		43.13
	9541	4EA4	.43	2.37	4.77	1.26	50.11		41.06	*	.38	1.18	4.44	1.02	37.34		55.64
	9542	4EA	.26	.81	4.32	2.64	61.72		30.25	*	.25	.43	4.29	2.28	49.05		43.70
	9543	4A14	.06	2.21	7.75	2.03	8.21		79.74	*	.04	.88	5.82	1.32	4.93		87.01
	9544	4L14	.12	3.00	8.50	1.42	4.13		82.84	*	.08	1.18	6.28	.91	2.44		89.10
	9545	4L14	.17	3.81	12.37	1.75	7.18		74.71	*	.13	1.56	9.48	1.16	4.40		83.27

DRILL HOLE : FAGU159

NORTHING : 904,789.1

EASTING : 592,445.3

ELEVATION : 1,170.9

TOTAL DEPTH : 76.2

SECTION : W 66

R.F.E. : S2

RFE DIRECTION: 230

PLUNGE ANGLE : 11

PLUNGE DIRECT: 312

CHD CALC: 1

SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 22

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 31

NOS DOWN-H-STRUCTURE: 15

NOS DOWN-H-FAULTS: 12

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU159 UTM-N: 904,789.1 UTM-E: 592,445.3 UTM-ELEV: 1,170.9 TOTAL DEPTH: 76.2 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
19.7	21.7	09524	2.0	2.0	4A0		.09	.24	.52	15.00											
21.7	23.7	09525	2.0	.9	4A0		.17	.08	1.05	20.00											
23.7	25.7	09526	2.0	1.7	4A0		.12	1.00	.22	41.00											
25.7	27.7	09527	2.0	1.6	4A0	3.10	.10	.34	.59	16.00		.69		14	14						
27.7	29.0	09528	1.3	.5	4A4	3.59	.09	4.30	7.80	73.00	72.00	1.85		14	14						
29.0	30.5	09529	1.5	1.1	4D4	3.53	.20	7.10	11.60	127.00		2.06		15	15						
30.5	30.9	09530	.4	.4	4E4	4.43	.19	8.00	16.10	139.00		1.85	3	24	28						
30.9	32.0	09531	1.1	.7	4A0	3.14	.12	1.39	2.90	31.00		.89	2	12	15						
52.3	54.3	09532	2.0	2.0	4EA4	3.65	.09	5.10	7.30	77.00		1.71	5	17	22						
54.3	56.3	09533	2.0	1.9	4EA	3.68	.20	.92	3.20	26.00		1.58	2	26	28						
56.3	57.9	09534	1.6	1.5	4EA4	3.69	.19	2.80	2.80	59.00		1.78	1	26	27						
57.9	60.0	09535	2.1	2.1	4A13	3.36	.08	1.27	3.20	23.00		1.10	2	18	20						
60.0	61.5	09536	1.5	1.5	4EA4	3.85	.13	4.00	6.50	69.00		1.71	1	16	17						
61.5	63.0	09537	1.5	1.5	4A10	3.59	.08	1.35	3.50	23.00		1.51	1	24	26						
63.0	64.0	09538	1.0	.5	4D0	3.58	.16	2.00	5.50	29.00	33.00	2.33	2	15	17						
64.0	65.3	09539	1.3	1.3	4A13	3.30	.11	.40	.79	10.00		1.37		21	21						
65.3	67.3	09540	2.0	1.3	4EA	3.81	.18	.58	1.09	15.00		1.65	1	30	31						
67.3	69.3	09541	2.0	2.0	4EA4	3.51	.15	2.05	3.20	43.00		1.92		23	24						
69.3	71.1	09542	1.8	1.5	4EA	3.62	.09	.70	2.90	18.00		1.37	1	28	30						
71.1	73.2	09543	2.1	2.1	4A14	2.87	.02	1.91	5.20	24.00		.62	1	3	5						
73.2	74.7	09544	1.5	.8	4L14	2.84	.04	2.60	5.70	35.00		.75		1	2						
74.7	76.2	09545	1.5	1.3	4L14	2.96	.06	3.30	8.30	52.00		.75	1	3	4						
WEIGHTED AVERAGE																					
19.7	32.0		12.3	8.9		1.73	.12	1.97	3.40	45.45	7.60	.69		7	8						
52.3	76.2		23.9	21.3		3.45	.11	2.05	4.16	35.89	1.38	1.41	1	18	20						

DDH: FAGU159 UTM-N: 904,789.1 UTM-E: 592,445.3 UTM-ELEV: 1,170.9 TOTAL DEPTH: 76.2 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	23.100	32.400

DDH: FAGU159 UTM-N: 904,789.1 UTM-E: 592,445.3 UTM-ELEV: 1,170.9 TOTAL DEPTH: 76.2 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.3	0001	5B6		0.5-	1
8.7	0002	10Q0		0.5-	1
9.0	0003	4L1		0.5-	1
9.1	0004	10Q0		0.5-	1
9.3	0005	4A3		0.5-	1
10.0	0006	5D4#		0.5-	1
16.8	0007	5B6	(5D4*) (4L)	0.5-	1
19.7	0008	5D4*	(4L) (4A1)	0.5-	1
29.0	0009	4A0	BXA	0.5-	1
30.5	0010	4D4	& BXA	0.5-	1
30.9	0011	4E0	POROUS	0.5-	1
32.0	0012	4A0		0.5-	1
34.3	0013	4L0	& BXA (10Q0)	0.5-	1
35.1	0014	4L0		0.5-	1
39.6	0015	5B6		0.5-	1
41.1	0016	5D4#	(4L0)	0.5-	1
42.7	0017	5B6		0.5-	1
44.4	0018	4L0		0.5-	1
45.7	0019	5B6		0.5-	1
48.6	0020	10Q0		0.5-	1
50.1	0021	5B1	&9	0.5-	1
52.3	0022	10Q09		0.5-	1
57.9	0023	4E4	(4A13) 50:50	0.5-	1
60.0	0024	4A13	(4A4)	0.5-	1
61.5	0025	4E4	(4A13) 70:30	0.5-	1
63.0	0026	4A14		0.5-	1
64.0	0027	4D0	BXA	0.5-	1
65.3	0028	4A13	BXA	0.5-	1
71.1	0029	4E0	&4 (4A13) BXA	0.5-	1
73.2	0030	4A14	PHYLLITIC	0.5-	1
76.2	0031	4L12	4 (AFTER 4A)	0.5-	1

DDH: FAGU159 UTM-N: 904,789.1 UTM-E: 592,445.3 UTM-ELEV: 1,170.9 TOTAL DEPTH: 76.2 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU159	0.0	4.2	CS2	0	0	0	0	62	230	0	1	1	1
FAGU159	0.0	10.6	CS2	0	0	0	0	73	230	0	1	1	1
FAGU159	0.0	16.5	CS2	0	0	0	0	63	230	0	1	1	1
FAGU159	0.0	20.9	CS2	0	0	0	0	67	230	0	1	1	1
FAGU159	0.0	22.6	CS2	0	0	0	0	70	230	0	1	1	1
FAGU159	0.0	33.4	CS2	0	0	0	0	56	230	0	1	1	1
FAGU159	0.0	33.6	CS2	0	0	0	0	8	230	0	1	1	1
FAGU159	0.0	35.6	CS2	0	0	0	0	42	230	0	1	1	1
FAGU159	0.0	41.1	CS2	0	0	0	0	39	230	0	1	1	1
FAGU159	0.0	42.6	CS2	0	0	0	0	20	230	0	1	1	1
FAGU159	0.0	53.0	CS2	0	0	0	0	50	230	0	1	1	1
FAGU159	0.0	60.9	CS2	0	0	0	0	69	230	0	1	1	1
FAGU159	0.0	71.7	CS2	0	0	0	0	39	230	0	1	1	1
FAGU159	0.0	75.4	CS2	0	0	0	0	53	230	0	1	1	1
FAGU159	0.0	76.0	CS2	0	0	0	0	60	230	0	1	1	1

DDH: FAGU159 UTM-N: 904,789.1 UTM-E: 592,445.3 UTM-ELEV: 1,170.9 TOTAL DEPTH: 76.2 SECTION: W 66
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
FAGU159	4.4	4.6	S			0	0	0	0	0	0	1
FAGU159	13.8	15.3	S			0	0	0	0	0	0	1
FAGU159	20.9	22.4	X			0	0	0	0	0	0	1
FAGU159	22.9	30.0	BR			0	0	0	0	0	0	1
FAGU159	30.2	30.5	X?			0	0	0	0	0	0	1
FAGU159	33.7	33.9	X			0	0	0	0	0	0	1
FAGU159	34.3	35.1	G			0	0	0	0	0	0	1
FAGU159	42.7	43.9	S			0	0	0	0	0	0	1
FAGU159	43.9	44.4	G			0	0	99	999	0	0	1
FAGU159	63.0	64.0	D			0	0	0	0	0	0	1
FAGU159	64.0	65.3	X			0	0	0	0	0	0	1
FAGU159	65.3	71.1	D?			0	0	0	0	0	0	1

DDH: FAGU159 UTM-N: 904,789.1 UTM-E: 592,445.3 UTM-ELEV: 1,170.9 TOTAL DEPTH: 76.2 SECTION: W 66
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU159	1	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 10:55:00

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U159

Project: GRUM RELOG

Location: VANGORDA PLATEAU

Claim: _____

UTM
~~Terr.~~ Plane Co-ords.: 6,904,789.~~74~~ 101 N

conversion to K-A surveyed grid coords

592,444.~~81~~ 5.3297 E

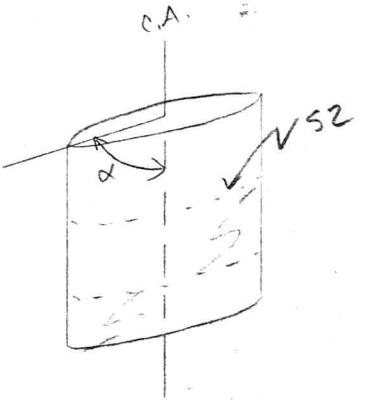
Grid Co-ords.: 66W | 2N

_____

Elevation: 1170.~~97~~ 866

Total Depth: 76.2 m.

Fabric Orientation Diagram:



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Purpose: _____

Logged by: RE RN Date(s) Logged: AUG. 23/80

Drilling Contractor: _____

Core:	Size	From	To	Collar Cased and Capped:
	BQ	0	EOH	

Started: AUG. 27/76 Completed: AUG. 28/76

Cyprus Anvil Mining Corp.
Diamond Drill Core Log

DDH 76-U-159

Code	Drillhole	Elevation	Northing	Easting	Comments
1	2 8	10 16	17 24	25 32	34 48
T	76-U-159	1170.9	9047891.1	592445.3	METRES

32.4 for True North

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	76-U-159	00	23.1	30.8	AT COLLAR
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10 47

DDH 76-V-159 (2 / 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Logged By: PN

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	0 0	8 3	1	5B16	sheared 4.4–4.6m;
L	8 3	9 3	2	0Q10	QQO 8.3–8.7, 9.0–9.1m; 4L1 w/ py stringers 8.7–9.0m; 4A3 9.1–9.3m;
L	9 3	10 0	3	5D14	calcareous; bleached buff w/ manposite;
L	10 0	16 8	4	5B16	4L1 10.7–11.1m; talcy 4L0 12.3–12.4m; sheared 13.8–15.3m; tan-coloured 5DO 16.3–16.5m; QQO 12.2–12.3, 12.4–12.5m;
L	16 8	19 7	5	5D14	4L0 16.8–17.2m; 4A1 w/ <4% PbZn 17.2–17.3m; siliceous; w/ manposite 18.3–18.7m; chloritic 18.7–19.7m; calcareous; iron ox. staining; 180–18.14A4
L	19 7	29 0	6	4A10	brecciated 20.9–22.4m w/ subangular qtz-py clasts in graphitic matrix; broken core 22.9–29.0m; & gouge
L	29 0	30 5	7	4D14	10% PbZn; poor recovery w/ broken core 29.0–30.0m; brecciated 30.2–30.5;
L	30 5	30 9	8	4E14	porous;
L	30 9	31 20	9	4A10	<5% PbZn (?)
L	31 20	33 3	10	4L10	QQO w/ py stringers + sericite inclusions 32.0–32.2m; brecciated 33.7–33.9m; QQO 33.9–34.0m; minor chl. bands
L	34 3	35 1	11	4L10	gouge
L	35 1	39 6	12	5B½	
L	39 6	41 1	13	5D14	bleached buff/calcareous; 4L0 40.0–40.2m; minor py;
L	41 1	42 7	14	5B16	
L	42 7	44 4	15	4L10	sheared 42.7–43.9m, gouge 43.9–44.4m; 1/52
L	44 4	45 7	16	5B16	broken core; poor recovery; siliceous;
L	45 7	48 6	17	0Q10	1/52? attitude?
L	48 6	50 1	18	5B11	minor py stringers;
L	50 1	52 3	19	0Q10	w/ gal & lesser sph; 1/52?
~~L~~	~~52 3~~	~~71 2~~	~~20~~	~~4D14~~	~~8% PbZn avg, thin interbands of graphite (4A3) throughout;~~
~~L~~	~~71 2~~	~~96 2~~	~~21~~	~~4L11~~	~~very siliceous 4L with dk grey graphite gradually changing to mylonitic towards EOH; 5% PbZn;~~
		EOH			

DDH 76-U159 (2–8) ADDENDUM

Cyprus Anvil Mining Corp.

Lithologic Log

Page 4 of 5

Date: Aug 17/81 Logged By: RST

Code	From	To	Recov.	No.	Unit	Description
1	10–14	16–20	22–24	26–28	30–34	35
L	52.3	57.9		20	4E,A1	50:50 Drill hole here is essentially following contact between 4A13 & 4E4
						56.7–57.9 80:20 (4E4:4A13) See sample.
L	57.9	61.00		21	4A,1,3	Minor laminae of 4A4.
L	61.00	61.15		22	4E,4,1	(4A13) 70:30 (4E4:4A13) Possibly folded
				22		mosse. minor cpy in fractures.
L	61.15	63.0		23	4,A,1,4	Similar to unit 21 but >5% Pb+Zn minor cpy in fractures.
L	63.0	64.0	0.5	24	4D,9	bxtd. Rec 0.5m slickensides sub// to c.a
L	64.0	65.3		25	4,A,1,3	fractured ~~bxtd~~ healed by sulphides 30% to ca.
L	65.3	71.1		26	4E,0,1	(4A13) 80:20 some <0.1m lengths of 4E4 prob 8% Pb+Zn. Some 4A13 appear to be fragments supported by sulphides poss bx?
						67.1 (0.1m of ground core)
L	71.1	73.2		27	4A,1,4	phyllitic minor gn. >5% Zn dark as red sph. 2-3% py Minor fractures // ca.
L	73.2	76.2		28	4,4,1,4	white Sericite. Dark red sph. 75% Zn minor gn & ph Tension fractured // c.a. Identical to unit 27 except phyllite altered to white mica – Amazing!!? – well, that depends on your threshold of amazement
						EOH @ 76.2 m.

C.A.M.C. 1981 – E-3

DDH 76-V-159 (2 ... 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: PN

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		42	CSR			62 230	very few symmetry determinations available since core previously split i.e. only S2 - C.A. angles measured;
S		106	CSR			73 230	
S		165	CSR			63 230	
S		209	CSR			67 230	
S		226	CSR			70 230	
S		334	CSR			56 230	
S		336	CSR			08 230	
S		356	CSR			42 230	
S		411	CSR			39 230	
S		426	CSR			20 230	
S		530	CSR			50 230	
S		609	CSR			69 230	
S		717	CSR			39 230	
S		754	CSR			53 230	
S		760	CSR			60 230	
		EOH					

DDH 76-U-159

Cyprus Anvil Mining Corp.

Geochemical Log (Sampler's Copy)

Logged By: PN

Sampled By: KA

Code	From	To	Sample No.	Description			
1	10 14	16 20	22 27		LENGTH	Au	UNIT
P	1197	2113	48496	KA	1.6	1.3	
P	2113	2229	48497	KA	1.6	1.0	
P	2229	2599	48498	KA	3.0	0.9	✓
P	2599	2900	48499	KA	3.1	0.8	✓
P	2900	3055	48500	KA	1.5	0.8	
P	3055	3200	48501	KA	1.5	0.7	✓
P	5118	5333	48502	KA	1.5	1.0	
P	5333	5499	48503	KA	1.6	0.9	✓
P	5499	5644	48504	KA	1.5	1.2	
P	5644	5799	48505	KA	1.5	1.5	
P	5799	5944	48506	KA	1.5	1.3	
P	5944	6100	48507	KA	1.6	1.4	
P	6100	6255	48508	KA	1.5	1.4	
P	6255	6400	48509	KA	1.5	0.8	✓
P	6400	6555	48510	KA	1.5	1.4	
P	6555	6711	48511	KA	1.6	0.7	✓
P	6711	6866	48512	KA	1.5	1.4	
P	6866	7016	48513	KA	1.5	1.1	
P	7016	7166	48514	KA	1.5	0.9	
P	7166	7322	48515	KA	1.6	1.9	
P	7322	7477	48516	KA	1.5	0.9	
P	7477	7622	48517	KA	1.5	0.8	✓

DDH 76-41-59 (2 8) Cyprus Anvil Mining Corp

Page 6 of 6

Logged by RST

ASSAY LOG (SAMPLER'S COPY) Date Aug 17/81 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION	
1	10 14	16 20	22 26	28 30	32 34	36 40	42	
P	1197	2117	95124	20	20	4A01		
P	2117	2137	95125	20	09	4A01		6
P	2137	2557	95126	20	17	4A01		
P	2557	2777	95127	20	16	4A01		
P	2777	2900	95128	13	05	4A01		
P	2900	3055	95129	15	11	4D14		7
P	3055	3099	95130	04	04	4E14	Porous	8
P	3099	3200	95131	11	07	4A01		9
P	5123	5443	95132	20	20	4EA1	High nugget effect cf. K.A results	20
P	5443	5663	95133	20	19	4EA1	"	
P	5663	5799	95134	16	15	4EA1	"	
P	5799	6000	95135	21	21	4A13		21
P	6000	6155	95136	15	15	4E14	(4A13) "	22
P	6155	6300	95137	15	15	4A14		23
P	6300	6400	95138	10	05	4D01		24
P	6400	6533	95139	13	13	4A13		25
P	6533	6733	95140	20	13	4E01	(4A13) "	
P	6733	6933	95141	20	20	4E01	(4A13) "	26
P	6933	7111	95142	18	15	4E01	(4A13) "	
P	7111	7322	95143	21	21	4A14		27
P	7322	7477	95144	15	08	4L14		
P	7477	7622	95145	15	13	4L14		28

DDH FAGU 159 (2 / 8)

Cyprus Anvil Mining Corp.

Structural Log

Page _____ of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	44	46	S					
F	138	153	S					
F	209	224	X					
F	RR 9	300	BR					
F	302	305	X ?					
F	337	339	X					
F	343	351	G					
F	427	439	S					
F	439	444	G			9999		
F	630	640	D					
F	640	653	X					
F	653	711	D ?					

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO

D.D.H. Nº 76-U-159 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE 2N STARTED AUGUST 27, 1976

DEPARTURE 66W COMPLETED AUGUST 28, 1976

ELEVATION 1,181.58 (approx.) PROPOSED DEPTH 200' - 61.0m

ULTIMATE DEPTH 250' - 76.2m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	32° 20'	66° 53'

CLAIM Nº

NOTE: Hole stopped - sign of hitting overburden

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 68%

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	8.0	SERICITE PHYLLITE (S). Broken flakey core. Foliation = plane of fissility = 70-75°. 4.5: Shear. 8.0: Abrupt change to Bleached Phyllite (Sb). Contact broken core marked by bull quartz.	5.0		0	8.0	8.0								
8.0	10.6	BLEACHED PHYLLITE (Sb). Soft core. Buff with prominent fuchsite laminae/spots. Foliation = 85-90°. 10.7: Gradual change to Sericite Phyllite (S).	2.1		8.0	10.6	2.6								
10.6	16.9	SERICITE PHYLLITE (S). Broken, flakey. Foliation = 80-85°. 13.7-15: Shear zone. Plane marked by Dark Sericite flakes = 85°. 16.8: Abrupt change to Bleached Phyllite (Sb).	4.8		10.6	16.9	6.3								
16.9	19.7	CHLORITIC BLEACHED PHYLLITE (Sbc). Broken, blocky. Buff with green stripes/spots. Foliation = 75-80° (F ?);	2.5		16.9	19.7	2.8								

LOGGED BY _____ D.D.H. NO. 76-U-159 PAGE 2

Interval From	Interval To	DESCRIPTION		Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		F (?) = 0-5° (based on fold nose closures).														
		19.7: Sharp clean contact with mineralized graphitic phyllite (PG) = 90°.														
19.7	32.0	MINERALIZED GRAPHITIC PHYLLITE (PG). Broken, pebbly core.														
		Foliation = 80-85°; F = 0-5°. Sulfides in both	20 4	1.3	4846	19.7	21.3	1.6	0.20	0.20	8.91			0.40	PbZn	
		foliation (shown by bigger blocky core).	20 3	1.0	4847	21.3	22.9	1.6	0.18	1.05	15.09			1.23	PbZn	
			20 3	0.9	4848	22.9	25.9	3.0	0.05	0.25	9.94			0.30	PbZn	
		30-31: Massive sulfide interval. Porous variety	20 8	0.8	4849	25.9	29.0	3.1	1.45	2.08	25.37					
		Voids aligned = 80-85°. Contacts= 85°.	60 15	0.8	4850	29.0	30.5	1.5	6.76	9.76	82.63			10.14	14.64	123.95
			60 15	0.7	4851	30.5	32.0	1.5	5.81	11.17	93.94			8.72	16.76	140.91
		32.0: Abrupt change to Bleached Phyllite. Contact broken ground.														
32.0	35.1	BLEACHED PHYLLITE (Sb). Soft broken ground. Buff to silvery gray. Foliation = 0° at 33.5. Series of small F fold noses.		2.5		32.0	35.1	3.1								
					W.Av.	19.7	25.9	6.2	0.57	PbZn						
		34.8-35.1: FAULT. Soft light gray core composed of bleached sericite flakes and gouge.			W.Av.	29.0	32.0	3.0	6.29	10.47	88.29			18.86	31.40	264.86
					W.Av.	28.3	32.0	3.7	5.37	8.88	76.4			19.88	33.86	282.62
		35.1: Abrupt change to Sericite Phyllite (S).														

LOGGED BY _____ D.D.H. NO 76-U-159 PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
35.1	39.6	SERICITE PHYLLITE (S). Broken, flakey core. Foliation =	2.6		35.1	39.6	4.5								
		fissility = 40°.													
		39.6: Abrupt change to Bleached Phyllite (Sb). Contact													
		broken ground.													
39.6	41.1	BLEACHED PHYLLITE (Sb). Soft, broken ground. Buff to light	1.0		39.6	41.1	1.5								
		gray. Foliation = 40-45°.													
		41.1: Abrupt change to sericite phyllite (S). Contact													
		broken ground.													
41.1	51.8	SERICITE PHYLLITE (S). Soft, flakey core. Foliation = 0-5°	8.1		41.1	51.8	10.7								
		42.7-43.4: Broken, flakey fragments - shear.													
		44-44.5: FAULT. Gray thick sticky gouge.													
		45.7-47.2: Pebble size bull quartz fragments - extreme low													
		core recovery. 0.10/1.5													
		47.2-51.8: Broken, blocky to pebble size core fragments of													
		full quartz and sericite phyllite. Some frag-													
		ments show foliation = 0°.													
		51.8: Change to Mineralized Graphitic Phyllite. Contact													
		marked by bull quartz, pebble size.													

LOGGED BY _____ D.D.H. NO 76-U-159 PAGE 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
51.8	71.5	MINERALIZED GRAPHITIC PHYLLITE (PG). Broken, blocky core.													
		Foliation = 80-85°. Compositional banding in wider 15 10	1.0	4852	51.8	53.3	1.5	4.20	5.96	50.40			6.30	8.94	75.6
		sulfide intervals = 70-75°. 15 10	0.9	4853	53.3	54.9	1.6	5.00	7.00	66.51			8.00	11.20	106.42
		Barite prisms in cavity walls. Graphite in laminae. 20 8	1.2	4854	54.9	56.4	1.5	1.05	2.68	22.29			1.58	4.02	33.44
		67.1-67.2: Sand of sericite phyllite and sulfides. 20 6	1.5	4855	56.4	57.9	1.5	2.75	2.85	49.37			4.13	4.28	74.06
		71.5: Gradual change to Quartz-Sulfide (P). Contact 30 6	1.3	4856	57.9	59.4	1.5	1.28	2.95	22.29			1.92	4.43	33.44
		arbitrary with decrease in graphitic consti- 30 8	1.4	4857	59.4	61.0	1.6	3.88	5.20	58.63			6.21	8.32	93.81
		tuents. 40 8	1.4	4858	61.0	62.5	1.5	1.63	3.68	26.40			2.45	5.52	39.6
71.5	76.2	QUARTZ-SULFIDE (P). Broken, blocky ground. 40 9	0.8	4859	62.5	64.0	1.5	1.55	4.55	25.37			2.33	6.83	38.06
		Foliation = 60-65°; F 1 = 30-40°. 30 4	1.4	4860	64.0	65.5	1.5	0.50	1.13	10.97			0.75	1.7	16.46
		Sulfides in both foliation. 40 6	0.7	4861	65.5	67.1	1.6	1.50	2.63	26.40			2.40	4.21	42.24
		NOTE: Hole stopped . About to hit overburden. 50 8	1.4	4862	67.1	68.6	1.5	2.53	3.60	48.34			3.8	5.4	72.51
		Rx showing sign of weathering. 50 7	1.1	4863	68.6	70.1	1.5	1.05	2.10	21.26			1.58	3.15	31.89
		40 8	0.9	4864	70.1	71.6	1.5	1.20	3.20	20.23			1.80	4.80	30.35
		15 10	1.0	4865	71.6	73.2	1.6	2.45	5.84	30.17			3.92	9.34	48.27
		15 10	0.9	4866	73.2	74.7	1.5	2.30	5.30	33.26			3.45	7.95	49.89
		15 15	0.8	4867	74.7	76.2	1.5	3.23	7.57	47.31			4.85	11.36	70.97
	76.2	END OF HOLE.													
				W.Av.	51.8	54.9	3.1	4.61	6.50	58.72			14.30	20.14	182.02
				W.Av.	59.4	64.0	4.6	2.39	4.49	37.28			10.99	20.67	171.47
				W.Av.	71.6	76.2	4.6	2.66	6.23	36.77			12.22	28.65	169.13
				W.Av.	54.9	71.6	16.7	1.73	3.15	30.29			28.95	52.66	505.86

FAGU158

DRILL HOLE : FAGU158

NORTHING : 905,131.9

EASTING : 592,099.0

ELEVATION : 1,097.7

TOTAL DEPTH : 74.3

SECTION : W 82

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: 16

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 27

NOS DOWN-H-STRUCTURE: 10

NOS DOWN-H-FAULTS: 3

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

----DEPTHS--- FROM	TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
1.0	2.5	14075	1.5	.0	4A4	3.25	.02	2.73	5.40	50.00		.95	1	10	11						
2.5	4.1	14076	1.6	.0	4A4	3.43	.10	2.91	5.00	53.00		1.23		14	15						
4.1	5.8	14077	1.7	.0	4A34	4.02	.20	6.09	7.90	117.99		1.43	1	23	24						
5.8	7.6	14078	1.8	.0	4A34	4.25	.02	8.40	15.09	140.00		1.16	1	20	22						
7.6	9.2	14079	1.6	.0	4A4	3.27	.01	5.20	11.30	86.00		.27	2	7	9						
9.2	10.8	14080	1.6	.0	4A4	3.20	.02	2.10	4.16	44.00		.47	1	10	11						
10.8	12.4	14081	1.6	.0	4A4	3.12	.08	3.39	5.50	57.99		.89		7	8						
12.4	14.1	14082	1.7	.0	4A4	3.64	.10	3.45	8.50	63.99		.75	1	15	16						
15.5	16.8	14083	1.3	.0	4A30		.05	1.47	2.73	31.99											
39.5	42.7	14085	3.2	.0	4L24	3.41	.16	1.78	1.83	27.00		.20	10	8	18						
42.7	45.7	14087	3.0	.0	4L42		.08	.73	.96	13.99											
45.7	47.2	14088	1.5	.0	4GE	3.47	.14	5.59	6.29	102.00		.62	2	13	16						
47.2	50.2	14089	3.0	.0	4L42		.02	.31	.20	6.99											
50.2	53.2	14090	3.0	.0	4L42		.08	.67	.56	13.00											
53.2	56.0	14091	2.8	.0	4L42		.14	.19	.16	6.99											
63.6	69.6	14092	1.0	.0	4L67		.07	.76	.67	14.99											
WEIGHTED AVERAGE																					
1.0	14.1		13.1	.0		3.54	.07	4.36	7.99	78.01		.90	1	14	15						
15.5	16.8		1.3	.0			.05	1.47	2.73	31.99											
39.5	56.0		16.5	.0		.97	.10	1.19	1.27	21.87		.09	2	2	4						
63.6	69.6		1.0	.0			.07	.76	.67	14.99											

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	45.000	224.000

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.0	0001	#		0.5-	1
4.1	0002	4A4		0.5-	1
7.6	0003	4A34		0.5-	1
14.1	0004	4A4		0.5-	1
15.5	0005	5A4*		0.5-	1
16.8	0006	4A30		0.5-	1
20.8	0007	5A*		0.5-	1
23.5	0008	5B62	$	0.5-	1
28.1	0009	5B6$	&8 (5D$) 80:20	0.5-	1
30.5	0010	5B08	(5D0) 80:20	0.5-	1
35.1	0011	5B6$		0.5-	1
38.8	0012	5B62	$ (10Q0)(5A$) 60:10:30	0.5-	1
39.5	0013	4L42	&7	0.5-	1
41.9	0014	4D4	[4L14278] &9	0.5-	1
42.3	0015	4L42	&7	0.5-	1
42.7	0016	4L12	4	0.5-	1
45.7	0017	4L42	&7	0.5-	1
47.2	0018	4G4	(4E08)	0.5-	1
56.0	0019	4L42	&7 &@	0.5-	1
57.9	0020	4L67	[3G48]	0.5-	1
62.3	0021	4L@	&6 &7 &2	0.5-	1
65.1	0022	5C*	(10Q0) 90:10	0.5-	1
66.0	0023	5F6		0.5-	1
68.1	0024	5C*		0.5-	1
68.6	0025	4L65		0.5-	1
69.6	0026	4L67	524 &1	0.5-	1
74.3	0027	4L65	(10Q*)	0.5-	1

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU158	0.0	3.8	PS1	P	0	0	0	0	50	230	0	1	1	1
FAGU158	0.0	12.4	PS1	P	0	0	0	0	70	230	0	1	1	1
FAGU158	0.0	23.0	CS2		0	0	0	0	40	230	0	1	1	1
FAGU158	0.0	29.7	CS2		0	0	0	0	55	230	0	1	1	1
FAGU158	0.0	37.2	CS2		0	0	0	0	60	230	0	1	1	1
FAGU158	0.0	42.9	PS2		0	0	0	0	45	230	0	1	1	1
FAGU158	0.0	50.9	CS2		0	0	0	0	30	230	0	1	1	1
FAGU158	0.0	58.0	CS2		0	0	0	0	50	230	0	1	1	1
FAGU158	0.0	64.3	CS2		0	0	0	0	32	230	0	1	1	1
FAGU158	0.0	72.0	CS2		0	0	0	0	68	230	0	1	1	1

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
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
FAGU158	4.1	14.1	0			0	0	0	0	0	0	1
FAGU158	16.8	20.8	B1G	3		0	0	0	0	0	0	1
FAGU158	69.5	74.3	1B			0	0	0	0	0	0	1

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU158	1	1

LAST K ADDI # USED 90606. SEC 82W

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 158

Reference Fabric Orientation Diagram:

Project: GRum

Location: 82W

Claim: _____

UTM Terr. Plane Co-ords.: ~~6905133~~ 6905131.9195 N

transformed K-A grid location ~~592099~~ 592098.9854 E

NOT INC IN HANSONS NOTES } approx. measured from map.

Grid Co-ords: _____

All symmetry determinations looking

K-A elev -10.61m Elevation: ~~1098.~~ 1097.72m ~~1119.02m~~ ? from log NW with 5 dipping

Total Depth: 74.3 m SW with dip azimuth was 225. 1/4/1982 now 230°

Purpose: _____

Reason hole Terminated: _____

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: _____

Size	CORE From	To

Collar Cased and Capped: _____

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

No DATA IN HANSOM FILE

Cyprus Anvil Mining Corp. 115

Page 2 of 6

DDH FAGU158

Diamond Drill Core Log Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T	FAGU158	~~1098.09~~ 1119.02 from log	~~905153.0~~ 905131.9	~~592099.0~~ 592099.0	METRES	SZ	

1097.8 905131.9 592099.0 from K-B grid / transformed

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	FAGU158	00	45.0	224.0	AT COLLAR

Check..

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56

DDH FAGU158

Cyprus Anvil Mining Corp.
Lithologic Log

Page 3 of 6

Date: ____ Logged By: GJ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	00	10		1		no recovery
L	10	41		2	4A4	ok exhalites - intact
L	41	76		3	4A34	sphal rich good exhalites with short
						massive sulfide sections. ductile bxn. common
L	78	141		4	4A4	ductile bxn. common - minor massive py
						bands, near base. intact
L	141	155		5	5AH*	intact.
L	155	168		6	4ABP	rubbly near end (but split)
L	168	208		7	5A*	broken core and some gouge recovered
						30% recovery
L	208	235		8	5B62	* dolo / intact
L	235	281		9	5B6*	±8 dolo. (5D*) 80:20 - 5D* mainly
						near end, as thin bands - difficult
						to distinguish from host rx. intact
L	281	305		10	5B08	(5DO) 80:20 doesn't have good lith. intact
L	305	351		11	5B6*	dol. intact
L	351	388		12	5B62	* dolo (OQO), (5A*) 40:10:30; OQO near end.
						no evidence for fault at lower contact
L	388	395		13	4L42	±7
L	395	419		14	4D4	[4L1427]$_8$ ±9 looks like 4L overprint
						on a siliceous ore facies perhaps 4A
						since well banded locally - banded art
L	419	423		15	4L42	±7
L	423	427		16	4L12	4 similar to 14 but less like 4D4
L	427	457		17	4L42	±7 some interbanded carbonaceous
						rocks at 44.0
L	457	472		18	4G4	(4E08)
L	472	560		19	4L42	±7 ±5 (ank) py ±po + sphal in (5D4*)
						qtzose bands seperated by 4LO
						- bands semi massive - ank with
						qtz in bands with and without
						py or po in last half. - beige/cream slight green tinge
L	560	579		20	4L67	[3648] minor po only - green grey rock
						seems like less intense version of
						bounding units - relict lithon struct
L	579	623		21	4L5	±6 ±7 ±2 5=Ank. 4LO with chlorite

47.2 - 56.0 sawn w/ 1/2 remaining

check this hole! (end mainly)

DDH U158

Cyprus Anvil Mining Corp.

Lithologic Log

Date: ______ Logged By: ______

Code	From	To	Recov.	No.	Unit	Description
						and ank bearing bands. - get
						the feeling it's 4L on SB(6)/SD
						interbands. - most chloritic toward base. intact
L	623	651		22	5C*	(00*) 90:10 chl mottled intact
L	651	660		23	5FG	could be altered SB rather than
						tuffs - ~~ok~~ banded chloritic rock
						not good as 5DG - intact
L	660	681		24	5C*	intact mottled chloritic as #22
L	681	686		25	4LG5	intact minor po. ghosty chl bearing relict lithons?
L	686	696		26	4LG7	524 ±1 banded po rich sulfides
						with chloritic partings and
						some ank(?) rich bands.
						30 % po.
L	696	743		27	4LG5	(00*) intact but a little
						broken. - heavily veined chloritic
						rock - could be altered SD*
						743 = EOH

DDH EAG.U.158

Cyprus Anvil Mining Corp.

Structural Log

Date: 12 Aug 82 Logged By: GAJ/DSJ

Code	From	To	Feature	Sym	S_0 Dip	S_0 Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
1	10–14	16–20	22–24	26	28	32	34	38	40	44	
S		38	RS1						50	225	or PS2; frac. clvg. 20°/180
S		124	RS1						70		" "
S		230	CS2						40		
S		297	CS2						55		⇒ PS2
S		372	CS2						40		
S		429	PS2						45		
S		509	CS2						30		
S		580	CS2						50		
S		643	CS2						32		
S		720	CS2						68		

DDH FAG0158 (2 … 8) Cyprus Anvil Mining Corp

Logged by

ASSAY LOG (SAMPLER'S COPY) Date Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
P	10	25	140715	15	13	4A4	
P	25	41	140716	16	13	4A4	
P	41	58	140717	17	17	4A34	
P	58	76	140718	18	16	4A34	
P	76	92	140719	16	13	4A4	
P	92	108	140810	16	13	4A4	
P	108	124	140811	16	14	4AH	
P	124	141	140812	17	12	4A4	
P	155	168	140813	13	09	4A30	
P	395	427	140815	32	32	404	[4L14278 ±97]
P	427	457	140817	30	30	4L42	±7
P	457	472	140818	15	15	4G4	(4E08)
P	472	502	140819	30	30	4L42	±7 ±5
P	502	532	140910	30	30	4L42	±7 ±5
P	532	560	140911	28	28	4L42	±7 ±5
P	686	696	140912	10	10	4L67	524 ±1

no space

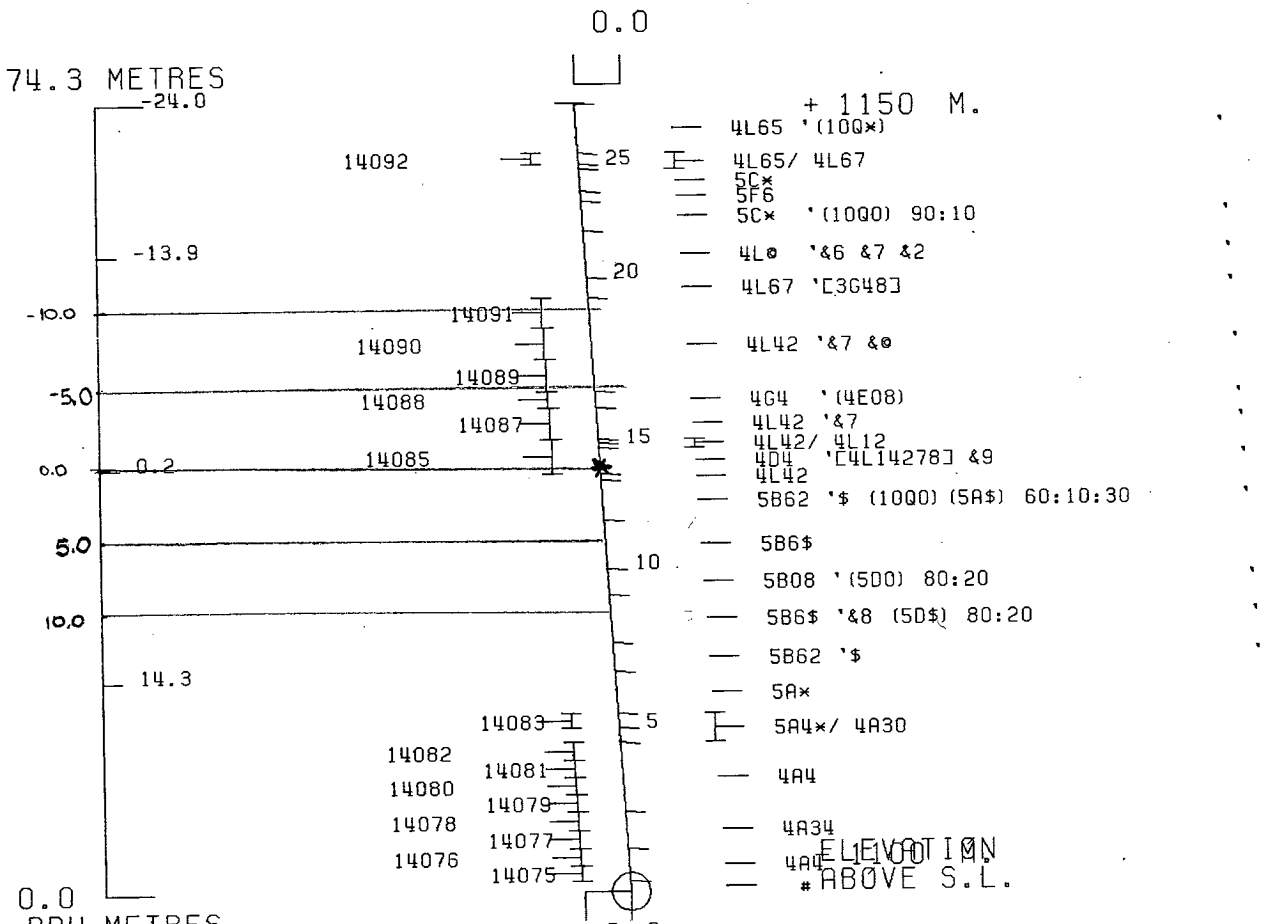
DDH EAG 0158 (2 — 8) Cyprus Anvil Mining Corp. Page _____ of _____

Structural Log Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	141	1441	D					
	1688	2088	BIG	3				
	1695	1743	IB	1				

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

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 9 JUL 1985 9:06 AM



DDH: FAGU158 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

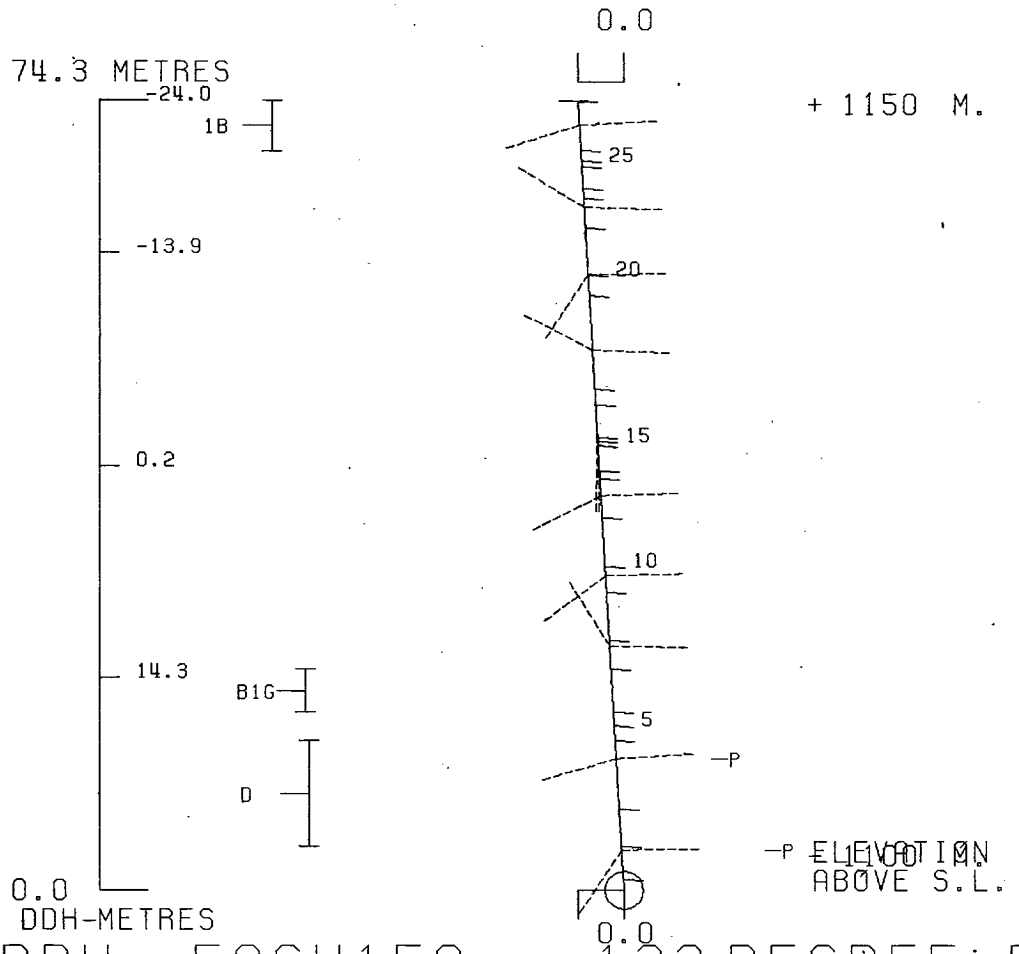
ELEV: 1098 592099E ; 905132N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 2111.8 Z = 1097.7

SECTION NAME: 02N

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 8 JUL 1985 4:23 PM



DDH: FAGU158 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1098 592099E ; 905132N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 211.8 Z = 1097.7

SECTION NAME: 02N

FAGU160

DRILL HOLE : FAGU160

NORTHING : 905,131.3

EASTING : 592,098.6

ELEVATION : 1,095.3

TOTAL DEPTH : 73.2

SECTION : W 82

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: 35

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 22

NOS DOWN-H-STRUCTURE: 16

NOS DOWN-H-FAULTS: 7

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

----DEPTHS--- FROM	TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
1.4	3.3	14153	1.9	.5	4D5	3.31	.10	3.27	3.37	41.00		.89		11	11						
3.3	5.2	14154	1.9	1.2	4D5	3.16	.05	2.95	2.27	33.00		1.10		6	7						
5.2	7.1	14155	1.9	1.7	4D5	3.00	.02	2.54	5.09	33.00		1.30		1	2						
7.1	9.1	14156	2.0	1.6	4A0	3.10	.02	1.13	2.19	22.00		.40		8	8						
9.1	11.1	14157	2.0	1.9	4A4	3.47	.05	2.02	4.23	38.00		1.03		15	16						
11.1	12.8	14158	1.7	1.7	4A4	3.58	.10	4.73	8.80	75.00		1.30	1	13	15						
12.8	14.5	14159	1.7	1.6	4A4	3.47	.10	3.41	5.40	52.00		1.37		14	14						
14.5	16.2	14160	1.7	1.7	4A4	3.95	.17	5.70	9.80	87.00		1.43	1	17	19						
16.2	17.7	14161	1.5	1.3	4A4	3.85	.17	4.42	6.50	70.00		1.91	1	18	19						
17.7	18.6	14162	.9	.9	4EA4	4.50	.05	11.00	17.00	190.00		1.51	2	19	21						
18.6	19.5	14163	.9	.9	4D0	3.47	.14	1.70	4.19	30.99		1.03	2	14	17						
22.9	24.9	14164	2.0	2.0	4A4	3.37	.11	1.76	3.99	34.00		.95		12	13						
24.9	26.9	14165	2.0	1.9	4A4	3.45	.14	3.64	6.79	66.00		.81	1	12	13						
26.9	28.9	14166	2.0	2.0	4A4	3.24	.11	2.39	4.61	41.00		.95	1	9	10						
28.9	30.9	14167	2.0	1.8	4A4	3.47	.13	3.68	5.70	70.00		.89		13	14						
30.9	31.8	14168	.9	.9	4A4	3.58	.19	4.19	7.99	76.00		1.10	1	13	14						
31.8	33.6	14169	1.8	1.6	4A4	3.20	.02	2.44	5.59	34.00		.68		7	8						
35.8	37.3	14170	1.5	1.5	4E4	4.37	.14	4.88	8.50	92.00		.75	1	24	26						
38.4	39.5	14171	1.1	1.1	4E4	4.33	.17	4.92	7.20	82.00		1.23	2	25	28						
39.5	41.0	14172	1.5	1.5	4E4	4.34	.13	5.13	9.09	96.00		2.47	1	25	27						
41.0	42.7	14173	1.7	1.5	4E46	4.50	.23	6.70	11.80	109.00		1.64	1	20	21						
42.7	44.5	14174	1.8	1.8	4E46	4.83	.17	10.00	17.10	174.00		1.03	1	19	21						
45.5	46.9	14175	1.4	1.4	4E0	4.21	.11	2.04	2.79	50.00		1.51	1	27	28						
46.9	48.3	14176	1.4	1.3	4A0	3.58	.08	1.64	2.79	35.00		1.30	1	15	16						
48.3	49.7	14177	1.4	1.2	4A0	3.27	.05	.99	1.90	26.00		.27	1	7	8						
49.7	51.7	14178	2.0	2.0	4G4	4.92	.22	6.99	11.19	116.99		1.51		18	19						
51.7	53.7	14179	2.0	1.9	4G4	4.95	.16	5.59	10.40	121.99		1.78		19	19						
53.7	55.7	14180	2.0	2.0	4G4	4.94	.10	5.79	10.50	102.00		1.51		14	15						
55.7	57.7	14181	2.0	2.0	4G4	5.13	.10	5.50	9.40	89.00		1.10		17	17						
57.7	59.7	14182	2.0	2.0	4G4	5.00	.07	5.50	10.59	90.00		.95		16	16						
59.7	61.7	14183	2.0	1.7	4G4	5.11	.10	6.00	10.19	105.00		1.23		18	18						
61.7	63.1	14184	1.4	1.4	4G4	4.95	.24	6.20	10.59	132.00		2.12		22	23						
63.1	64.8	14185	1.7	1.7	4G4	4.78	.19	7.20	8.80	99.00		1.51		22	23						
65.3	65.6	14186	.3	.3	4G4		.08	5.50	7.59	110.00											
67.1	69.2	14187	2.1	1.9	4A4		.04	5.90	4.76	62.99											
WEIGHTED AVERAGE																					
1.4	19.5		18.1	15.0		3.47	.08	3.56	5.68	54.75		1.17	1	12	13						
22.9	33.6		10.7	10.2		3.37	.11	2.91	5.55	51.55		.88	1	11	12						
35.8	37.3		1.5	1.5		4.37	.14	4.88	8.50	92.00		.75	1	24	26						
38.4	44.5		6.1	5.9		4.53	.18	6.96	11.87	120.11		1.59	1	22	24						
45.5	64.8		19.3	18.6		4.69	.13	5.09	8.54	91.11		1.34		18	18						
65.3	65.6		.3	.3			.08	5.50	7.59	110.00											
67.1	69.2		2.1	1.9			.04	5.90	4.76	62.99											

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

----DEPTHS--- FROM	TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	105.000	224.000

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.4	0001	#		0.5-	1
7.1	0002	4D5		0.5-	1
11.1	0003	4A0	&4	0.5-	1
17.7	0004	4A4	&3	0.5-	1
18.6	0005	4E4	(4A0) 95:05	0.5-	1
19.5	0006	4D0	&* &7 (5C4*) 90:10	0.5-	1
22.9	0007	5C4*	(4D3) 90:10	0.5-	1
33.6	0008	4A4		0.5-	1
35.8	0009	5A*		0.5-	1
37.3	0010	4E4	(4E4#)	0.5-	1
38.4	0011	5A$	[5862$]	0.5-	1
41.0	0012	4E4	(4A4)(4E0) 50:05:45	0.5-	1
44.5	0013	4E46	(4E0)(4G4)(4A4) 60:10:20:10	0.5-	1
45.5	0014	5C4*		0.5-	1
46.9	0015	4E0	&5 &1 &$	0.5-	1
49.7	0016	4A0	&3	0.5-	1
64.8	0017	4G4	&#	0.5-	1
65.3	0018	5C*		0.5-	1
65.6	0019	4G4		0.5-	1
67.1	0020	5C*	(5D*)	0.5-	1
69.2	0021	4A4	&3 &* ->5A19	0.5-	1
73.2	0022	5A6	&$	0.5-	1

DOH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DOH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU160	0.0	5.8	CS2		0	0	0	0	57	230	0	1	1	1
FAGU160	0.0	11.8	CS2		0	0	0	0	50	230	0	1	1	1
FAGU160	0.0	18.2	PS2	P	0	0	0	0	70	230	0	1	1	1
FAGU160	0.0	23.2	CS2		0	0	0	0	55	230	0	1	1	1
FAGU160	0.0	29.6	CS2		0	0	0	0	62	230	0	1	1	1
FAGU160	0.0	33.0	CS2		0	0	0	0	23	230	0	1	1	1
FAGU160	0.0	37.5	CS2		0	0	0	0	15	230	0	1	1	1
FAGU160	0.0	43.3	PS1	P	0	0	0	0	14	230	0	1	1	1
FAGU160	0.0	47.2	CS2		0	0	0	0	10	230	0	1	1	1
FAGU160	0.0	51.0	PS1	P	0	0	0	0	10	230	0	1	1	1
FAGU160	0.0	53.8	PS1	P	0	0	0	0	40	230	0	1	1	1
FAGU160	0.0	58.4	PS1	P	0	0	0	0	0	230	0	1	1	1
FAGU160	0.0	60.6	PS1	P	0	0	0	0	45	230	0	1	1	1
FAGU160	0.0	64.7	PS1	P	0	0	0	0	20	230	0	1	1	1
FAGU160	0.0	66.0	CS2		0	0	0	0	0	230	0	1	1	1
FAGU160	0.0	71.1	CS2		0	0	0	0	29	230	0	1	1	1

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
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
FAGU160	0.0	4.5	1R		0	0	0	0	0	0	1
FAGU160	11.1	17.7	1D		0	0	0	0	0	0	1
FAGU160	22.9	27.0	D		0	0	0	0	0	0	1
FAGU160	27.0	33.6	DX		0	0	0	0	0	0	1
FAGU160	33.6	34.5	G		0	0	0	0	0	0	1
FAGU160	35.8	36.2	D		0	0	0	0	0	0	1
FAGU160	46.9	49.7	D		0	0	0	0	0	0	1

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU160	1	1

82W-

CYPRUS ANVIL MINING CORPORATION Page 1 of 7

DIAMOND DRILL CORE LOG Date: _____

Hole Number: FAGU 160

Reference Fabric Orientation Diagram:

Project: GRum

Location: 82 W.

Claim: _____

UTM ~~Terr.~~ Plane Co-ords.: 905131.3093 N

transformation of K-A grid location 592098.6122 E

Grid Co-ords: _____

_____

All symmetry determinations looking

K-A elev 10.61m Elevation: 1095.3

NW with SW dipping

Total Depth: 73.2 m

SW with dip azimuth ~~225°~~ was 225°. now 230

Purpose: _____

Reason hole Terminated: _____

Logged by: GAJ Date(s) Logged: AUG 87

Drilling Contractor: _____

Size	CORE From	To

Collar Cased and Capped: _____

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

C.A.M.C. 1981 - E - 1

Cyprus Anvil Mining Corp.
Diamond Drill Core Log

DDH FAGU160

Date: ______ Logged By: ______

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2–8	10–16	17–24	25–32	34–39	41 42	
T	FAGU160	1095.3	905131.3	592098.6	METERS	52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2–8	10–14	22–26	28–32	34–56
R	FAGU160	00	105.0	224.0	AT COLLAR

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2–8	10–56

DDH FAGU160 — Cyprus Anvil Mining Corp.

Lithologic Log

Page 3 of 7

Date: ______ Logged By: GAJ

Code	From	To	Recov.	No.	Unit	Description
L	0	1.4		1		no recvy
L	1.4	7.1		2	4DS	not great exhalative looking sulfides - could be altered wallrock since is weakly & diffusely banded - dark med. grey phyllitic partings mainly intact, minor rubble at 4.5 (margin: near base resembles like 4A)
L	7.1	11.1		3	4AD	normal looking ribbon banded - no problem as exhalites - intact
L	11.1	17.7		4	4A4	±3 many very sphal rich layers show ductile flow bxa. (margin: ±3 = py layers near end)
L	17.7	18.6		5	4E4	(4AD) 95:5 intact
L	18.6	19.5		6	4DP±*±7	(5C4*) 90:10 massive 4D - not sure couldn't be a metam vein intact
L	19.5	22.9		7	5C4*	(4D3) 90:10 intact very carbonated chlorite and "Fuchsite"
L	22.9	33.6		8	4A4	good exhalites but much ductile flow bxa. with fault bxa superimposed below 27 m. lower contact broken - looks to be a fault. - unit mainly intact
L	33.6	35.8		9	5A*	33.6 - 34.5 = black gouge, remainder of unit is intact though mod. broken. graph rich phyllite with qtz dolo beds. minor py bearing layers but not enough for 5A19
L	35.8	37.3		10	4E0	(4E4*calc) top .4 m is 4E1 ductile flow bxa bottom .5 m is 4E4*[4J*] mainly intact
L	37.3	38.4		11	5A*	[5BG2*] borderline unit but most like 5A - good dolo qtz siltstn beds. - dark grey overall.
L	38.4	41.0		12	4E4	(4A4)(4E0) 50:5:45 intact
L	41.0	44.5		13	4E46	(4E0)(4G4)(4A4) 60:10:20:10 intact
L	44.5	45.5		14	5C4*	intact
L	45.5	46.9		15	4E4	±5 ±1 ±*dolo intact
L	46.9	49.7		16	4A0	±3 ductile flow bxn in bands of 3
L	49.7	64.8		17	4G4±*	calc remarkably homogenous banded $BaSO_4$ rich massive sulfide/sulfate unit! negligible mt. - intact

C.A.M.C. 1981 – E-

DDH F.A.G.U.1.60 (2 / 8)

Cyprus Anvil Mining Corp.

Lithologic Log

Page 4 of 7

Date: _____ Logged By: GJ

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	648	653		18	SC*	intact
L	653	656		19	464	as unit 17 "
L	656	671		20	SC*	(SD*) margin (intact)
L	671	692		21	4A0	±3 ±* grading down to SA19 top .3m is 464 which grades down to 4A30 and by .8m to 4A0 intact
L	692	732		22	SA6	±* dolo (minor) " dk grey carbonaceous phyllite with light grey laminar & to siltstone beds - some with dolo. >3-2 = EOH

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

DDH FAGU160 (2 8)

Cyprus Anvil Mining Corp.

Structural Log

Date: 14 Aug Logged By: DSJ/GAS

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		58	CSZ				57 ZRS	
S		118	CSZ				50	
S		182	INPP				70	could be RS1
S		232	CSZ				55	
S		296	CSZ				62	
S		330	CSZ				23	bounded on top by BX1 zone
S								& below by major gouge.
S		375	CSZ				15	
S		433	RS1				14	? could be PSZ
S		472	CSZ				10	
S		510	RS1				10	
S		538	RS1				40	
S		584	RS1				00	
S		606	RS1				45	
S		647	RS1				20	
S		660	CSZ				00	
S		711	CSZ				29	

DDH FAGU-160 Cyprus Anvil Mining Corp Page 6 of 7

ASSAY LOG (SAMPLER'S COPY) Date _____ Logged by _____ Sampled by _____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
P	1 4	3 3	141553	19	05	4DS	
P	3 3	5 2	141554	19	12	4DS	
P	5 2	7 1	141555	19	17	4DS	
P	7 1	9 1	141556	20	16	4A0	
P	9 1	1 1 1	141557	20	19	4A0	
P	1 1 1	1 2 8	141558	17	17	4A4	±3
P	1 2 8	1 4 5	141559	17	16	4A4	±3
P	1 4 5	1 6 2	141560	17	17	4A4	±3
P	1 6 2	1 7 7	141561	15	13	4A4	±3
P	1 7 7	1 8 6	141562	11	09	4E4	(4A0) 75:5
P	1 8 6	1 9 5	141563	11	09	4D0	(SD4*) 90:10
P	2 2 9	2 4 9	141564	20	20	4A4	
P	2 4 9	2 6 9	141565	20	19	4A4	
P	2 6 9	2 8 9	141566	20	20	4A4	
P	2 8 9	3 0 9	141567	20	18	4A4	
P	3 0 9	3 1 8	141568	19	09	4A4	
P	3 1 8	3 3 6	141569	16	16	4A4	
P	3 5 8	3 7 3	141570	15	15	4E0	(4E4* calc)
P	3 8 4	3 9 5	141571	11	11	4E4	(4A4)(4E0) 50:5:45
P	3 9 5	4 1 0	141572	15	15	4E4	(4A4)(4E0) "
P	4 1 0	4 2 7	141573	17	15	4E4.6	(4E0)(4G4)(4A4) 60:10:20:10
P	4 2 7	4 4 5	141574	18	18	4E4.6	(4E0)(4G4)(4A4) "
P	4 5 5	4 6 9	141575	14	14	4E4	±5 ±1
P	4 6 9	4 8 3	141576	14	13	4A0	±3
P	4 8 3	4 9 7	141577	14	12	4A0	±3
P	4 9 7	5 1 7	141578	20	20	4G4	
P	5 1 7	5 3 7	141579	20	19	4G4	
P	5 3 7	5 5 7	141580	20	20	4G4	
P	5 5 7	5 7 7	141581	20	20	4G4	
P	5 7 7	5 9 7	141582	20	20	4G4	
P	5 9 7	6 1 7	141583	17	17	4G4	
P	6 1 7	6 3 1	141584	17	17	4G4	

check photographs

DDH FAGU160 Cyprus Anvil Mining Corp

Page 7 of 7

Logged by GAJ

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

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 14	16 20	22 26	28 30	32 34	36 40	42
P	1631	1648	141815	17	17	464	
P	1653	1656	141816	03	03	464	
P	1671	1692	141817	21	19	ANA	±3 ± *

C.A.M.C. 1981 - E - 5

DDH FAGU160 (2 — 8)

Cyprus Anvil Mining Corp.

Structural Log

Page _____ of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 — 14	16 — 20	22 — 24	26	28 — 32	34 — 38	40 — 44	
		45	1 R					
	1	177	1 D					
	229	270	D					
	270	336	D X					
	336	345	G					
	358	362	D					
	469	497	D					

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

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

D.D.H. Nº 76-U-160 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE 10,930.319mN 3N STARTED AUGUST 27, 1976

DEPARTURE 7,409.153 82W COMPLETED AUGUST 28, 1976

ELEVATION 1.105.88 PROPOSED DEPTH

ULTIMATE DEPTH 240' - 73.2m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	-15°

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 83.2%

Interval From	Interval To	DESCRIPTION		Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	33.5	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent.	25 8	1.2	4689	0	4.6	4.6	2.43	2.55	28.46			11.18	11.73	130.92
		Foliation F_2 = 55-60°; F_1 = 0-10°. Wider band of	25 10	1.8	4690	4.6	7.0	2.4	2.73	4.75	32.23			6.55	11.40	77.35
		sulfides show compositional banding Py/Sph-Gal =	20 5	2.0	4691	7.0	10.0	3.0	1.13	2.45	18.17			3.39	7.35	54.51
		parallel to F_2.	40 6	2.0	4692	10.0	12.2	2.2	3.30	6.18	52.46			7.26	13.60	115.41
		19.6-22.9: Bleached sericite-chlorite phyllite (Sbc).	25 8	1.5	4693	12.2	13.7	1.5	4.95	6.78	66.51			7.43	10.17	99.77
		Competent. Green stripes and spots of chlorite	30 10	1.5	4694	13.7	15.2	1.5	5.20	7.98	75.77			7.80	11.97	113.66
		together with blue-green fuchsites in white groundmass.	30 10	1.6	4695	15.2	16.8	1.6	5.48	8.74	75.77			8.77	13.98	121.23
		F_2 = 35-40°; with series of ellipsoidal F_1 fold nose	40 12	1.5	4696	16.8	18.3	1.5	7.18	8.73	119.0			10.77	13.10	178.46
		closures.	35 8	1.2	4697	18.3	19.6	1.3	7.42	13.21	110.1			9.65	17.17	143.08
		33.5: Abrupt change to Graphitic phyllite (G).	5 Tr.	3.0		19.6	22.9	3.3								
		Contact broken core.	25 8	1.5	4698	22.9	24.4	1.5	2.00	4.45	34.29			2.00	6.68	51.44
33.5	36.0	GRAPHITIC PHYLLITE (G). Broken flakey core.	30 9	1.5	4699	24.4	25.9	1.5	2.13	4.30	38.40			3.20	6.45	57.6
		F_2 = 60°; F_1 = 0-5°.	25 8	1.5	4700	25.9	27.4	1.5	4.88	7.59	75.77			7.32	11.39	113.66
		33.6-33.9: FAULT. Dark sticky thick gouge.	25 8	1.5	4798	27.4	29.0	1.6	2.30	4.45	37.37			3.68	7.12	59.79
			30 8	1.5	4799	29.0	30.5	1.5	4.08	6.08	67.54			6.12	9.12	101.31
		36.0: Abrupt change to Massive sulfide. Contact	30 8	1.5	4800	30.5	32.0	1.5	5.00	8.25	75.77			7.50	12.38	113.66
		marked by 20cm. long sulfide Bx cemented by graphite.	25 5	1.0	4801	32.0	33.5	1.5	2.28	4.88	40.46			3.42	7.32	60.69

LOGGED BY _____ D.D.H. NO 76-U-160 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
36.0	37.1	MASSIVE SULFIDE (M) WITH SHORT INTERVAL OF SULFIDE BX (MXq)	1.3		33.5	36.0	2.5								
		from 36-36.2. Rest of run almost structureless except 60 3	1.0	4802	36.0	37.1	1.1	5.34	7.08	84.69					
		for some faint compositional banding = 40°.		W.Av.	0	10.0	10.0	2.11	3.05	26.3			21.12	30.48	262.78
				W.Av.	4.0	7.0	3.0	2.67	4.31	31.5			8.01	12.93	94.43
		37.1: Sharp change to Graphitic Phyllite (G) = 40°.													
37.1	38.4	GRAPHITIC PHYLLITE (G). Broken flakey core. F_2 = 15-30°;	0.9		37.1	38.4	1.3	Trace, est.							
		F_1 = 90° - could have been shifted by faulting. Calcite as		W.Av.	10.0	19.5	9.5	5.38	8.33	80.38			57.68	79.99	771.61
		short discontinuous stringers in random orientation. Thin		W.Av.	12.2	19.6	7.4	6.00	8.97	88.7			44.42	66.39	656.20
				W.Av.	13.7	19.6	5.9	6.27	9.53	94.3			36.99	56.22	556.43
		sulfide laminae Py: 1%; PbZn: Trace.		W.Av.	22.9	33.5	10.6	3.23	5.70	52.66			34.24	60.46	558.15
				W.Av.	22.9	25.9	3.0	2.07	4.38	36.35			6.2	13.13	109.04
		38.4: Abrupt change to Massive sulfide. Contact wavy with		W.Av.	29.0	32.0	3.0	4.54	7.17	71.66			13.62	21.50	214.97
		average plane = 75°.		W.Av.	25.9	32.0	6.1	4.04	6.56	63.7			24.62	40.01	388.42
				W.Av.	25.9	29.0	3.1	3.55	5.97	56.0			11.00	18.51	173.45
38.4	44.4	MASSIVE SULFIDE - banded and with barite ground mass variety													
		(MB+Mb). Competent. Compositional banding = 30°. 70 5	1.6	4803	38.4	40.2	1.8	3.30	3.95	49.03			5.94	7.11	88.25
		60 15	2.5	4804	40.2	42.7	2.5	8.76	14.98	145.0			21.9	37.45	362.58
		41.1-42.5; 43-44: Barite in groundmass. 60 12	1.7	4805	42.7	44.4	1.7	9.16	16.02	156.3			15.57	27.23	265.78
		44.4: Abrupt change to Bleached Phyllite (Sb).													
		Contact = 15°.		W.Av.	40.2	44.4	4.2	8.92	15.4	149.6			37.47	64.68	628.36
44.4	45.3	BLEACHED PHYLLITE (Sb); half of the core is with mariposite	0.9		44.4	45.3	0.9								
		and half with chlorite (lengthwise). Division marked by		W.Av.	38.4	44.4	6.0	7.24	11.97	119.4			43.41	71.79	716.61
		quartz = 5°. Series of F_2 fold noses													
		NOTE: Drill must be penetrating sub-parallel or tangential													
		F_2.													

LOGGED BY _____ D.D.H. NO 76-U-160 PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		45.3: Sharp contact with massive sulfide unit (M) = 35°.													
45.3	68.6	MASSIVE SULFIDE BANDED (MB) AND BARITE IN GROUNDMASS 40 5	1.9	4806	45.3	47.2	1.9	3.00	2.85	55.54			5.70	5.42	105.53
		VARIETY (Mb). Also interval with graphite laminae 40 6	2.6	4807	47.2	49.8	2.6	1.60	2.55	30.17			4.16	6.63	78.44
		(Mg). Competent. 65 10	2.0	4808	49.8	51.8	2.0	7.26	12.00	120.0			14.52	24.00	240.00
		45.3-45.7: Compositional band = 40°. 65 10	2.8	4809	51.8	54.9	3.1	5.45	10.35	100.8			16.90	32.09	312.48
		45.7-48.9: Foliation marked by graphitic consti- 60 15	3.0	4810	54.9	57.9	3.0	5.65	10.09	94.63			16.95	30.27	283.89
		tuent parall to core axis with series of 60 15	1.5	4811	57.9	59.4	1.5	5.80	9.85	80.57			8.70	14.78	120.86
		ellipsoidal fold nose closures. 65 15	1.6	4812	59.4	61.0	1.6	5.75	9.38	101.8			9.20	15.01	162.93
		50.3-59.4: Compositional bands Sulfides/barite sub- 65 15	1.5	4813	61.0	62.5	1.5	7.00	10.25	129.9			10.50	15.38	194.91
		parallel to core axis with gradual change. 65 12	2.4	4814	62.5	65.0	2.5	6.60	9.70	115.9			16.50	24.25	289.73
		NOTE: Long sample intervals - drill appear to be 1	0.3		65.0	65.3	0.3								
		penetrating same stratigraphic horizon. 60 4	0.4		65.3	65.7	0.4								
		57.9-59.4: Banding disposition changes. Transitional 1 NIL	1.4		65.7	67.1	1.4								
		zone. Sulfides like dissemination in 25 5	1.5	4815	67.1	68.6	1.5	3.88	6.23	69.60					
		barite groundmass.		W.Av.	38.4	44.4	6.0	7.24	11.97	119.4			43.41	71.79	716.61
		59.4-64.0: Compositional band = 20-40°.		W.Av.	45.3	49.8	4.5	2.19	2.68	40.88			9.86	12.05	183.97
		65-65.3: Chlorite-quartz interval. Contact abrupt and		W.Av.	49.8	65.0	15.8	6.14	10.25	105.6			93.27	155.78	1604.80
		clean = 40°. F_2 = 45-50°; F_1 = 0°.		W.Av.	38.4	65.0	26.6	5.51	9.00	94.0					
		Series of small F_1 fold noses.													
		65.7-67.0: Chlorite-quartz phyllite (C). Same general													
		characteristic as preceeding run. F = 50°;													

LOGGED BY

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		67.1-68.6: Transition zone. Rx becoming graphitic phyllite. This run is mineralized graphitic phyllite (PG). F_2 = 35°. Changing to Graphitic Phyllite (G).													
68.6	73.2	GRAPHITIC PHYLLITE (G). Fissile, breaking easily into poker chips. F_2 = 35-40° with F_1 = 10-20° @ 70.2m., (F_1 opposite dip direction F_2). Foliation changing to F_2 = 15-20°; F_1 perpendicular to F_2 @ 73.1m.	2.8		68.6	73.2	4.6								
	73.2	END OF HOLE.													

DDH: FAGU160 -- 132 DEGREE PROFILE

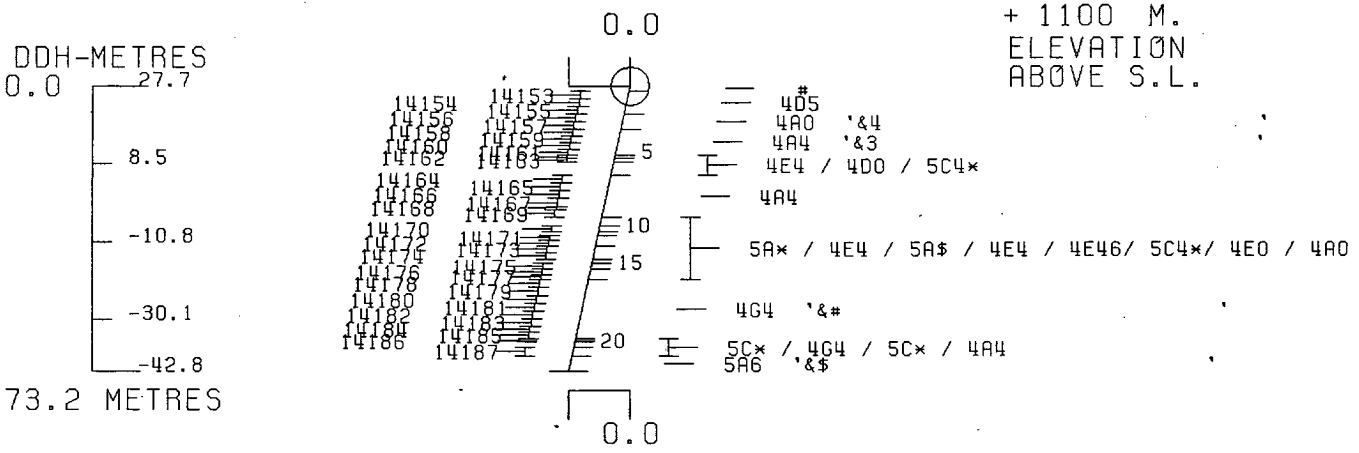
(VIEW AZIMUTH = 42 DEGREES)

ELEV:1095 592099E ; 905131N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 211.9 Z = 1095.3

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 9 JUL 1985 9:07 AM

DDH: FAGU160 -- 132 DEGREE PROFILE

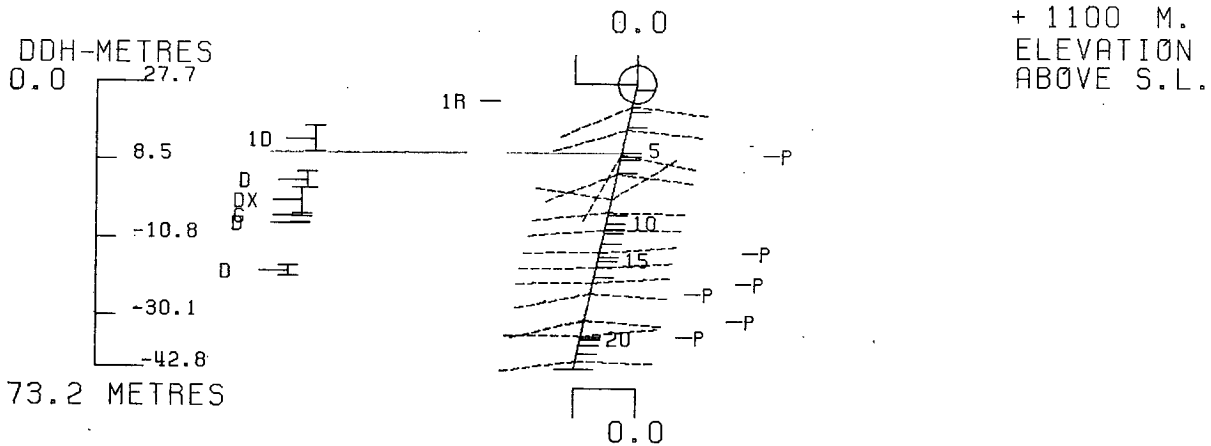
(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1095 592099E ; 905131N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 211.9 Z = 1095.3

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION

PROGRAM DH161 8 JUL 1985 4:24 PM

FAGU162

DRILL HOLE : FAGU162

NORTHING : 905,131.5

EASTING : 592,099.0

ELEVATION : 1,094.4

TOTAL DEPTH : 153.9

SECTION : W 82

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: 24

NOS DOWN-H-SURVEYS: 4

NOS DOWN-H-LITHOLOGY: 72

NOS DOWN-H-STRUCTURE: 22

NOS DOWN-H-FAULTS: 8

NOS DOWN-H-SPLINES: 4

NOS COMPOSITES: 0

DDH: FAGU162 UTM-N: 9C5,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,C94.4 TOTAL DEPTH: 153.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

----DEPTHS--- FROM	TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
10.0	12.0	14031	2.C	1.8	4AO	3.04	.05	1.96	.68	29.99		.75	1	6	8						
12.0	14.0	14032	2.0	2.0	4AO	3.0C	.05	.66	.31	13.99		.62		7	8						
14.0	16.0	14033	2.C	1.9	4AC	3.14	.07	1.4C	1.14	24.00		.68		11	12						
16.0	18.0	14034	2.C	1.7	4AO	3.1C	.07	1.3C	1.22	24.00		.75	1	8	10						
18.0	19.6	14035	1.6	1.5	4AO	3.02	.05	.86	.78	17.00		.55		9	10						
19.6	21.6	14036	2.C	2.0	4C5	2.95	.05	.85	1.38	15.99		.4C		4	4						
21.6	23.4	14037	1.8	1.5	4C5	2.87	.05	1.15	2.41	20.CO		.55		3	3						
23.4	25.0	14038	1.6	1.0	4AO	3.27	.13	.93	2.27	19.00		1.7C		15	16						
25.0	26.6	14039	1.6	1.5	4A4	3.16	.07	2.19	3.68	40.CO		1.1C		11	11						
26.6	27.7	14040	1.1	1.1	4E4	4.37	.20	3.93	5.90	86.00		1.37	1	29	31						
34.5	35.7	14041	1.2	1.1	4GL		.02	3.79	7.90	84.00											
49.2	50.7	14042	1.5	1.4	4G4	4.00	.02	6.09	11.80	127.99		.81	1	7	9						
50.7	52.3	14043	1.6	1.5	4G4	3.99	.16	7.4C	15.09	131.00		1.85	1	9	11						
52.3	54.0	14044	1.7	1.7	4G4	4.34	.07	6.79	13.09	143.00		1.03	1	11	12						
100.1	102.0	14045	1.9	1.8	4AED	3.43	.17	2.0C	2.85	29.99		1.98	3	17	20						
102.0	104.0	14046	2.C	2.0	4DO	3.50	.32	1.85	3.18	33.00		.95	4	17	21						
104.0	105.7	14047	1.7	1.5	4CO	3.52	.29	1.34	2.02	26.CO		.89	4	17	22						
105.7	107.6	14048	1.9	1.7	4ALD	3.20	.11	1.76	2.50	31.99		.4C	3	10	14						
107.6	110.5	14049	2.9	2.9	4C5		.23	.58	.68	13.99											
110.5	112.8	14050	2.3	1.9	4AO		.02	1.13	1.69	19.CO											
132.4	133.1	14052	.7	.7	4E4		.04	3.83	6.59	80.CO											
142.4	144.0	14053	1.6	1.6	4GA	3.52	.05	1.88	3.68	37.CO		.47	2	10	13						
144.0	145.5	14054	1.5	1.2	5C*	3.18	.01	.80	2.24	17.00		.34	3	6	10						
145.5	147.2	14C55	1.7	1.6	4GH	4.51	.14	4.36	7.20	77.00		1.58	6	18	24						
WEIGHTED AVERAGE																					
10.0	27.7		17.7	16.0		3.14	.07	1.42	1.75	26.45		.80		9	10						
34.5	35.7		1.2	1.1			.02	3.79	7.90	84.00											
49.2	54.0		4.8	4.6		4.12	.08	6.78	13.35	134.31		1.23	1	9	11						
100.1	112.8		12.7	11.8		2.01	.19	1.37	2.03	24.59		.62	2	9	11						
132.4	133.1		.7	.7			.04	3.83	6.59	80.CO											
142.4	147.2		4.8	4.4		3.77	.07	2.42	4.47	44.91		.82	4	12	16						

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	155.000	224.000
38.100	158.000	228.000
77.500	161.000	216.000
123.400	166.000	193.000

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
4.8	0001	5C&		0.5-	1
5.4	0002	4L14	2	0.5-	1
5.8	0003	5C&	&4	0.5-	1
8.0	0004	4CC	(4A0)(5D4*)	0.5-	1
10.0	0005	5C$	(10QC &$) 80:20	0.5-	1
19.6	0006	4A0	(5D4*) 95:05	0.5-	1
23.4	0007	4C$		0.5-	1
26.6	0008	4AC	&3 &4 (4D5)	0.5-	1
27.7	0009	4E4	&1 &$	0.5-	1
27.9	0010	4L0	&$	0.5-	1
34.5	0011	5A$		0.5-	1
35.2	0012	4G4	(5D4*) 95:05	0.5-	1
35.7	0013	4L14	62	0.5-	1
38.7	0014	5A$	(5A0)	0.5-	1
48.7	0015	5A0	(5A$)	0.5-	1
49.2	0016	3G4	->4L0 (10C*) 60:40	0.5-	1
49.8	0017	4G4		0.5-	1
50.3	0018	5C$	(4G4) 65:35	0.5-	1
51.8	0019	4G4		0.5-	1
52.3	0020	5A19	$	0.5-	1
54.0	0021	4G4	(5C$) 99:01	0.5-	1
54.9	0022	4L12	465	0.5-	1
59.0	0023	5A$	(5D4$) 98:02	0.5-	1
66.5	0024	5B62	&C	0.5-	1
68.0	0025	5AC	&$	0.5-	1
68.3	0026	5DC	(10Q*)	0.5-	1
68.4	0027	4A4	(10QC)	0.5-	1
72.5	0028	5BC	&2 &$ (10Q$) 95:05	0.5-	1
77.0	0029	5DC	(5B80)(10Q*) 75:20:05	0.5-	1
82.6	0030	5B0	&2 &8 (10Q0) 98:02	0.5-	1
83.7	0031	5DC	(10Q0) 98:02	0.5-	1
84.3	0032	5B82	0 (1CQ0) MINOR	0.5-	1
85.3	0033	5A3	(5D0) 98:02	0.5-	1
89.9	0034	5BC	&8	0.5-	1
90.7	0035	5B2$	(5D4$) 70:30	0.5-	1
91.1	0036	4A1	&7 &9	0.5-	1
92.0	0037	4L67	(4D3)	0.5-	1
98.5	0038	5BC	&2 &*	0.5-	1
100.1	0039	5B62	$	0.5-	1
100.4	0040	4A4		0.5-	1
100.6	0041	4E48	(4G4)	0.5-	1
105.7	0042	4D0	&7 &9	0.5-	1
106.2	0043	4LC	->3G4	0.5-	1
106.5	0044	4AC		0.5-	1
107.6	0045	4DC	(4L624) AT TOP	0.5-	1
110.5	0046	4C5	&7 &9 ->4A13	0.5-	1
110.8	0047	4A0		0.5-	1
111.4	0048	5D4*		0.5-	1
112.8	0049	4AC	(5B6$) 80:20	0.5-	1
113.3	0050	5B6$	&2	0.5-	1
113.5	0051	4D5	->4A0 (10QC)	0.5-	1

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,059.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
114.3	0052	5D4$	(10Q$)	0.5-	1
114.9	0053	10QC		0.5-	1
119.3	0054	5B26	$ (10Q$) 90:10	0.5-	1
121.2	0055	5A0	(5B2C &#)(10QC &#) 55:15:30	0.5-	1
123.0	0056	5B20	8 (10Q0) 97:03	0.5-	1
130.4	0057	5B23	(5A3 &$)(10Q$)	0.5-	1
132.4	0058	3GC	(3G8)(10QC) 60:40	0.5-	1
133.1	0059	4E4	&$ (10Q$)(5C$)	0.5-	1
134.3	0060	3G8		0.5-	1
141.3	0061	3GC	&9 (10Q0) 90:10	0.5-	1
142.4	0062	4LC		0.5-	1
143.0	0063	4G4		0.5-	1
143.1	0064	5C$		0.5-	1
143.3	0065	4G4		0.5-	1
144.0	0066	4AC		0.5-	1
145.5	0067	5C$	(4G4)(4L24) 55:15:30	0.5-	1
146.7	0068	4G4		0.5-	1
147.2	0069	4H2	$	0.5-	1
147.4	0070	5C$		0.5-	1
149.9	0071	3GC	(10Q0) 98:02	0.5-	1
153.9	0072	3G9	(10Q0) 90:10	0.5-	1

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHCC	SDC	PROCESS
FAGU162	0.0	5.4	CS2	C	0	0	0	0	82	230	0	1	1	1
FAGU162	0.0	14.5	CS2		0	0	0	0	86	230	0	1	1	1
FAGU162	0.0	21.4	CS2		0	0	0	0	85	230	0	1	1	1
FAGU162	0.0	30.2	CS2		0	0	0	0	62	230	0	1	1	1
FAGU162	0.0	37.1	CS2	D	0	0	0	0	75	230	0	1	1	1
FAGU162	0.0	44.0	CS2		0	0	0	0	78	230	0	1	1	1
FAGU162	0.0	49.7	PS2	P	0	0	0	0	62	230	0	1	1	1
FAGU162	0.0	56.5	CS2	Z	0	0	0	0	50	230	0	1	1	1
FAGU162	0.0	63.5	CS2	Z	0	0	0	0	55	230	0	1	1	1
FAGU162	0.0	71.6	CS2	Z	0	0	0	0	65	230	0	1	1	1
FAGU162	0.0	77.7	CS2		0	0	0	0	72	230	0	1	1	1
FAGU162	0.0	86.4	CS2		0	0	0	0	68	230	0	1	1	1
FAGU162	0.0	92.3	CS2		0	0	0	0	90	230	0	1	1	1
FAGU162	0.0	99.0	CS2		0	0	0	0	80	230	0	1	1	1
FAGU162	0.0	107.2	PS2	P	0	0	0	0	80	230	0	1	1	1
FAGU162	0.0	113.3	CS2		0	0	0	0	62	230	0	1	1	1
FAGU162	0.0	121.0	PS2	P	0	0	0	0	53	230	0	1	1	1
FAGU162	0.0	128.1	CS2		0	0	0	0	66	230	0	1	1	1
FAGU162	0.0	134.9	PS2	P	0	0	0	0	72	230	0	1	1	1
FAGU162	0.0	140.8	CS2		0	0	0	0	72	230	0	1	1	1
FAGU162	0.0	148.0	CS2		0	0	0	0	42	230	0	1	1	1
FAGU162	0.0	153.2	PS2	P	0	0	0	0	60	230	0	1	1	1

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
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
FAGU162	26.6	27.7	1D		0	0	0	0	0	0	1
FAGU162	66.7	66.8	G		0	0	0	0	99	999	1
FAGU162	0.0	67.7	1G		0	0	99	999	0	0	1
FAGU162	66.8	68.0	2B		0	0	0	0	0	0	1
FAGU162	114.3	114.8	XQ		0	0	0	0	0	0	1
FAGU162	114.8	114.9	G		0	0	0	0	0	0	1
FAGU162	0.0	116.5	1G		0	0	0	0	0	0	1
FAGU162	142.2	142.3	G		0	0	99	999	0	0	1

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU162	1	2
FAGU162	2	2
FAGU162	3	2
FAGU162	4	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY/ AT: 10:20:35

82W.

CYPRUS ANVIL MINING CORPORATION

Page 1 of 11

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 162

Reference Fabric Orientation Diagram:

Project: GRUM

Location: 82W

Claim: _____

Terr.Plane Co-ords.: 905131.5 N

transformed K-A grid coordinates

592099.0

~~592098.9~~ E

Grid Co-ords: _____

All symmetry determinations looking

W.A elev. 10.61m

Elevation: 1094.4

NW with 5° dipping

Total Depth: 153.9 m

SW with dip azimuth ~~was 225~~ now 230

Purpose: _____

Reason hole Terminated: _____

Logged by: DSJ GAJ.

Date(s) Logged: 8 AUG 82

Drilling Contractor: _____

Size	CORE From	To

Collar Cased and Capped: _____

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

Cyprus Anvil Mining Corp.

DDH FAGM162 (2 8)

Diamond Drill Core Log Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T	FIAGM1162	11109144.14	9105131.15	~~5192098.9~~ 592099.0	METERS	52	

LCP - June 23/83

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	FIAGM1162	100	15151.0	212141.0	AT COLLAR
R	FIAGM1162	1381	15181.0	212181.0	SPERRY SUN
R	FIAGM1162	1717	16110.0	211610.0	
R	FIAGM1162	1213	16161.0	211931.0	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56

DDH FAG 4,1,6,3 (2–8)

Cyprus Anvil Mining Corp.

Lithologic Log

Date: 8 Aug 82 Logged By: DSJ/GAJ

Code (1)	From (10–14)	To (16–20)	Recov. (22–24)	No. (26–28)	Unit (30–34)	Description (35)
L	10	48		1	5C*	ankeritic; heavily carb. & mottled; intact
L (no samp)	48	54		2	4L14	2 lt. buff. gray strongly banded (ZnS +py); non-$CO_3^=$ bearing, no fuchsite; probably transposed veins in alt.d wallrk
L	54	58		3	5C*	±4 ankeritic; cf. #1 but more heavily carbonated
L (no samp)	58	80		4	4C0	(4A0, 5D4*); complexly interbanded unit of off-white to buff py-phyles, lo $S^=_T$ 4A0 & heavily CQ0+OQ* veined 5D4*
L	80	100		5	5C*	dol; heavily carb. (CQ0±*) = 20%
L	100	196		6	4A0	(5D4*) 95:5, norm. dk. gray strongly banded mod. $S^=_T$ low BM sulf. variant unit in fact 4A1 as gen. v. siliceous
L	196	234		7	4C5	lt. gray, pervasively silicified, lo $S^=_T$ var. ZnS is dom. sulf. occurring as diss. mineralization, dominantly 11S; only minor sulfide banding & sed. banding over interval; unit bounded top & bottom by good "exhalative" 4A, this strongest argument in favor of considering this unit exhalative; on it's own this would be difficult to determine origin
L	234	266		8	4A0	±3±4 (4D5); good "normal exhalative" var. w/ strong banding & variable sulfide proportions in altmning silica-sulfide & carb. pelite bands
L	266	277		9	4E0	±1±* dol.; normal 4E, gen. unbanded w/ minor dol. patches & qtz ductile microbxia
L	277	279		10	4L0	±* dol; half of unit dolomitic & suspected to be 5D4* but no fuchsite & foliae are distinctly grayish ∴ 4L preferred
L	279	345		11	5A*	dolomitic; unit is "striped" interleaved black, non-$CO_3^=$-bearing pelite & lt. gray

Code	From	To	Recov.	No.	Unit	Description
1	10–14	16–20	22–24	26–28	30–34	35
						qtz-dol bands prob representing dolomitic silty turbidites/siltstones "marker unit"
4	345	352		12	4G4	(5D4*) ≈ 95:5; normal, well banded v. high grade variant
4 (sample)	352	357		13	4L14	62
4	357	387		14	5A*	(5AO) unit as #10 w/ dol. dominant $CO_3^=$ in lt. colored siliceous bands w/ minor calcite
4	387	487		15	5AO	(5A*) continuation of above w/ change in dominant $CO_3^=$ species from dol. to calcite; unit strongly banded or striped as #10 w/ all carbonate in lt. gray siliceous bands; unit ≈ 5% irreg. OQO mainly toward base of interval. N.B.: all units to this point intact w/ no areas of obvious core loss or faults
4	487	492		16	3G4	⇒ 4LO (OQ*) 60:40
4	492	498		17	4G4	normal, banded, high grade as #11
4	498	503		18	5C*	(4G4) 65:35; spectacular unit of carbonatized (dol.) dk. green mottled & banded 5C* & 1–3 cm. ~~thick~~ 4G4 → 4E46 high grade bands
4	503	518		19	4G4	lt. gray, heavily pyritic typical high grade 4G4
4	518	523		20	5A14	* dolo. dolo in lt grey qtz $CO_3^=$ ± py bands resembling 4A but unit ≠ 4A, unit intact
4	523	540		21	4G4	(5C*) * = dolo. 99:1 4G is lt grey heavily pyritic and rich in rosin colored sphal – 5C is foliaform mass near center unit
4 (imp)	540	549		22	4L12	4O5 patchily & weakly calc. lt green tinge, carries sphal minor py & po intact
4	549	590		23	5A*	(5D4*) as thin tuff(?) bands, 2% of unit

* = dolo in 5A occurs in lt grey siliceous bands separated by black pelitic folia, like unit 10., intact

DDH FAGU162 (2 / 8)

Cyprus Anvil Mining Corp.

Lithologic Log

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Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	5900	6665		24	SB62	± 0 trace calcite. - unit generally non calc only minor calc lithons but non calc lithons (siltstn) abound unit stripped due to carbonaceous S_2 folia, intac
L	6665	6800		25	SA0	±* black phyllite with interbanded thin gtz CO_3 lamina // S_2 with variable prop. calcite/dolomite - unit moderately broken thought with gouge at 66.7-66.8 x cuts S_2 horizontal upper contact, // S_2 at base; 3cm S_2 // gouge @ 67.7m
L	6800	6833		26	SD0	(00*) intact
L	6833	6844		27	4A4	(000)
L	6844	7225		28	SB0	±2 ±*(?) dolo unit good Vangorda formation with only minor dolo lithons, (00*) 5%
L	7225	7700		29	SD0	(SB80) 75:20 (00*)5 all units normal calc Vangorda fm - intact
L	7700	8266		30	SB0	±2 ±8(000) 1-2% normal CO_3 w dark grey S_2 // carb folia giving weakly stripped appearance
L	8266	8377		31	SD0	(000) 1-2% intact
L	8377	8433		32	SB820	as unit 29 (000) minor
L	8433	8553		33	SA3	(500) 98:2 highly calc w CO_3 restricted to lt grey S_2/CO_3 bands defining lithons
L	8553	8999		34	SB0	±8 unit mod grey green - mostly pervasively S_2 foliated but some remaining lithon struct outlined by qtz + CO_3 layers - typical CO_3
L	8999	9077		35	SB2*	6 (500*) 30% mod to mod dark grey non calc variably carbonac * = dolo in lt grey S_2 bands - like CO_3 but with dolo instead of calcite
L	9077	9111		36	4A1	±7 ±9 unit of questionable origin

no sump

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

DDH EAGU162

Cyprus Anvil Mining Corp.

Lithologic Log

Date: ______ Logged By: ______

Code	From	To	Recov.	No.	Unit	Description
						but probably exhalative with py + sphal
						rich layers and carb qtzite
L	91.1	92.0		37	4L67	(4D3) 4L has minor ? may not be
						stratiform
L	92.0	98.5		38	5B0	±2 ±*(?) seem to be 2 $CO_3^=$ species in
						some lamina otherwise normal 5B
L	98.5	100.1		39	5B62	* med-dark grey - strongly dolomitic
						good lithon structure - looks like
						marker above $S^=$, looks like CO_v
						but dol.
L	100.1	100.4		40	4A4	normal exhalative, moderate tot $S^=$
						moderately siliceous
L	100.4	100.6		41	4E48	(464) may be top of Anvil cycle.
L	100.6	105.7		42	4D0	±7 ±9 very pyritic quartzite with
						good deal of cpy + po in scattered
						fracts, py 35-45% of unit and
						distributed in good bands as well
						as heavily disseminated
L	105.7	106.2		43	4L0	→ 364
L	106.2	106.5		44	4A0	low tot $S^=$, low py but good 4A
L	106.5	107.6		45	4D0	(4L624) 4L in top .1m. O.I.
						4D as in unit 41
L	107.6	110.5		46	4C5	±7 ±9 → 4A13 siliceous carbonac.
						wispy lamina distinguish from
						unit 44 - strongly siliceous exhalative look
L	110.5	110.8		47	4A0	
L	110.8	111.4		48	5D4*	intact as most of hole has been
						save noted gouges
L	111.4	112.8		49	4A0	(5B6* dol) 80:20 4A has low total
						py rich in sphal - thinly but strongly
						banded - very siliceous overall - looks
						like good exhalite
L	112.8	113.3		50	5B6*	±2 dol. similar to unit 38
						shows good lithon structure like
						CO_v should
L	113.3	113.5		51	4D5	→ 4A0 (090) intact normal,

No Sample (margin note beside unit 37)

DDH FAGU162 (2 8)

Cyprus Anvil Mining Corp.

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	1113 5	1114 3		52	504*	dolo(OP*) with disseminated blebby massive sphal py in OP* bands which are probably pre D_2 veins
L	1143	1149		53	OPP	veins with 50-70% $S^{=}$ dominantly py sphal - OPO is brecciated and has minor 504* frags - unit looks like flow brecciated vein - larger version of veins in unit 51, base of unit is IND gouge at 114.8 - 114.9
L	1149	1193		54	SB216	*(OP*) 10% mod grey to med dk grey PS_2 foliated with minor lt grey qtz dolo lamina - unit distinctly not as dolo as unit 38 and 49 despite similar name, .1 m ind gouge at 116.5
L	1193	1212		55	SA10	(SB20 ±*)(OPO ±*) 15% black to dark grey PS_2 foliated with 20-30% lt colored qtz $CO_3^{=}$ bands with calcite dominant $CO_3^{=}$
L	1212	1230		56	SB210	8(OPO) 7 3% light grey green musc chl phyllite with prominent calcite bearing lithons - unit happy in FO_2
L	1230	1304		57	SB23	(SA3 ± * dolo)(OP*) 5% - strongly stripped assemblage of dk grey to black non calc phy with lt grey qtz CO_3 folia showing good lithon structure similar to units up hole - main $CO_3^{=}$ species is calcite
L	1304	1324		58	360	(368)(OPO) normal PS_2 foliated with irregular OPO sweats 368 ~40% of interval is weakly S_2 II banded but generally homogenous not too disseminated to that in #456-07 under decal Lk. but not as much
L	1324	1331		59	4E4	±* dolo (OP*) (SC*) interval thinly

DDH FAGU162 **Cyprus Anvil Mining Corp.** Page 8 of 11

Lithologic Log Date: Logged By:

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						to laminarly banded - very high grade +20% - rosin colored sphal, 15% of unit, 5C+00* at 132.7 to 132.9
L	1331	1343		60	368	dull lt green pS2 foliated w weak banding ll S2 - may be a meta tuff or SD6 equivalent
L	1343	1413		61	360	±9(000) 5-10% unit pS2 foliated characteristically dk med grey / lt grey striped phylite as seen at unit 23
L	1413	1424		62	4L0	shows broad .5m tx contact with overlying unit, intact save for .1m ~S2 ll gouge at 142.2 - 142.3
L	1424	1430		63	464	normal perv. foliated thinly banded, highgrade
L	1430	1431		64	5C*	dolo
L	1431	1433		65	464	
L	1433	1440		66	4A0	low tot S= py dominant normal exhalative looking
L	1440	1455		67	5C*	dolo. (464)(4L24) 55:15:30 complexly infolded sequence of 5C* and 4G clearly an F2 M region with at least 2 F2 closures seen
L	1455	1467		68	464	as above.
L	1467	1472		69	4H2	* dolo, has an inclusion of 4A0 with S2 ll to core axis ie rotated
L	1472	1474		70	5C*	dolo, mottled typical of 5C with broad sigmoidal pattern to S2 ie. flat at top & bottom steep in middle of unit
L	1474	1499		71	360	(000) 1-2% normal carbonac 36 not speckled no stringers no dolo siltstn bands. - just normal 360

DDH FAG 01 62 (2 — 8)

Cyprus Anvil Mining Corp.

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
L	1499	1539		72	3691	(opo) 5-10% opo as irregular S_2 foliaform .05-.1 m thick masses. - unit not speckled or stringered - not dolomitic
						153.9 = EOH

DDH FAGU-162 (2 / 8)

Cyprus Anvil Mining Corp.

Structural Log

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Date: _____ Logged By: DSJ

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		54	I,N,D	D			82 225	CS_2
S		1H5	CS2				86	
S		214	CS2				85	
S		302	CS2				62	
S		371	I,N,D	D			75	CS_2
S		440	CS2				78	
S		497	I,N,D	P			62	
S		565	CS2	Z			50	
S		635	CS2	Z			55	
S		716	CS2	Z			65	
S		777	CS2				72	$\rightarrow PS_2$
S		864	CS2				68	
S		923	CS2				90	
S		990	CS2				80	
S		1072	I,N,D	P			80	
S		1133	CS2				62	
S		1210	I,N,D	P			53	
S		1281	CS2				66	
S		1349	I,N,D	P			72	
S		1408	CS2				72	
S		1480	CS2				42	flattens out near 151 stop from 142-2-151-0
S		1532	CS2	P			60	

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

DDH FAGW 16.2 **Cyprus Anvil Mining Corp**

Logged by DSJ/GAJ

ASSAY LOG (SAMPLER'S COPY) Date 8 Aug 82 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10–14	16–20	22–26	28–30	32–34	36–40	42
P	1100	1120	14031	20	18	4A0	(5D4*)
P	1120	1140	14032	20	20	4A0	"
P	1140	1160	14033	20	19	4A0	"
P	1160	1180	14034	20	17	4A0	"
P	1180	1196	14035	16	15	4A0	"
P	1196	1216	14036	20	20	4C5	
P	1216	1234	14037	18	15	4C5	
P	1234	1250	14038	16	10	4A0	±3±4(4D5)
P	1250	1266	14039	16	15	4A0	" " "
P	1266	1277	14040	11	11	4E0	±1±*dol.
P	1345	1357	14041	12	11	4G4	(4L1462, 5D4*)
P	1492	1507	14042	15	14	4G4	(5C*)
P	1507	1523	14043	16	15	4G4	(5A19*)
P	1523	1540	14044	17	17	4G4	
P	1001	1020	14045	19	18	4D0	(4A4, 4E48, 4G4)
P	1020	1040	14046	20	20	4D0	±7±9
P	1040	1057	14047	17	15	4D0	" "
P	1057	1076	14048	19	17	4D0	(4L0, 4A0)
P	1076	1105	14049	29	29	4C5	±7±9 ⟹ 4A13
P	1105	1128	14050	23	19	4A0	(5D4*)
P	1324	1331	14052	07	07	4E4	±*
P	1424	1440	14053	16	16	4G4	(5C*, 4A0)
P	1440	1455	14054	15	12	5C*	(4G4)(4L24)
P	1455	1472	14055	17	16	4G4	(4H2)

DDH FAGU162 (2 / 8) Cyprus Anvil Mining Corp. Page ____ of ____

Structural Log Date: ____ Logged By: ____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	266	277	ID					
	667	668	G				11 S_2	
	668	680	23					
		677	16			11 S_2		
	1143	1148	XQ					
	1148	1149	G					
		1165	tG					
	1422	1423	G			11 S_2		

DIAMOND DRILL RECORD

LOGGED BY ALEXNADER YOUNG-PO D.D.H. Nº 76-U-162 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE * 10,930.5 3N STARTED AUGUST 30, 1976

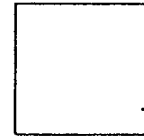
DEPARTURE *7,409.5 82W COMPLETED SEPTEMBER 1, 1976

ELEVATION *1.105 PROPOSED DEPTH

* - approximated ULTIMATE DEPTH 505' - 153.9m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	-65°
38.1m	227°	-66°
77.7m	213°	-71°
123.4m	192°	-76°

CLAIM Nº



DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 95.8%

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	10.1	CHLORITE PHYLLITE (C). Competent. Regular green and white	9.2		0	10.1	10.1								
		stripes. F_2 = 85-90°; F_1 = 0-5°. Short intervals showing													
		mineralization @ 4.6-5; 7.0-7.2; 9.1-9.3.													
		PY: 15% PbZn: 1%													
		6.0-6.2: Interval of mineralized graphitic phyllite (PG).													
		Contact sharp and clean = 90°. PY: 5%, PbZn: Tr.													
		10.1: Sharp clean contact with mineralized Graphitic Phyl-													
		lite (PG) = 85°.													
10.1	27.6	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. 5 1	1.8	4868	10.1	12.2	2.1	1.90	0.43	27.43			2.33	PbZn	
		Foliation = 80-90°; F_2 = 0-5°. Series of small F_1 10 2	2.9	4869	12.2	15.2	3.0	0.63	0.33	12.00			0.96	PbZn	
		noses. Sulfides mostly confined in F_1 folds. 10 2	3.0	4870	15.2	18.3	3.1	1.55	0.98	24.34			8.53	PbZn	
		NOTE: Drill penetrating perpendicular to F_1 and 7 2	3.0	4871	18.3	21.3	3.0	0.78	1.25	9.94			2.03	PbZn	
		parallel to F_2. 10 4	3.0	4872	21.3	24.4	3.1	1.20	2.05	16.11			3.25	PbZn	
		19.7-23.0: Quartz-sulfide interval. F_2 = 90°; 15 6	1.4	4873	24.4	25.9	1.5	0.60	1.55	10.97			2.15	PbZn	
		F_1 = 0°. Contacts sharp and clean = 90°. 40 7	1.7	4874	25.9	27.6	1.7	4.18	5.93	67.54			7.11	10.08	114.82

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		marked by Bleached Phyllite (Sb) - 3cm. long. Contact plane													
		= 75°.													
27.6	48.6	GRAPHITIC PHYLLITE (G). Very fissile, easily breaks into	6.5		27.6	34.6	7.0								
		poker chips. F_2 = 75-80°; F_1 = 5-10°.													
		34.6-35.5: Mineralized Bleached Phyllite with Barite 15 9	0.9	4875	34.6	35.5	0.9	4.48	8.93	85.72					
		in groundmass. Buff to white. Sulfide in disse	12.8		35.5	48.6	13.1								
		mination. Faint foliation (alignment of sulfide													
		xls) = 70°. Contact sharp = 70°.													
		35.5: Introduction of Calcite as thin laminae together with													
		wider bands of Graphite (GK).													
		35.5-48.6: Calcitic Graphitic Phyllite. Series of small													
		F_1 fold. F_2 = 85-90°; F_1 = 0-5°.													
		48.6: Sharp change to Sulfide with Barite groundmass (Mb).													
		Contact = marked by bleached sericite phyllite (Sb) =													
		plane = 75°.													
48.6	54.9	SULFIDES WITH BARITE GROUNDMASS (Mb). Competent. Composi-		W.Av.	49.2	54.9	5.7	6.80	12.79	132.9			38.77	72.92	757.56
		tional banding Py-Sph/Gal-Ba = 75-85°. 4 Nil	0.6		48.6	49.2	0.6								
		48.6-49.2: Bleached Sericite Phyllite. Competent. 20 10	1.1	4876	49.2	50.3	1.1	7.45	12.72	134.1			8.20	13.99	147.47
		Buff to silvery gray. Foliation = 80-85°. 20 18	1.5	4877	50.3	51.8	1.5	8.25	18.54	139.2			12.38	27.81	208.8

LOGGED BY _____ D.D.H. NO 76-U-162 PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		49.8-50.3: Intervals of sulfides and chlorite F_2 15 10	1.5	4879	53.3	54.9	1.6	7.45	11.31	186.5			11.92	18.10	298.43
		phyllite unit. Contact - sharp and clean = 70°. F_2 = 60-70°													
		F_1 = 0-10°, series of small ellipsoidal F_1 fold noses in the													
		Chlorite unit. Chlorite unit ranges from 2.5cm. to 10cm lg.													
		51.8-52.3: Calcitic Graphitic Phyllite (GK). Fissile.													
		F_2 = 75°; F_1 = 0°. Contact = 70°.													
		52.7-53: Intervals of sulfides - chlorite unit similar to													
		49.8-50.3 run. Chlorite unit averages 5cm long.													
		53.9-54.9: Bleached Phyllite unit. Competent. Foliation =													
		75°. Partly mineralized. Transition to Graphi-													
		tic phyllite (G). First contact = 75°; Second													
		= 80°.													
54.9	58.5	GRAPHITIC PHYLLITE (G). Competent. F_2 = 70-75°; F_1 = 0-5°.	3.0		54.9	58.5	3.6								
		Blebs of Po = 1%													
		58.5: Gradual change to Dark Sericite Phyllite (S).													
58.5	68.6	DARK SERICITE PHYLLITE (S). Competent. Foliation = 70-75°;	10.1		58.5	68.6	10.1								
		F_1 = 0-10°.													
		66.8: Shear.													
		68.6: Introduction of Calcite. Rx becoming Calcitic													
		Sericite Phyllite (SK)													

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
68.6	100.4	CALCITIC SERICITE PHYLLITE (SK). Competent. F_2 = 65-75°;	30.5		68.6	100.4	31.8								
		F_1 = 0-10°. Sporadic clots of Po.													
		82.3-83.8: Small trace of Chlorite as thin laminae.													
		Chlorite = 10%.													
		84.2-85.3: Graphitic interval. Calcite as thin laminae.													
		91.1-92: Mineralized Bleached Phyllite interval (P-Sb).													
		Competent. Buff. F_2 = 80-85°; F_1 = 0°. Contacts													
		sharp and clean = 75-80°. Py: 15%, PbZn 2%.													
		100.4: Abrupt change to Quartz-Sulfide. Contact broken													
		ground, plane apparently = 85° (based on reconstruc-													
		ted fragments).													
100.4	112.8	QUARTZ-SULFIDE (P). Competent. Groundmass very 25 4	1.7	4880	100.4	102.1	1.7	1.55	2.18	21.26			2.64	3.71	36.14
		siliceous. Short intercalated Bleached Sericite 25 6	1.0	4881	102.1	103.6	1.5	2.00	2.75	28.46			3.00	4.13	42.69
		Phyllite (2-3cm) @ 105.5-107.0. 30 4	1.6	4882	103.6	105.2	1.6	1.05	1.28	15.09			2.33	PbZn	
		Foliation = 80-85° F_2 ; F_1 = 0-5°. 25 7	1.4	4883	105.2	106.7	1.5	2.00	2.70	28.46			4.70	PbZn	
		Sporadic blebs of Po with Py clusters 20 8	1.5	4884	106.7	108.2	1.5	0.93	1.08	15.09			2.01	PbZn	
		110-111.3: Bleached Phyllite (Sb). Buff with green- 20 3	1.5	4885	108.2	109.7	1.5	0.13	0.13	5.14					
		ish hue. F_2 = 80°; F_1 = 0°. Contacts 25 3	1.5	4886	109.7	111.3	1.6	0.98	1.03	10.97					
		sharp = 85°. 20 5	1.5	4887	111.3	112.8	1.5	1.68	2.50	23.31					
		112.8: Abrupt change to Sericite Phyllite (S). Contact													
		marked by bull quartz (2.5cm) = 75°.		W.Av.	100.4	103.6	3.2	1.76	2.45	24.6			5.64	7.84	78.83
				W.Av.	103.6	108.2	4.6	3 PZ							

LOGGED BY _____ D.D.H. NO 76-D-162 PAGE 5

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
112.8	116.8	SERICITE PHYLLITE (S). Competent. F_2 = 70-80°; F_1 = 0-10°.	3.5		112.8	116.8	4-	Trace	PbZn	est.					
		Trace showing of Sulfides Py: 1%, PbZn 1%.													
		Trace calcite in groundmass.													
		113.4-114.3: Bleached Phyllite interval. Buff with greenish													
		hue. Foliation = 70-75°. Contacts gradual.													
		116.8: Rx becoming more Calcitic (SK).													
116.8	130.7	CALCITIC SERICITE PHYLLITE WITH TRACE GRAPHITE (SK+G).	13.5		116.8	130.7	13.9								
		Fissile, breaking easily into poker chips. F_2 = 70-80°;													
		F_1 = 0-10°. Calcite as thin F_2 laminae but usually wider													
		as F_1 folds.													
		130.7: Gradual change to Bleached Sericite Phyllite (Sb).													
130.7	132.4	BLEACHED SERICITE PHYLLITE (Sb). Buff to silvery white.	1.7		130.7	132.4	1.7								
		F_2 = 65°; F_1 = 0° (with fold noses).													
		132.4: Sharp contact with Massive Banded Sulfide (MB).													
		Contact part of fold nose = 15°.													
132.4	133.0	MASSIVE BANDED SULFIDE. Competent. Compositional 60 8	0.5		132.4	133.0	0.6								
		banding = 80°.													
		132.7-132.8: Chlorite Phyllite interval (CK). Calcitic													

LOGGED BY _____ D.D.H. NO 76-U-162 PAGE 6

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		133.0: Sharp contact with Bleached Phyllite (Sb) = 75°.													
133.0	134.2	BLEACHED PHYLLITE (Sb). Competent. Light gray with greenish hue and silvery white. Could possibly have interstacked chlorite with sericite. F_2 = 75-80°. 134.2: Gradual change to Dark Sericite Phyllite (S).	1.2		133.0	134.2	1.2								
134.2	141.0	DARK SERICITE PHYLLITE (S). Competent. F_2 = 75-80°; F_1 not well developed. 38.8-38.9: Chlorite unit (C). Clean sharp contact = 80°. 141.0: Gradual change to Bleached Phyllite (Sb).	6.7		134.2	141.0	6.8								
141.0	142.1	BLEACHED PHYLLITE (Sb). Soft core. Buff with greenish hue. F_2 = 80°; F_1 note developed. 142.0: Shear. 142.1: Sharp clean contact with Massive Banded Sulfide (MB) = 75°.	1.1		141.0	142.1	1.1								
142.1	142.9	MASSIVE BANDED SULFIDE (Mb). Competent. Compositional 30 6 band = 75° (Py-Sph-Barite). 15 2 142.9: Sharp change to Mineralized Graphitic Phyllite 60 9 (PG) = 70°.	1.4	4888	142.1	143.6	1.5	2.48	4.85	44.23					
			1.5	4889	143.6	145.1	1.5	1.00	2.35	16.11					
			1.5	4890	145.1	146.6	1.5	5.00	7.06	75.77					
				W.Av.	142.1	146.6	4.5	2.83	4.75	45.4					

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
142.9	144.2	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. F_2 = 70°; F_1 = 0-5°. Sulfides in both foliation. 144.2: Change to Bleached Chloritic Phyllite.													
144.2	145.2	BLEACHED CHLORITIC PHYLLITE (Sbc). Competent. White with green stripes. F_2 = 75°; F_1 = 0-5°. Series of small fold noses. 145.2: Sharp contact with Massive Sulfides with barite in groundmass (Mb).													
145.2	146.6	MASSIVE SULFIDE WITH BARITE GROUNDMASS (Mb). Competent. Py-Sph/Gal-Barite banding = 75-80°. Short porous sulfide variety (= 10cm.). 146.6: Sharp contact with Chlorite Phyllite unit (C) = 35°.													
146.6	146.8	CHLORITE UNIT. Competent. White groundmass with chlorite spots/stripes. Foliation = 15°. 146.8: Sharp change to Sericite Phyllite (S). Contact broken ground.	0.2		146.6	146.8	0.2								
146.8	153.9	SERICITE PHYLLITE (S). Competent. Foliation = 35-40°; F_1 = 0-10°.	7.0		146.8	153.9	7.1								

LOGGED BY _____ D.D.H. NO 76-U-162 PAGE 8

Interval		DESCRIPTION	Recovery	Sample	Interval		Sample	Assay					Assay %		
From	To			NO	From	To	Length	Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
	153.9	END OF HOLE.													

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

D.D.H. Nº 76-U-162A PAGE 1

PROPERTY GRUM JOINT VENTURE

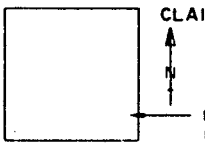
LATITUDE 82W STARTED AUGUST 28, 1976

DEPARTURE 3N COMPLETED AUGUST 29, 1976

ELEVATION PROPOSED DEPTH

ULTIMATE DEPTH 47.2m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	-70°



DIRECTION AND DISTANCE FROM N.E. CLAIM POST

CLAIM Nº

TOTAL CORE RECOVERY: 86%

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		NOTE: This hole was abandoned when the collar run collapsed.													
		A new set-up, U-162, was then drilled 3' SE off the													
		section line.													
		This hole was logged for record purposes only. For													
		assay and sampling results, please refer to 76-U-162.													
0	3.0	MINERALIZED GRAPHITIC PHYLLITE (PG). Broken, pebbly core.	0.20		0	3.0	3.0								
		Foliation in longer blocky core (2.5cm long) = 75-80°.													
		Py: 20, PbZn: 1%													
		3.0: Abrupt change to Chloritic Bleached Phyllite (Sb).													
		Contact broken ground.													
3.0	18.0	CHLORITIC BLEACHED PHYLLITE (Sbc). Blocky core. Foliation	13.3		3.0	18.0	15.0								
		= 85-90° marked by green stripes. F = 0-5°.													
		3.0-3.2: Prominent fuchsite.													
		10.7-11: Mineralized Graphitic Phyllite interval (PG).													
		Clean abrupt contact = 20° Py: 10 PbZn: 1%													

LOGGED BY _____ D.D.H. NO 76-U-162A PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		13.7-15.2: Mineralized Graphitic Phyllite (PG). Series of small F_2 fold noses. F = 85-90°; Contacts = 85° Py: 10%, PbZn: 1%.													
		18.0: Abrupt clean contact with mineralized graphitic phyllite = 85°.													
18.0	27.0	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. F_2 = 85-90° F = 0-5°. Sulfides in both foliation. Series of small F_1 fold noses. Intervals of Massive Sulfides.	7.9		18.0	27.0	9.0								
		18.0-26.1: Py: 10 PbZn: 2%													
		26.1-27.0: Py: 50 PbZn: 3%													
		27.0: Abrupt change to Graphitic Phyllite (G) = 75°.													
27.0	47.2	GRAPHITIC PHYLLITE (G). Fissile, breaking easily into poker chips. F_2 = 75-80°; F_1 = 0°. Short intervals of Massive Sulfides and Bleached Phyllite @ 33.9-35.2. Py: 60 PbZn: 8%. Contacts between Graphitic Phyllite, Massive Sulfide, Bleached Phyllite are clean and sharp = 75-80°.	19.2		27.0	47.2	20.2								
		38.1: Introduction of calcite in laminae													
		38.1-47.2: Calcitic-Graphitic Phyllite interval. Foliation F_2 = 90° - very regular alternation of calcite and Graphite. F = 0-5° marked by calcite.													

LOGGED BY _____ D.D.H. NO 76-U-162A PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		Series of small F_1 fold noses.													
		NOTE: Drill perpendicular to F_2 and parallel to F_1.													
	47.2	HOLE lost when driller pulled the rods for change of bit and the collar collapsed. Casing not very well done.													

DDH: FAGU162 -- 132 DEGREE PROFILE

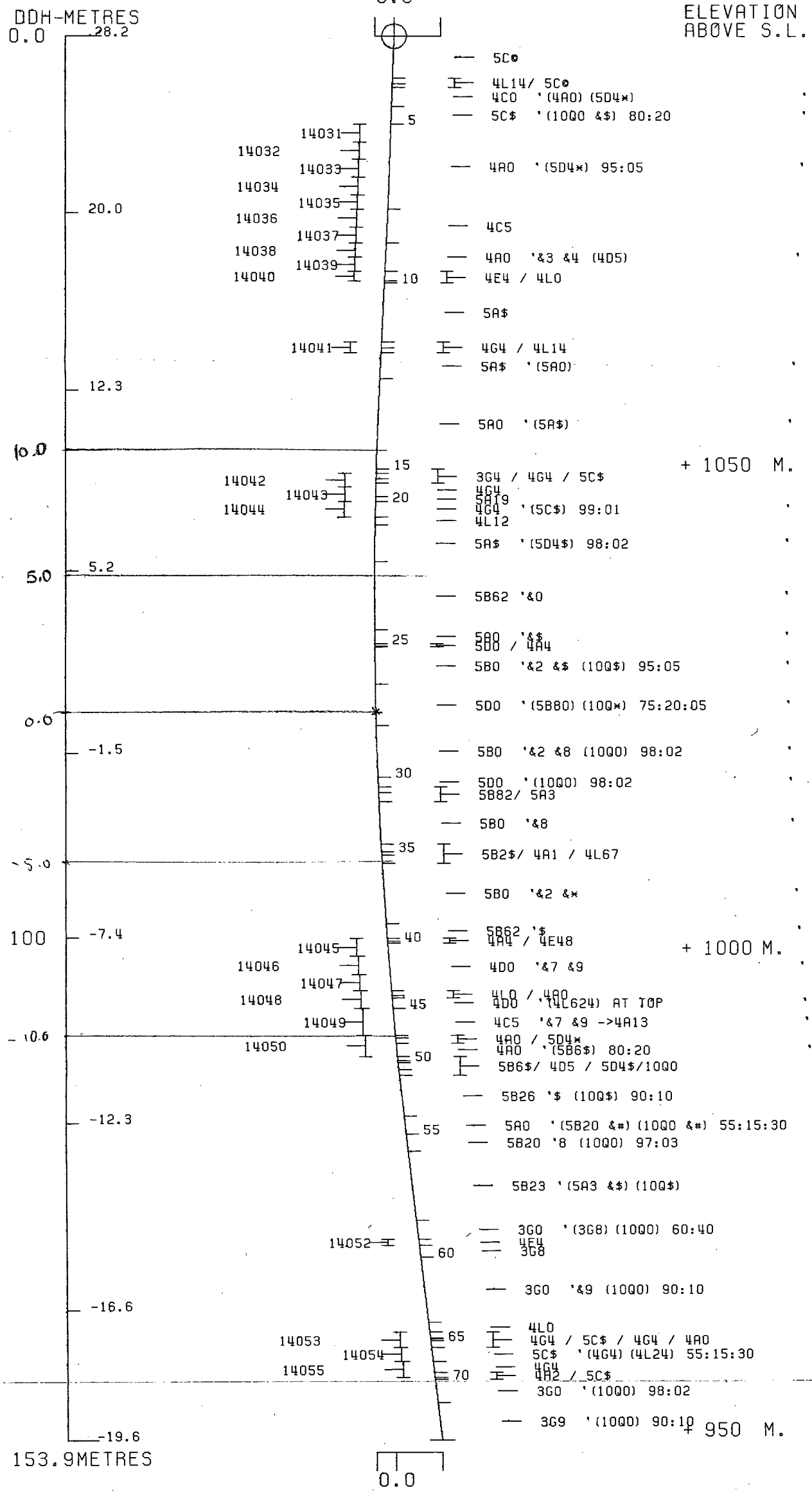
(VIEW AZIMUTH = 42 DEGREES)

ELEV:1094 592099E ; 905132N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 212.0 Z = 1094.4

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 27 MAR 1985 2:12 PM

DDH: FAGU162 -- 132 DEGREE PROFILE

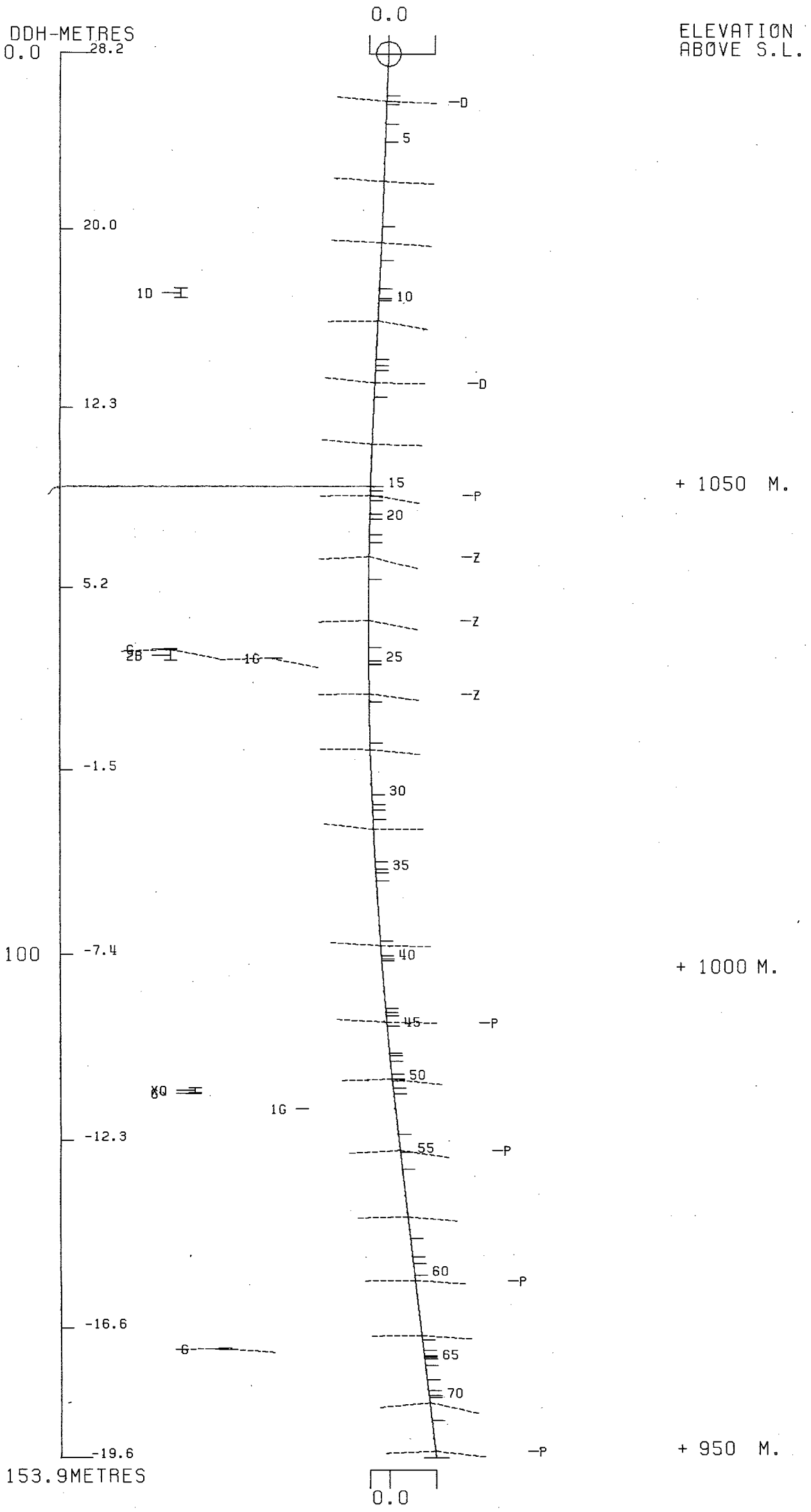
(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1094 592099E ; 905132N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 212.0 Z = 1094.4

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 27 MAR 1985 2:11 PM

FAGU163

DDH	SAMPLE	----DEPTHS--- FROM	TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
FAGU163	7646	.0	2.1	2.1	10	4C8	3.69	.20	.14	1.55	15.0	1.10	1.99	25.80		1.69	27.79	.92
	7647	2.1	4.1	2.0	65	4C8	3.46	.23	.20	1.31	12.0	.55	3.06	20.30		1.51	23.36	.87
	7648	4.1	6.1	2.0	100	4C8	3.39	.25	.33	.92	17.0	.75	2.65	19.00		1.25	21.65	.74
	7649	6.1	8.0	1.9	100	4C8	3.48	.24	1.54	2.50	39.0	1.10	2.00	19.20		4.04	21.20	.62
	765C	19.4	21.0	1.6	94	4H8	3.66	.09	3.50	2.80	53.0	.21	15.60	10.00		6.30	25.60	.44
	7651	60.4	61.8	1.4	93	4G4	4.64	.17	5.40	9.10	102.0	1.71	1.01	15.60		14.50	16.61	.63
	7652	61.8	63.4	1.6	100	4G4	4.4C	.16	3.90	7.70	71.0	1.65	1.12	17.90		11.60	19.02	.66
	7653	89.6	91.0	1.4	43	4C3	3.53	.27	1.09	.60	27.0	.89	2.73	19.80		1.69	22.53	.36
	7654	91.0	93.3	2.3	57	4D38	3.9C	.13	3.20	2.50	46.0	.75	7.40	20.00		5.70	27.40	.44
	7655	93.3	95.0	1.7	94	4C37	3.81	.29	1.60	1.56	28.0	.48	17.28	14.50		3.16	31.78	.49

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT % CPY	GA	SP	PO	PY	BAR	OTHER	*	NORMATIVE MINERALS - VOLUME % CPY	GA	SP	PO	PY	BAR	OTHER
FAGU163	7646	4C8	.58	.16	2.31	3.13	55.48		38.34	*	.52	.08	2.18	2.57	41.95		52.70
	7647	4C8	.66	.23	1.95	4.81	43.66		48.68	*	.56	.11	1.73	3.72	31.01		62.87
	7648	4C8	.72	.38	1.37	4.17	40.86		52.50	*	.60	.18	1.19	3.15	28.44		66.44
	7649	4C8	.69	1.78	3.73	3.15	41.29		49.37	*	.59	.84	3.30	2.42	29.26		63.60
	7650	4HB	.26	4.04	4.17	24.53	21.51		45.48	*	.22	1.94	3.75	19.17	15.46		59.46
	7651	4G4	.49	6.24	13.57	1.59	33.55		44.57	*	.42	3.01	12.29	1.25	24.31		58.72
	7652	4G4	.46	4.50	11.48	1.76	38.49		43.30	*	.40	2.19	10.47	1.40	28.09		57.45
	7653	4C3	.78	1.26	.89	4.29	42.58		50.19	*	.66	.59	.79	3.30	30.11		64.54
	7654	4D38	.38	3.70	3.73	11.64	43.01		37.55	*	.34	1.87	3.54	9.62	32.70		51.92
	7655	4C37	.84	1.85	2.33	27.18	31.18		36.63	*	.75	.93	2.19	22.30	23.54		50.28

DRILL HOLE : FAGU163

NORTHING : 904,740.0

EASTING : 592,481.2

ELEVATION : 1,174.9

TOTAL DEPTH : 112.0

SECTION : W 64

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: 10

NOS DOWN-H-SURVEYS: 2

NOS DOWN-H-LITHOLOGY: 29

NOS DOWN-H-STRUCTURE: 41

NOS DOWN-H-FAULTS: 29

NOS DOWN-H-SPLINES: 2

NOS COMPOSITES: 0

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,421.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	2.1	07646	2.1	.2	4C8	3.69	.20	.14	1.55	15.00		1.30	1	25	27						
2.1	4.1	07647	2.0	1.3	4C8	3.46	.23	.20	1.31	12.00		.55	3	20	23						
4.1	6.1	07648	2.0	2.0	4C8	3.39	.25	.33	.92	17.00		.75	2	19	21						
6.1	8.0	07649	1.9	1.9	4C8	3.48	.24	1.54	2.50	39.00		1.10	2	19	21						
19.4	21.0	07650	1.6	1.5	4H@	3.66	.09	3.50	2.80	53.00		.21	15	10	25						
60.4	61.8	07651	1.4	1.3	4G4	4.64	.17	5.40	9.10	102.00		1.71	1	15	16						
61.8	63.4	07652	1.6	1.6	4G4	4.40	.16	3.90	7.70	71.00		1.65	1	17	19						
89.6	91.0	07653	1.4	.6	4C3	3.53	.27	1.09	.60	27.00		.89	2	19	22						
91.0	93.3	07654	2.3	1.3	4D38	3.90	.13	3.20	2.50	46.00	43.00	.75	7	20	27						
93.3	95.0	07655	1.7	1.6	4C37	3.81	.29	1.60	1.56	28.00		.48	17	14	31						
WEIGHTED AVERAGE																					
.0	8.0		8.0	5.4		3.50	.22	.53	1.55	20.45		.92	2	21	23						
19.4	21.0		1.6	1.5		3.66	.09	3.50	2.80	53.00		.21	15	10	25						
60.4	63.4		3.0	2.9		4.51	.16	4.60	8.35	85.46		1.67	1	16	17						
89.6	95.0		5.4	3.5		3.77	.21	2.14	1.71	35.40	18.31	.70	9	18	27						

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,481.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	91.000	224.100
61.000	90.000	229.000

CDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,481.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.1	0001	4C8	(4C0)	0.5-	1
9.7	0002	5B26	(4L2) 50:50	0.5-	1
12.5	0003	5A6		0.5-	1
18.0	0004	5B6		0.5-	1
19.4	0005	5B4	[4L0]	0.5-	1
21.0	0006	4H8	BXA (4K17) (4E7) AT E.O.I.	0.5-	1
21.8	0007	4LC	?	0.5-	1
23.6	0008	5B6		0.5-	1
24.6	0009	5B6	(10Q0) 50:50	0.5-	1
29.3	0010	5A3		0.5-	1
32.2	0011	5A83	(5A08)	0.5-	1
49.9	0012	5A3		0.5-	1
50.7	0013	5C3	(10QC)	0.5-	1
57.3	0014	5A3		0.5-	1
60.4	0015	5B6	(5A)	0.5-	1
63.4	0016	4G4		0.5-	1
63.9	0017	10C0		0.5-	1
65.5	0018	5A96		0.5-	1
72.8	0019	5A3	?	0.5-	1
74.4	0020	5BC	(5D4*)	0.5-	1
82.8	0021	5BC		0.5-	1
84.4	0022	5B62		0.5-	1
88.4	0023	5B20		0.5-	1
89.6	0024	5BC		0.5-	1
91.0	0025	4C3		0.5-	1
93.3	0026	4D38		0.5-	1
95.0	0027	4C37		0.5-	1
110.7	0028	5A3		0.5-	1
112.0	0029	5C4*		0.5-	1

DOWN-HOLE STRUCTURE (DHC20)

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,481.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU163	0.0	3.3	PS2	P	0	0	0	0	70	230	0	1	1	1
FAGU163	0.0	5.3	PS2	P	0	0	0	0	45	230	0	1	1	1
FAGU163	0.0	8.4	CS2	Z	0	0	0	0	20	230	0	1	1	1
FAGU163	0.0	9.5	PS2	P	0	0	0	0	30	230	0	1	1	1
FAGU163	0.0	12.1	PS2	P	0	0	0	0	25	230	0	1	1	1
FAGU163	0.0	12.5	PS2	P	0	0	0	0	40	230	0	1	1	1
FAGU163	0.0	14.0	CS2	S	0	0	0	0	65	230	0	1	1	1
FAGU163	0.0	15.3	CS2	S	0	0	0	0	25	230	0	1	0	0
FAGU163	0.0	16.8	CS2	S	0	0	0	0	50	230	0	1	1	1
FAGU163	0.0	19.2	PS2	P	0	0	0	0	25	230	0	1	1	1
FAGU163	0.0	22.4	CS2	S	0	0	0	0	65	230	0	1	0	0
FAGU163	0.0	22.9	PS2	P	0	0	0	0	70	230	0	1	1	1
FAGU163	0.0	24.7	CS2	S	0	0	0	0	25	230	0	1	1	1
FAGU163	0.0	25.3	CS2	Z	0	0	0	0	50	230	0	1	1	1
FAGU163	0.0	26.8	CS2		0	0	0	0	10	230	0	1	1	1
FAGU163	0.0	28.5	CS2		0	0	0	0	10	230	0	1	1	1
FAGU163	0.0	30.4	PS2	P	0	0	0	0	20	230	0	1	1	1
FAGU163	0.0	32.0	CS2	Z	0	0	0	0	45	230	0	1	1	1
FAGU163	0.0	36.0	CS2	Z	0	0	0	0	20	230	0	1	1	1
FAGU163	0.0	39.5	CS2		0	0	0	0	10	230	0	1	1	1
FAGU163	0.0	42.0	CS2		0	0	0	0	10	230	0	1	1	1
FAGU163	0.0	44.9	CS2		0	0	0	0	10	230	0	1	1	1
FAGU163	0.0	47.0	CS2	Z	0	0	0	0	60	230	0	1	1	1
FAGU163	0.0	49.5	CS2	S	0	0	0	0	25	230	0	1	1	1
FAGU163	0.0	50.8	CS2	S	0	0	0	0	40	230	0	1	1	1
FAGU163	0.0	56.2	CS2	Z	0	0	0	0	20	230	0	1	1	1
FAGU163	0.0	59.4	CS2	S	0	0	0	0	20	230	0	1	1	1
FAGU163	0.0	63.4	PS2	P	0	0	0	0	40	230	0	1	1	1
FAGU163	0.0	67.5	PS2	P	0	0	0	0	55	230	0	1	1	1
FAGU163	0.0	70.3	PS2	P	0	0	0	0	40	230	0	1	1	1
FAGU163	0.0	74.5	CS2	Z	0	0	0	0	70	230	0	1	1	1
FAGU163	0.0	76.5	PS2	P	0	0	0	0	20	230	0	1	1	1
FAGU163	0.0	78.5	PS2	P	0	0	0	0	45	230	0	1	1	1
FAGU163	0.0	80.8	CS2	Z	0	0	0	0	40	230	0	1	1	1
FAGU163	0.0	85.0	CS2	Z	0	0	0	0	25	230	0	1	1	1
FAGU163	0.0	87.1	CS2	Z	0	0	0	0	35	230	0	1	1	1
FAGU163	0.0	93.2	PS2	P	0	0	0	0	30	230	0	1	1	1
FAGU163	0.0	98.0	CS2	S	0	0	0	0	30	230	0	1	1	1
FAGU163	0.0	104.8	CS2	Z	0	0	0	0	45	230	0	1	1	1
FAGU163	0.0	105.6	CS2	S	0	0	0	0	20	230	0	1	1	1
FAGU163	0.0	111.8	PS2	P	0	0	0	0	40	230	0	1	1	1

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,461.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64
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
FAGU163	0.1	3.0	P	2		0	0	C	C	0	0	1
FAGU163	0.3	7.2	XQ			C	0	99	999	0	0	1
FAGU163	9.1	9.7	B1G			C	0	C	C	0	0	1
FAGU163	9.7	12.5	XQ			C	0	C	C	0	0	1
FAGU163	0.0	12.5	G			C	0	C	C	0	0	1
FAGU163	0.0	18.0	G			C	0	C	C	0	0	1
FAGU163	0.0	19.9	SQ			C	0	C	C	0	0	1
FAGU163	19.4	21.0	D			C	0	C	C	0	0	1
FAGU163	0.0	21.2	G			0	0	C	C	0	0	1
FAGU163	0.0	21.4	G			C	0	C	C	0	0	1
FAGU163	0.0	21.8	G			C	0	C	C	0	0	1
FAGU163	0.0	23.6	G			0	0	C	C	0	0	1
FAGU163	24.6	35.4	Q1X			C	0	C	C	0	0	1
FAGU163	37.4	38.0	Q1X			0	0	C	C	0	0	1
FAGU163	0.0	60.4	S			C	0	C	C	0	0	1
FAGU163	0.0	62.5	F??			C	0	C	C	0	0	1
FAGU163	63.4	63.9	XQ			0	0	C	C	0	0	1
FAGU163	63.9	65.5	RP			C	0	C	C	0	0	1
FAGU163	71.6	72.8	N			0	0	C	C	0	0	1
FAGU163	65.5	74.4	G			C	0	C	C	0	0	1
FAGU163	0.0	77.1	1G			0	0	C	C	0	0	1
FAGU163	0.0	77.9	G			C	0	C	C	0	0	1
FAGU163	89.6	91.0	X1G			C	0	C	C	0	0	1
FAGU163	89.9	91.4	P	5		0	0	C	C	0	0	1
FAGU163	94.5	96.0	P	1		0	0	C	C	0	0	1
FAGU163	96.0	99.0	P1G			0	0	C	C	0	0	1
FAGU163	102.0	102.6	GQ			0	0	C	C	0	0	1
FAGU163	104.9	105.2	GB			C	0	C	C	0	0	1
FAGU163	108.0	108.5	BP			0	0	C	C	0	0	1

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,481.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU163	1	2
FAGU163	2	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FA 84163

Project: Grum Relog

Location: Vangorda Plateau 64W

Claim: C.A

UTM ~~Terr.~~ Plane Co-ords.: 6904740.0 N

572481.2 E

Conversion of surveyed grid co-ords

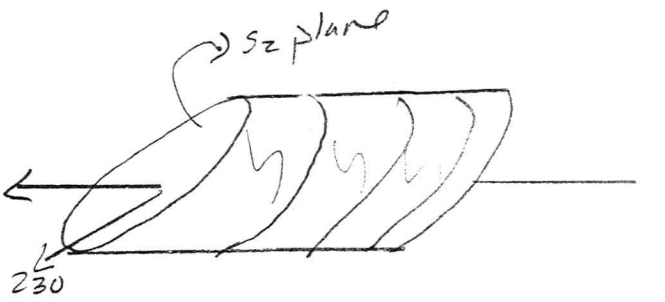
Grid Co-ords.: 64W

2N

Elevation: 1174.9

Total Depth: 112.1m

Fabric Orientation Diagram:



All ~~symmetry~~ determinations looking NW with S_z dipping SW with dip azimuth 230°.

Purpose:

Re

Logged by: RST + JGS Date(s) Logged: July 21, 1981

Drilling Contractor:

Core:	Size	From	To	Collar Cased and Capped:
	BQ	0	112.1m	

Started: 8/31/78 Completed: 9/1/78

Cyprus Anvil Mining Corp. Page 2 of

DDH FAG.U.1.63

Diamond Drill Core Log

Code	Drillhole	Elevation	Northing	Easting	Comments
1	2 8	10 16	17 24	25 32	34 48
T	FAGU163	1174.9	9047401.0	592481.2	METRES

224.1 for True North

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	FAGU163	0 0	91.0	212.16	ATCOLLAR
R	FAGU163	61.0	90.0	229.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10 47

DDH FA GU 163 (2 … 8)

Cyprus Anvil Mining Corp.

Lithologic Log

Date: 7/21/81 Logged By: RST + JSM + JGS

Code	From	To	Recov.	No.	Unit	Description	
1	10 – 14	16 – 20	22 – 24	26 – 28	30 – 34	35	F.W. CTC
L	00	81		1	4C8	(4C0) minor cpy along thin fractures	
						(4D4 @ f.w.)	
						6.3 - 7.2 vuggy crackle bxia	//C.A.
						Poor rec'vy (0.5/3.0) first 3 meters	
L	81	97		2	5B26	8.1-8.3 4LZ bxiated, gouged lower cte 45° to CA.	
						8.3-9.0 5B26	
						9.0-9.1 4LZ	
						9.1-9.7 5B26 fractured zone	silicified
						5B26 (4LZ) possible fault splay	
L	97	125		3	5A6	pyrite + ank healed fractures indicating continuing	
						influence of fault	
						(5B26) 1cm wide gouge 45° to CA @ f.w	gouged
L	125	180		4	5B6	minor ank fractures 12.9, 15.6, minor ank partings	fracture qtz+ank 40°
						//Sz, minor 10Q0 //Sz	
L	180	194		5	5B4	(this is JSM's 4L0 bleached phyllite)	
						10Q0 @ 18.5 //Sz w/ chloritic margins	sharp gouged not //Sz
L	194	210		6	4H*	matrix supported bxia w/ 4H matrix	
						4L frags: 4L zone shearing + 10Q0 center of interval (19.9)	
						base metals seem to be fracture flooded	
						(4K17)(4E7). *ankeritic spots consistently thruout	
						2 → @ f.w.	sharp sub// 30°
L	210	218		7	4L0	gouge @ 21.2, 21.4, 21.8	
L	218	236		8	5B6	(5B4 @ 22.9) (5B* dolomitic 21.8-22.1)	
						silicified (10Q0?) //Sz	gouged
L	236	241		9	5B6	(10Q0 sub// C.A.) 50:50 //Sz	
L	246	293		10	5A3	NB Ank Frac fill rel Fault? 24.6 - 35.4 ANK	2cm spac.
L	293	322		11	5A83	Frac zone // core axis 37.4 - 38.0 <5A0/8>	
L	322	499		12	5A3		
L	499	507		13	5D3	<0Q0> Upp. Cont. QV. L.C. slight transitional	
L	507	573		14	5A3		
L	573	604		15	5B6	<5A> narrow interbands. 2m 57.9 - 58.3 also ...	-60.4
L	604	634		16	4G4	Upp cont sheared slick-side <0.1m 5A + QV	62.5 fault
L	634	639		17	10Q0	61.5 0.1m Breccia qtz-ddl? non calc	
						0.4m Gouge 4E + VQ contact 0Q0	
L	639	655		18	5A96	3 cm core only little sulphide remnant.	

↑ GARBAGE!

DDH FAGW163 (2 — 8)

Cyprus Anvil Mining Corp.

Lithologic Log

Date: 21 July 81 Logged By: RSTG GS

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35 65.5 - 74.4
L	165 5	172 8		119	5TA13	NB FAULT GAUGE core. 71.6-72.8 CORE MISSING
L	172 8	174 4		120	5TB13	50° from 73.3 - 73.4 FAULT GAUGE
L	174 4	182 8		121	5TB13	NOT GAUGE 77.1 = .1m GAUGE
L	182 8	184 4		122	5TB1612	82.4 = ANK FR 77.9 = .2m GAUGE
L	184 4	188 4		123	5TB1213	85.4 - 86.3 ANK VEINS 1cm wide rep. 3-4 cm
L	188 4	189 6		124	5TB13	
L	189 6	191 0		125	4TC01	Breccia frags Δ 1cm-2cm qtz-S matrix - minor Gauge
L	191 0	193 3		126	4TD18	C. LOSS 89.9 - 91.4 = .7 CORE ONLY
L	193 3	195 0		127	4TL18	CHLRO. FRAC 94.4 LOW. CONT. CORE LOSS
L	195 0	1110 7		128	5TA13	C LOSS 94.5 - 96 NO CORE .2 m.
						96.3 QV. - 102
						102 - 102.6 GAUGE + QV.
						104.9 - 105.3 GAUGE + BR. CORE
						108.0 - 108.5 BROKEN CORE LOSS
L	1110 7	1112 0		129	5TC14*	FUCHSITE PERVASIVE
						END OF HOLE 112'
						NB unit 14 TG4 very fine grained banded in groundmass. Sphalerite is flesh coloured.

DDH FAGU.163 (2 / 8) Cyprus Anvil Mining Corp. Page 5 of 10

Structural Log Date: _____ Logged By: JAS & RST

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		4,49	F,L,T		25° 010			S_2 11 to ca.
S		4,70	C,S,Z	Z			610	
S		4,95	C,S,Z	S			25	
S		5,00	V,N		35 320			·2m vein q
S		5,08	C,S,Z	S			40	
S		5,62	C,S,Z	Z			20	
S		5,90	S,H,R		0 90			Shear qtz ank filled weak veins sub // S_2 cut This appear to be tension gashes 45/000°
S								
S		5,94	C,S,Z	S			20	
S		6,04						@ 64 cut. slicksided fault cut 30° to ca.
S		6,34	V,N,R		50 320			cut of vein @ 464
S		6,34					40	comp. banding in 464
S		6,39	V,N					Lower cut 10% c.a of qtz vein.
S		6,75	S,H,R					top of shear zone sub // S_2
S		6,75	P,S,Z				55	
S		7,03	P,S,Z				40	
S		7,45	C,S,Z	Z			70	
S		7,65	P,S,Z				20	
S		7,65	S,H,R		20 180			narrow shear ·01m
S		7,85	S,H,R				45	sub // S_2
S		7,85	P,S,Z				45	
S		8,08	C,S,Z	Z			40	
S		8,25	C,S,Z	Z			25	
S	8,55	8,61	V,N				40	zoned vein sub // S_2
S	5	8,71	C,S,Z	Z			35	
S		8,96						Contact is bx
S		9,32	R				30	
S		9,70	V,N				45	Qtz vein sub // S_2
S		9,80	C,S,Z	S			30	
S		10,20						Gouge poss. sub // S_2
S		10,48	C,S,Z	Z			45	Gouge zone is sub // S_2
S		10,56	C,S,Z	S			20	
S		11,18	P,S,Z				40	Slickside dr cut // S_2

who trivia to log.

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

DDH FAGU163 (2 … 8)

Cyprus Anvil Mining Corp.
Structural Log

Date: ______ Logged By: JGS PPT

Code (1)	From (10–14)	To (16–20)	Feature (22–24)	Sym (26)	S_0 Dip (28)	S_0 Direct. (32)	S_1 Dip (34)	S_1 Direct. (38)	S_2 Dip (40)	S_2 Direct. (44)	Description
S		33	R						70	230	4C
S		53	R						45		
S		65									Bx Zone // S2
S		84	FLT		55	30					
S		84	CS2	Z					20		Bx and fault zone post D2
											lower contact of fault
											measured
S		95	PS2						30		SA and OQO
S		95	FLT		0	90					
S		121	PS2						25°		S2 is warped in same
											core piece by post D2 folds.
S		125	PS2		30	340			40		
S		140	CS2	S					65		
S		168	CS2	S					50		
S		180	FRC		30	160					Qtz filled fracture
S		153	CS2	S					25		
S		192	PS2						25		
S											Shear 10° to c.a. // S2
S		212									" sub // S2
S		229	PS2						70		
S		229	TG		30	135					Tension gashes
S		224	CS2	S					65		
S		240	VN		0	00					Qtz vein
S		247	CS2	S	0	0			25		
S		253	CS2	Z					50		
S	260	290		H							S2 sub // to c.a. (10°)
S		304	PS2						20		SA
S		320	CS2	Z					45		
S		360	CS2	Z					20		
S		375	VN								S2 // core axis in 90°
											round core and // c.a.
S											
S		383							50		
S		383	VN								vein & gouge sub // S2
S	395	440	H								S2 10°-15° to c.a. folded

NB
FLT - fault
TG - Tension gash
VN - vein
SHR - shear

DDH FAGU163 Cyprus Anvil Mining Corp Page 7 of 10

ASSAY LOG (SAMPLER'S COPY) Date 21/July, 81 Logged by RST, SM, GS Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
-	10 14	16 20	22 26	28 30	32 34	36 40	42
P	0 0	2 1	76446	21	02	4C8	(4C0, 4D4)
P	2 1	4 1	76447	20	13	4C8	(4C0, 4D4)
P	4 1	6 1	76448	20	20	4C8	(4C0, 4D4)
P	6 1	8 0	76449	19	19	4C8	(4C0, 4D4)
P	194	210	76450	16	15	4H*	
P	604	618	76451	14	13	4E4	
P	618	634	76452	16	16	4E4	
P	896	910	76453	14	06	4C0	
P	910	933	76454	23	13	4D8	
P	933	950	76455	27	16	4L8	

910
896
14

C.A.M.C. 1981 - E - 5

DDH- [illegible]

GEOTECHNICAL LOG

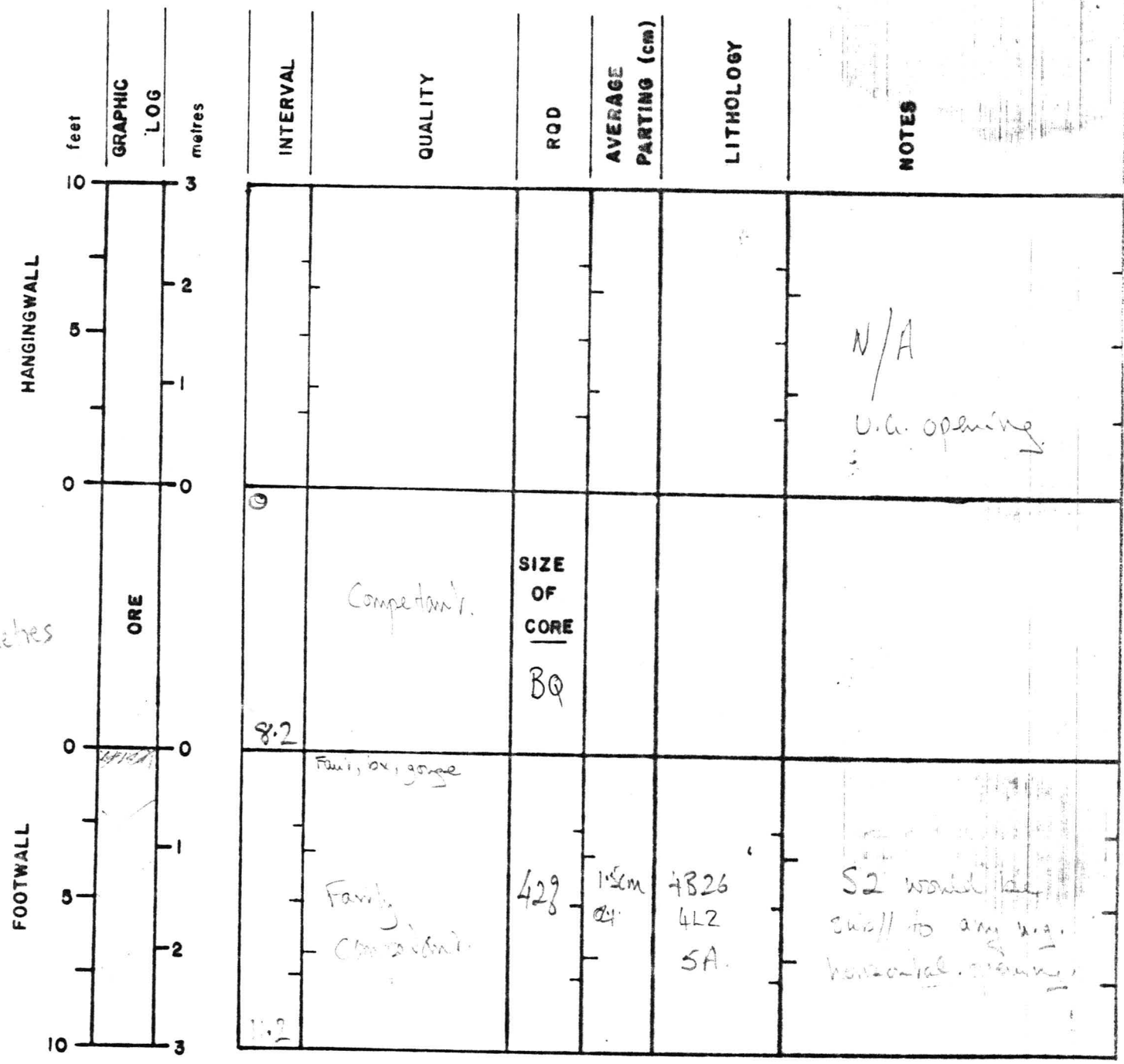
PAGE 9/10

Metres

feet	GRAPHIC LOG	metres	INTERVAL m.	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
HANGINGWALL 10 – 0	xxxxx	3 – 0	57.4	Fairly competent Gouged shear	50%	2.5	5Fb	fractures 1 / 3cm
0 – 0	ORE	0 – 0	60.4 – 63.4	"Competent"	SIZE OF CORE BQ		5a	
FOOTWALL 0 – 10	Qtz	0 – 3	66.4	Quartz vein Soft incompetent fractured rock	0	<1cm	5A	

DDH- FA1941/163

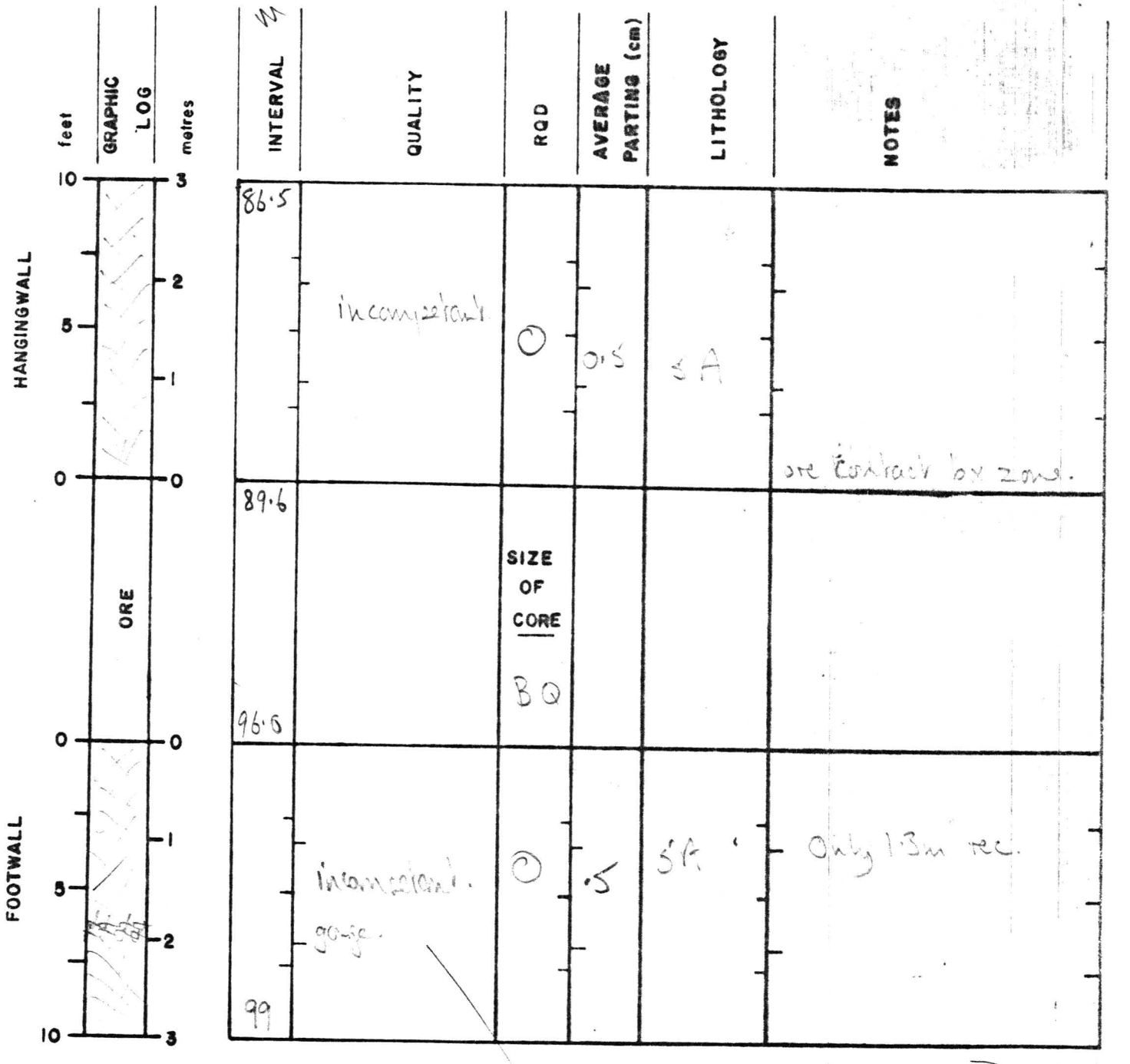
GEOTECHNICAL LOG



DDH- FIA-14-163

GEOTECHNICAL LOG

Metres



Why isn't this zone noted on either the Lith or Struct log?

DDH FAGU163 (2 / 8) Cyprus Anvil Mining Corp. Page ____ of ____

Structural Log Date: ____ Logged By: ____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	163	172	XQ			99 99		
F	00	30	P	2				
F	91	97	B I G					
F	97	125	X Q					
F		125	G					
F		199	S Q					
F	194	210	D					
F		180	G					
F		212	G					
F		214	G					
F		218	G					
F		236	G					
F	246	350	Q I X					11 CA
F	374	380	Q I X					11 CA
F		604	S					
F		625	F ? ?					
F	634	639	X Q					
F	639	655	R P					
F	655	744	G					
F	716	728	N					
F		771	I G					
F		779	G					
F	896	910	X I G					
F	899	914	P	5				
F	945	960	P	1				
F	1020	1026	G Q					
F	1049	1052	G B					
F	1080	1085	B P					
F	960	990	P I G					

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

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO D.D.H. Nº 76-U-163 PAGE 1

PROPERTY GRUM JOINT VENTURE

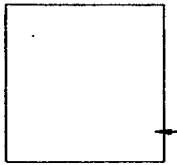
LATITUDE 64W STARTED AUGUST 31, 1978

DEPARTURE 2N COMPLETED SEPTEMBER 1, 1978

ELEVATION PROPOSED DEPTH 375' - 114.3m

ULTIMATE DEPTH 368' - 112.1m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	0°
61m	229°	0°



DIRECTION AND DISTANCE FROM N.E. CLAIM POST

CLAIM Nº

NOTE: Hole stopped after passing target sulfide band.

TOTAL CORE RECOVERY: 79.5%

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	8.0	QUARTZ-SULFIDE (P). Competent. Very siliceous ground 30 3	0.5	001B	0	3.0	3.0	0.10	1.68	6.17			1.78	PbZn	
		mass. Foliation = 80-85°, from 0-5m. Foliation 30 3	3.0	002B	3.0	6.1	3.1	0.33	1.13	13.03			1.46	PbZn	
		changes to 40-45° from 6-8m. 25 5	1.5	003B	6.1	8.0	1.9	2.15	3.75	35.31					
		8.0: Sharp contact with Sericite Phyllite. Contact wavy													
		= 10-15° marked by short bleached sericite (Sb) transi		W.Av.	0	6.1	6.1	1.62	PbZn						
		tional interval (=5cm.).													
8.0	25.9	SERICITE PHYLLITE (S). Competent. Foliation F_2 = 15°; F_1 =	16.3		8.0	25.9	17.9								
		45-50°. Drill appears to penetrate sub-parallel to F_2.													
		17.2-19.3: Bleached Sericite Phyllite (Sb). Silvery white													
		with minor chlorite flakes. Soft core. Folia-													
		tion = 15°.													
		19.3-20.0: Wide Po bands with quartz inclusions, trace PbZn													
		(=1%). First contact broken ground, second con-													
		tact = 75°.													
		21-21.7: Bleached Phyllite (Sb). Soft core. Buff to													
		silvery white. Foliation = 15-20°.													
		21.4: Shear. Contacts gradual.													

LOGGED BY _____ D.D.H. NO 76-U-163 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		25.9: Introduction of Calcite. Rx becoming Calcitic Sericite Phyllite (SK).													
25.9	38.1	CALCITIC SERICITE PHYLLITE (SK). Competent. Foliation = 10-15° (F_2); calcite as short discontinuous stringers perpendicular to F_2 (could be F_1). Series of long ellipsoidal fold nose closures.	12.0		25.9	38.1	12.2								
		38.1: Introduction of Graphitic constituents. Rx becoming Graphitic Sericite Phyllite (SG).													
38.1	57.0	GRAPHITIC SERICITE PHYLLITE (SG). Competent. Foliation = 0-10° (F_2); F_2 = 90°. Series of ellipsoidal F_1 noses. F_2 is apparently wavy plane. Small slips displacing the laminae 1-2cm. @ 60° plane.	17.8		38.1	57.0	18.9								
		57.0: Gradual change to Sericite Phyllite(S).													
57.0	60.5	SERICITE PHYLLITE (S). Competent. Gray colour. Trace calcite in groundmass. Foliation = 15° (F_2).	3.5		57.0	60.5	3.5								
		60.5: Sharp contact with Massive Sulfide (M). Contact is a slip plane with slickenside along dip direction = 30°.													

LOGGED BY _____ D.D.H. NO 76-U-163 PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
60.5	63.1	MASSIVE SULFIDE (M) WITH BARITE-IN-GROUNDMASS VARIETY 60 9	2.6	004B	60.5	63.1	2.6	4.75	8.64	77.83					
		(Mb). Competent. Faint compositional banding Py/Sph-Pb/Ba													
		=50°. Short runs of porous variety (MV) = 10cm. in the bar-													
		ite rich intervals.													
		61-62.5: Barite rich = 20%.													
		63.1: Abrupt change to Graphitic Phyllite. Contact marked													
		by 40cm long bull quartz interval. Plane = 70°.													
63.1	73.0	GRAPHITIC PHYLLITE (G). Broken, flakey to gougy core. Folia	4.2		63.1	73.0	9.9								
		tion = 30°. F_1 appears to be parallel to F_2.													
		64-65.5: Graphite flakes/sand trace of gougy materials;													
		could be FAULT. Low recovery: 0.2/1.5.													
		65.5-67.1: Gouge. FAULT. Black sticky gouge.													
		68.6-71.6: Intervals of solid and gougy core.													
		73.0: Change to Serictie Phyllite (S). Broken ground.													
		(Identification of Rx based on flakes and general dif-													
		ference in colour and streak.)													
73.0	86.9? 89.6	SERICITE PHYLLITE (S). Varying competency - from soft flakey	16.0		73.0	89.6	16.6								
		core to solid competent runs. Foliation = 15-20° (F_2).													
		F = 45°.													
		73-77.7: Soft flakey core.													

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		86.4-86.5: Small fault.													
		86.9: Abrupt change to Banded Massive Sulfide (MB) and Sulfide bx (MXsq). Contact broken ground.													
86.9?	96.0	BANDED MASSIVE SULFIDES (MB) WITH SHORT RUN OF SULFIDE 40 5	0.8	005B	86.9	90.1	3.2	2.50	1.90	33.26			1.50	1.14	19.96
		BX (MXsq). Broken, blocky core. Banding = 30-35°; 40 8	1.1	006B	90.1	93.1	3.0	3.95	2.40	39.43			11.85	7.20	118.29
		with narrow bands of bleached sericite. 40 4	2.5	007B	93.1	96.0	2.9	1.73	1.45	24.34					
		89.6-90: Sulfide Bx. Angular sulfide fragments Ø = 1mm-1.5 cm. cemented by quart and sulfides. Contacts broken ground.		W.Av.	89.5	93.1	3.6	3.71	2.32	38.4			13.35	8.34	138.25
		94-94.8: Wide bands of Po = 15°.													
		96.0: Abrupt change to Graphitic Phyllite (G). Contact broken ground.													
96.0	110.7	GRAPHITIC PHYLLITE (G). Broken, flakey core. Foliation F_2 = 15-20°; F_1 = 10-15° (oppisite direction F_2 or almost perpendicular) @ 96-106.7.	7.2		96.0	110.7	14.7								
		Foliation change to F_2 = 0°; F_1 = 90° @ 108.													
		109.7: Shear.													
		110.7: Abrupt change to Bleached Phyllite (Sb) = 40°.													

LOGGED BY _____ D.D.H. NO 76-U-163 PAGE 5

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
110.7	112.1	BLEACHED PHYLLITE (Sb). Broken core, sheared. Buff with	0.2		110.7	112.1	1.4								
		prominent fuchsite spots. Foliation = 50°.													
	112.1	END OF HOLE. Difficult ground. Used mud.													

DDH: FAGU163 -- 132 DEGREE PROFILE

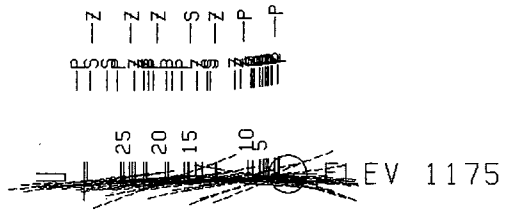
(VIEW AZIMUTH = 42 DEGREES)

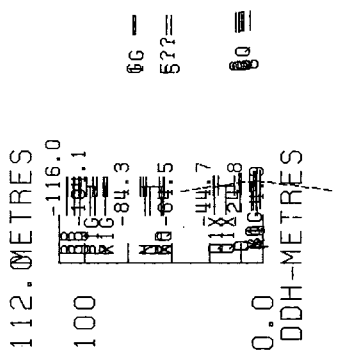
ELEV: 1175 592481E ; 904740N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 758.2 Z = 1174.9

SECTION NAME: 02N





CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 22 JAN 1985 1:07 PM

DDH: FAGU163 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

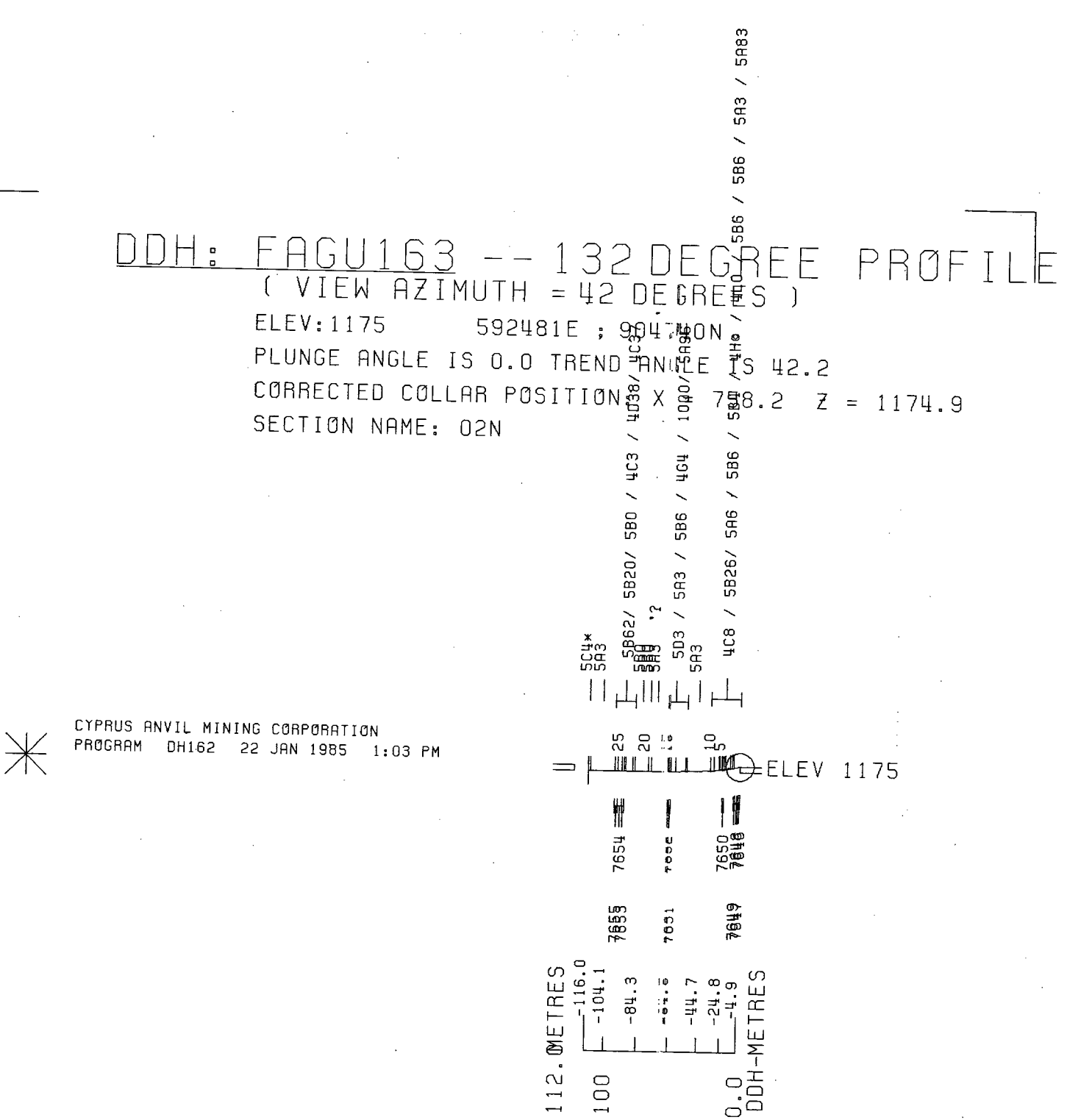
ELEV: 1175 592481E ; 9047[illegible]ON

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION X = 7[illegible]8.2 Z = 1174.9

SECTION NAME: 02N

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 22 JAN 1985 1:03 PM



FAGU165

DDH	SAMPLE	----DEPTHS--- FROM	TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
FAGU165	7358	.0	2.3	2.3	39	4A34	3.46	.24	3.30	4.90	47.0	1.99	1.72	18.00		8.20	19.72	.60
	7359	2.3	4.4	2.1	86	4A3	3.35	.21	1.48	2.05	24.0	.89	1.76	18.80		3.53	20.56	.58
	7360	4.4	6.1	1.7	100	4C0	3.46	.25	.13	.75	10.0	.69	2.19	22.40		.88	24.59	.85
	7361	6.1	7.6	1.5	93	4C0	3.41	.26	.08	.53	11.0	.55	2.37	21.40		.61	23.77	.87
	7362	7.6	9.5	1.9	95	4C0	3.57	.27	.91	1.40	30.0	1.03	2.15	24.50		2.31	26.65	.61
	7363	18.3	20.7	2.4	79	4E1		.27	.67	.82	27.0					1.49		.55
	7364	20.7	22.9	2.2	95	4E1		.35	.14	.65	31.0					.79		.82
	7365	22.9	25.3	2.4	92	4C3	3.56	.34	.12	1.17	14.0	.62	3.49	20.40		1.29	23.89	.91
	7366	25.3	27.4	2.1	95	4C5	3.62	.22	1.57	1.63	46.0	1.10	1.47	22.70		3.20	24.17	.51
	7367	27.4	30.1	2.7	81	4C3		.51	.12	.72	20.0					.84		.86
	7368	30.1	32.5	2.4	92	4C3		.22	.07	.42	12.0					.49		.86
	7369	32.5	33.1	.6	100	4C0	3.08	1.09	.03	.34	30.0	1.99	4.25	13.30		.37	17.55	.92
	7370	33.1	35.0	1.9	100	4C3	3.64	.51	.07	.53	17.0	.75	4.25	22.10		.60	26.35	.88
	7371	35.0	36.9	1.9	100	4E1	3.99	.43	1.25	2.02	37.0	1.30	4.53	30.80		3.27	35.33	.62
	7372	36.9	39.6	2.7	85	4E1	4.49	.31	1.46	2.60	36.0	1.58	2.32	37.70		4.06	40.02	.64
	7373	39.6	41.7	2.1	95	4E1	4.21	.32	1.00	1.09	31.0	1.78	2.19	36.00		2.09	38.19	.52

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT % CPY	GA	SP	PO	PY	BAR	OTHER	*	NORMATIVE MINERALS - VOLUME % CPY	GA	SP	PO	PY	BAR	OTHER
FAGU165	7358	4A34	.69	3.81	7.30	2.71	38.71		46.78	*	.59	1.83	6.56	2.11	27.81		61.10
	7359	4A3	.61	1.71	3.06	2.77	40.43		51.43	*	.51	.80	2.68	2.11	28.35		65.56
	7360	4C0	.72	.15	1.12	3.44	48.17		46.39	*	.62	.07	1.01	2.70	34.75		60.85
	7361	4C0	.75	.09	.79	3.73	46.02		48.62	*	.64	.04	.70	2.89	32.78		62.95
	7362	4C0	.78	1.05	2.09	3.38	52.69		40.01	*	.70	.53	1.96	2.76	39.51		54.56
	7363	4E1	.78	.77	1.22				97.22	*							
	7364	4E1	1.01	.16	.97				97.86	*							
	7365	4C3	.98	.14	1.74	5.49	43.87		47.78	*	.83	.07	1.56	4.26	31.30		61.98
	7366	4C5	.64	1.81	2.43	2.31	48.82		43.99	*	.56	.89	2.23	1.84	35.81		58.68
	7367	4C3	1.47	.14	1.07				97.31	*							
	7368	4C3	.64	.08	.63				98.66	*							
	7369	4C0	3.15	.03	.51	6.68	28.60		61.02	*	2.48	.02	.42	4.80	18.91		73.37
	7370	4C3	1.47	.08	.79	6.68	47.53		43.45	*	1.28	.04	.72	5.32	34.80		57.84
	7371	4E1	1.24	1.44	3.01	7.12	66.24		20.94	*	1.25	.81	3.18	6.55	56.01		32.20
	7372	4E1	.90	1.69	3.88	3.65	81.07		8.82	*	.99	1.04	4.48	3.67	74.99		14.83
	7373	4E1	.92	1.15	1.62	3.44	77.42		15.43	*	.97	.68	1.80	3.31	68.44		24.80

DRILL HOLE : FAGU165

NORTHING : 904,740.3

EASTING : 592,481.2

ELEVATION : 1,174.3

TOTAL DEPTH : 53.3

SECTION : W 64

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: 16

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 16

NOS DOWN-H-STRUCTURE: 9

NOS DOWN-H-FAULTS: 9

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU165 UTM-N: 904,740.3 UTM-E: 592,481.2 UTM-ELEV: 1,174.3 TOTAL DEPTH: 53.3 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

----DEPTHS--- FROM	TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	2.3	07358	2.3	.9	4A34	3.46	.24	3.30	4.90	47.00		1.99	1	18	19						
2.3	4.4	07359	2.1	1.8	4A3	3.35	.21	1.48	2.05	24.00		.89	1	18	20						
4.4	6.1	07360	1.7	1.7	4C0	3.46	.25	.13	.75	10.00		.69	2	22	24						
6.1	7.6	07361	1.5	1.4	4C0	3.41	.26	.08	.53	11.00		.55	2	21	23						
7.6	9.5	07362	1.9	1.8	4C0	3.57	.27	.91	1.40	30.00		1.03	2	24	26						
18.3	20.7	07363	2.4	1.9	4E1		.27	.67	.82	27.00											
20.7	22.9	07364	2.2	2.1	4E1		.35	.14	.65	31.00											
22.9	25.3	07365	2.4	2.2	4C3	3.56	.34	.12	1.17	14.00		.62	3	20	23						
25.3	27.4	07366	2.1	2.0	4C5	3.62	.22	1.57	1.63	46.00		1.10	1	22	24						
27.4	30.1	07367	2.7	2.2	4C3		.51	.12	.72	20.00											
30.1	32.5	07368	2.4	2.2	4C3		.22	.07	.42	12.00											
32.5	33.1	07369	.6	.6	4C0	3.08	1.09	.03	.34	30.00		1.99	4	13	17						
33.1	35.0	07370	1.9	1.9	4C3	3.64	.51	.07	.53	17.00		.75	4	22	26						
35.0	36.9	07371	1.9	1.9	4E1	3.99	.43	1.25	2.02	37.00	33.00	1.30	4	30	35						
36.9	39.6	07372	2.7	2.3	4E1	4.49	.31	1.46	2.60	36.00		1.58	2	37	40						
39.6	41.7	07373	2.1	2.0	4E1	4.21	.32	1.00	1.09	31.00		1.78	2	36	38						
WEIGHTED AVERAGE																					
.0	9.5		9.5	7.6		3.44	.24	1.34	2.13	26.21		1.09	2	20	22						
18.3	41.7		23.4	21.3		2.28	.36	.62	1.15	26.87	2.67	.72	1	16	18						

DDH: FAGU165 UTM-N: 904,740.3 UTM-E: 592,481.2 UTM-ELEV: 1,174.3 TOTAL DEPTH: 53.3 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	128.000	226.100

DDH: FAGU165 UTM-N: 904,740.3 UTM-E: 592,481.2 UTM-ELEV: 1,174.3 TOTAL DEPTH: 53.3 SECTION: W 64
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
4.4	0001	443	&4 (4E1 BXA) 95:05	0.5-	1
9.5	0002	400	& SER	0.5-	1
18.3	0003	5861	&0? -> 5864	0.5-	1
22.9	0004	4E1		0.5-	1
25.3	0005	403	&9 &8 & SER. [4CC]	0.5-	1
27.4	0006	405	[4C0 (4A0)]	0.5-	1
32.5	0007	403	-> 4E1 &9 &8 & SER. [4C0]	0.5-	1
33.1	0008	400	? BXA	0.5-	1
35.0	0009	403	&8 (4E0) 9C:1C [4C0]	0.5-	1
41.7	0010	4E1	(4C0) (4E# POROUS) MINOR	0.5-	1
45.6	0011	586	?	0.5-	1
46.5	0012	5861	&0?	0.5-	1
47.2	0013	586	?	0.5-	1
50.3	0014	5861	&0 ?	0.5-	1
51.2	0015	586	?	0.5-	1
53.3	0016	5861	&0? THIS AND ABOVE = $?	0.5-	1

DDH: FAGU165 UTM-N: 904,740.3 UTM-E: 592,481.2 UTM-ELEV: 1,174.3 TOTAL DEPTH: 53.3 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC 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
FAGU165	0.0	5.5	PS2	C	0	0	C	19	230	C	1	1	1
FAGU165	0.0	9.7	CS2	C	0	0	C	40	230	C	1	1	1
FAGU165	0.0	14.0	CS2	0	C	0	C	40	230	C	1	1	1
FAGU165	0.0	21.0	PS2	0	C	0	C	20	230	C	1	1	1
FAGU165	0.0	26.3	PS2	0	0	0	C	40	230	C	1	1	1
FAGU165	0.0	32.0	PS2	C	C	0	C	5	230	C	1	1	1
FAGU165	0.0	34.7	PS2	0	0	0	C	40	230	C	1	1	1
FAGU165	0.0	41.7	PS2	0	0	0	C	40	230	C	1	1	1
FAGU165	0.0	51.8	PS2	0	0	0	C	5	230	C	1	1	1

DDH: FAGU165 UTM-N: 904,740.3 UTM-E: 592,461.2 UTM-ELEV: 1,174.3 TOTAL DEPTH: 53.3 SECTION: W 64
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
FAGU165	0.1	2.5	R??		0	0	0	0	0	0	1
FAGU165	3.5	3.7	D		0	0	0	0	0	0	1
FAGU165	0.0	18.3	R		0	0	0	0	0	0	1
FAGU165	32.5	33.1	D?X		0	0	0	0	0	0	1
FAGU165	36.6	37.0	R		0	0	0	0	0	0	1
FAGU165	41.7	45.6	GR		0	0	0	0	0	0	1
FAGU165	46.5	47.2	GP		0	0	0	0	0	0	1
FAGU165	47.2	50.3	1G		0	0	0	0	0	0	1
FAGU165	50.3	51.2	GP		0	0	99	999	0	0	1

DDH: FAGU165 UTM-N: 904,740.3 UTM-E: 592,431.2 UTM-ELEV: 1,174.3 TOTAL DEPTH: 53.3 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU165	1	1

CYPRUS ANVIL MINING CORPORATION

Page 1 of 5

DIAMOND DRILL CORE LOG

Date: 7/20/81

Hole Number: FAGU165

Project: Grum Relog

Location: Vangorda Plateau

Claim:

UTM Terr.Plane Co-ords.: 6904740.3 N

592481.2 E

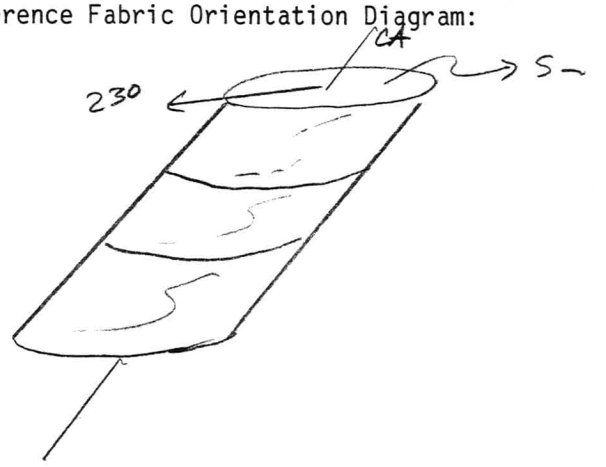
Grid Co-ords: 64W

2N

Elevation: 1174.3

Total Depth: 53.3m

Reference Fabric Orientation Diagram:



All symmetry determinations looking

NW with Sz dipping

SW with dip azimuth 230°.

Purpose:

Reason hole Terminated:

Logged by: J. Modene

Date(s) Logged: July 20, 1981

Drilling Contractor:

Size	CORE From	To
BQ	0	53.3

Collar Cased and Capped:

Hole Cemented:

Steel down hole:

Started: 8/31/76 Completed: 9/1/76

C.A.M.C. 1981 - E - 1

Cyprus Anvil Mining Corp.

Diamond Drill Core Log

DDH FAGU165

Code	Drillhole	Elevation	Northing	Easting	Comments
1	2 8	10 16	17 24	25 32	34 48
T	FAGU165	1174.3	9047403.	592481.2	METRES

226.1 for True North

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	FAGU165	0 0	128.6	222A.6	ATCOLLAR
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10 47

DDH F.A.G.U.L.6.5 (2 … 8) **Cyprus Anvil Mining Corp.** Page 3 of 5

Lithologic Log Date: ______ Logged By: J. Modene

Code	From	To	Recov.	No.	Unit	Description	FW CTC
1	10–14	16–20	22–24	26–28	30–34	35	
L	00	44		1	4A3	±4 (4E1 bxia 3.5-3.7)	
						core rubbled to 2.5 though described by KA as	
						competent so maybe a splitting artifact	grad
L	44	95		2	4C0	± sericite lower ctc from KA logs	40° to CA
	95	183		3	5B61	crenulated w/ abundant white bands + microlithons	
						so it looks like 5B0 but white is mostly siliceous	
						Locally bleached → 4L0 9.5-9.8, 10.5-10.9	rubbled
L	183	229		4	4E1	∠1% Pb Zn	grad
L	229	253		5	4C0	±9 ±8, only locally sericitic 1-2% PbZn	grad
L	253	274		6	4C5	[4C0(4A)] v. minor graphite stringers every 10cm	
						or so. Slightly more PbZn visible 2-3%	grad
L	274	325		7	4C0	locally 4E1, locally sericitic ±9 ±8	10° to C.A
L	325	331		8	4C0	? Bxia? of siliceous frags + coarsely xline py	
						in stp ctc w/ 4C0	broken
L	331	350		9	4C0	(4E0 intbd ~20cm @ 34.4)	
						minor mgt ±8 esp @ f.w., minor cpy ±9	lost
L	350	417		10	4E1	(4C0 @ 35.8) (4E* porous cc @ 37.2, 38.9	
						Rubble 36.6-37.0 possibly just the start of the run	// Sz
L	417	456		11	5B6?	gouge // Sz (gouge + chipped core) } same lithology	silicific
L	456	465		12	5B61	as #3 stp foliation } Breaks to	
L	465	472	0.3	13	5B6?	gouge + poor rec'vy } show faults	
L	472	503		14	5B61	w/ minor gouge	
L	503	512	0.4	15	5B6?	gouge + poor rec'vy // Sz	
L	512	533		16	5B61		
						EOH @ 53.3	

DDH FAGU165 (2 / 8) Cyprus Anvil Mining Corp. Page 4 of 5

Structural Log Date: _____ Logged By: J. Modene

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		55	PSZ				19/2310	sfds
S		97	CSZ				40/2310	phyllite
S		140	CSZ				40/2330	
S		410	PSZ				20/2330	bandings in sfds
S		2163	PSZ				40/2310	in 4A
S		320	PSZ				05/2310	banding in sfds
S		347	PSZ				40/2310	" "
S		417	PSZ				40/2310	atc //Sz
S		518	PSZ				05/2310	not all the Sz's through these gouge zones are as steep as this

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

DDH FAGU165 (2 … 8) Cyprus Anvil Mining Corp

Page 5 of 5

Logged by JModene

ASSAY LOG (SAMPLER'S COPY) Date 7/20/81 Sampled by

	CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION	
	1	10 14	16 20	22 26	28 30	32 34	36 40	42	
#1	P	100	123	73558	23	09	4A31	±4	#1
	P	123	144	73559	21	18	4A31	±4	#1
	P	144	161	73610	17	18	4C101	± sericite	#2
	P	161	176	73611	15	14	4C101	± sericite	#2
	P	176	195	73612	19	18	4C10	± sericite	#2
#2	P	183	207	73613	16	19	4E11		#4
	P	207	229	73614	22	21	4E11		#4
	P	229	253	73615	24	22	4C101	±9 ±8	#5
	P	253	274	73616	21	20	4C15		#6
	P	274	301	73617	27	22	4C101	±9 ±8 locally sericitic (4E1)	#7
	P	301	325	73618	24	22	4C10	"	#7
	P	325	331	73619	06	07	4C10	boria	#8
	P	331	350	73710	19	19	4C0	±8 ±9 (4E1)	#9
	P	350	369	73711	19	20	4E11	(4C0)(4E* cc porous)	#10
	D	369	396	73712	27	23	4E11		#10
	P	396	417	73713	21	20	4E11		#10

DDH EAGU165 (2 / 8)

Cyprus Anvil Mining Corp.

Structural Log

Page _____ of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	35	37	D					
F	01	25	R???					
F		183	R					
F	325	331	D?X					
F	366	370	R					
F	417	456	GR					
F	465	472	GP					
F	472	503	IG					
F	503	512	GP			99 9999		

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

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO D.D.H. Nº 76-U-165 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE 2N STARTED AUGUST 31, 1976

DEPARTURE 64W COMPLETED SEPTEMBER 1, 1976

ELEVATION PROPOSED DEPTH 175' - 53.3m

ULTIMATE DEPTH 175' - 53.3m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	-41°

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 88%

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	9.5	QUARTZ-SULFIDE (P). Competent. Foliation = 0-15°. 40 7	1.8	008B	0	3.0	3.0	2.85	3.59	31.20					
		Sulfides confined in this foliation - probably F (?) 35 6	2.9	009B	3.0	6.1	3.0	0.75	1.15	9.94			1.90	PbZn	
		2.0: Ellipsoidal fold nose closure with Graphitic 35 4	1.4	010B	6.1	7.6	1.5	0.10	0.70	7.20			0.80	PbZn	
		Phyllite core. 30 3	1.5	011B	7.6	9.5	1.9	0.85	1.55	25.37					
		3.5-3.7: Sulfide Bx (MXq-s). Sub-rounded, 1m-1cm sulfides													
		cemented by quartz and fine grained sulfides.		W.Av.	3.0	7.6	4.6	1.53	PbZn						
		9.5: Sharp clean contact with Bleached Phyllite (Sb) = 40°.													
9.5	11.0	BLEACHED SERICITE PHYLLITE (Sb). Soft, fissile. Buff with	1.2		9.5	11.0	1.5								
		silvery white interval. Foliation = 30-35°.													
		11.0: Gradual change to Dark Sericite Phyllite (S).													
11.0	18.2	DARK SERICITE PHYLLITE. Fissile, easily breaks into flakes.													
		Foliation = 0-15°; F = 75°.	6.8		11.0	18.2	7.2								
		18.3: Shear. Contact with Massive Sulfide.													
18.2	41.6	MASSIVE SULFIDE (M). Blocky core from gravel size to 4cm.													

LOGGED BY _____ D.D.H. NO 76-U-165 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		long. Very pyritic. Py in clustered aggregates and/or													
		closely spaced Py crystals. Groundmass partly made up of													
		amorphous silica. Po and Mgtt blebs widely distribu- 70 5	2.8	012B	18.2	21.3	3.1	0.73	0.78	23.31			1.51	PbZn	
		ted @ 22.9-24.4 60 3	2.7	013B	21.3	24.4	3.1	0.13	1.13	12.00			1.26	PbZn	
		25.9-27.4: Interval with narrow quartz-graphite 60 4	3.0	014B	24.4	27.4	3.0	1.15	1.30	25.37			2.45	PbZn	
		band (1cm. wide). Banding = 55-60°. 60 3	2.5	015B	27.4	30.5	3.1	0.08	0.70	13.03			0.78	PbZn	
		Barite prisms in cavity walls @ 18.4-26. 60 3	2.8	016B	30.5	33.5	3.0	0.03	0.48	10.97			0.51	PbZn	
		38.1-39.0: Porous variety. Voids = 25°. 50 5	2.8	017B	33.5	36.6	3.1	0.25	0.75	10.97			1.00	PbZn	
		41.6: Sharp clean contact with Graphitic Phyllite (G) 70 6	1.3	018B	36.6	38.1	1.5	2.23	2.95	38.40			3.35	4.43	48.35
		= 40°. 70 4	1.2	019B	38.1	39.6	1.5	1.83	2.23	32.23			2.75	3.35	48.35
41.6	53.3	GRAPHITIC PHYLLITE. Fissile, flakey to soft core. 75 4	2.0	020B	39.6	41.6	2.0	1.10	0.98	24.34					
		Foliation = 15-20°; series of ellipsoidal fold noses f (?)	10.3		41.6	53.3	11.7								
		1													
		45.7: FAULT. 10cm. of dark sticky gouge.		W.Av.	18.2	36.6	18.4	1.25	PbZn						
		47.0-47.3: Shear. Slip plane = 20°.		W.Av.	36.6	39.6	3.0	2.03	2.59	35.32			6.10	7.78	105.95
		50.3-50.5: Shear. Slip plane = 25°.													
	53.3	END OF HOLE.													

DDH: FAGU165 -- 132 DEGREE PROFILE

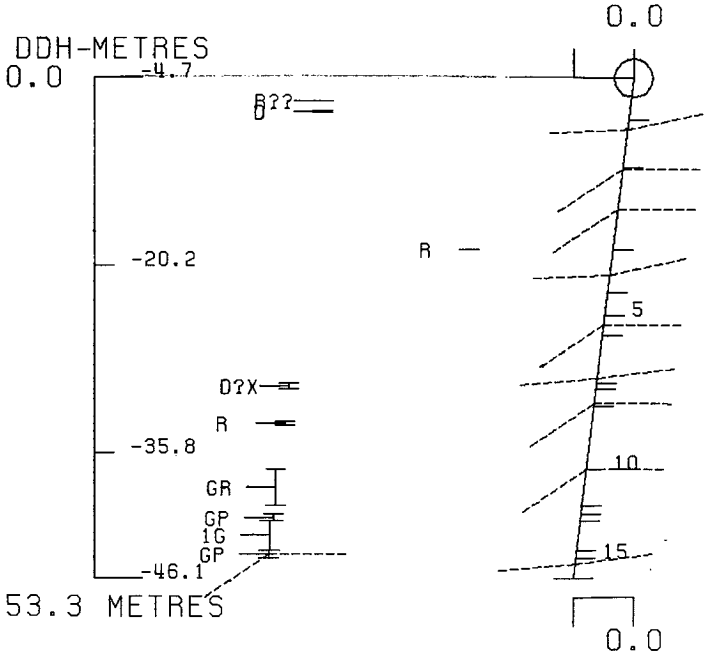
(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1174 592481E ; 904740N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 758.0 Z = 1174.3

SECTION NAME: 02N



ELEVATION ABOVE S.L.

+ 1150 M.

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 26 NOV 1984 12:33 PM

DDH: FAGU165 -- 132 DEGREE PROFILE

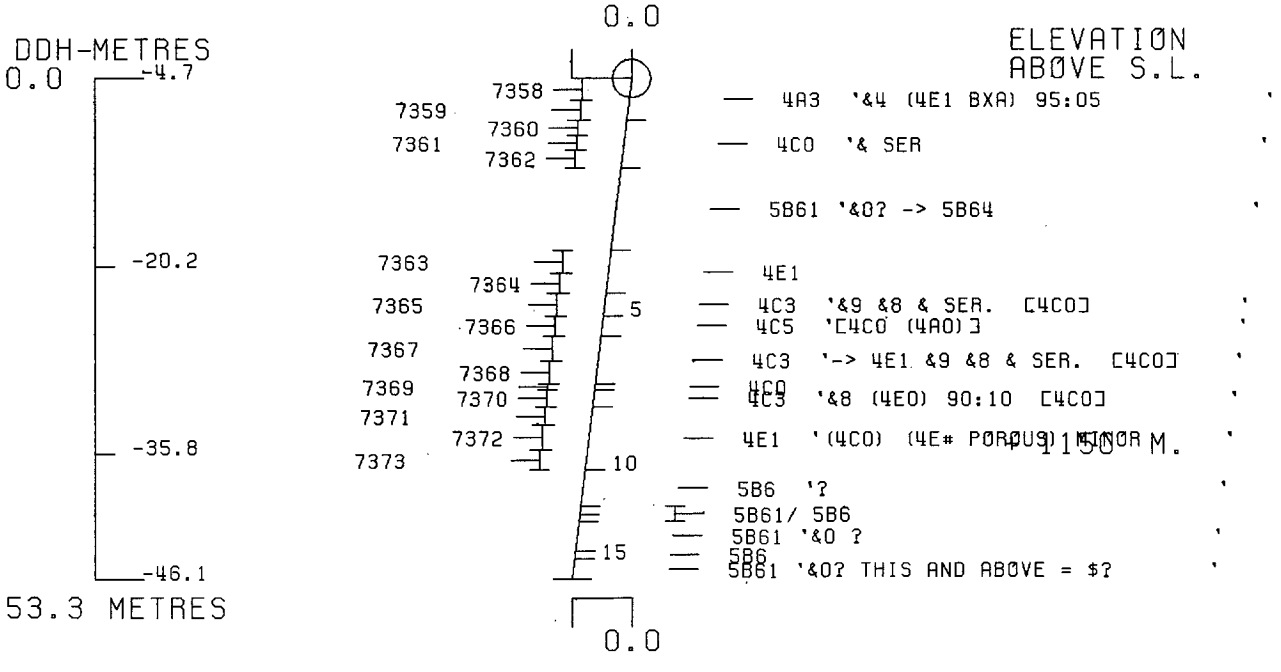
(VIEW AZIMUTH = 42 DEGREES)

ELEV:1174 592481E ; 904740N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 758.0 Z = 1174.3

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION

PROGRAM DH162 21 NOV 1984 3:43 PM

FAGU167

DDH	SAMPLE	----DEPTHS--- FROM	TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
FAGU167	7343	.9	1.8	.9	100	4CE		.25	.21	.75	9.0					.96		.78
	7344	1.8	4.0	2.2	86	4CE	3.54	.28	.28	1.03	19.0	.96	2.68	19.60		1.31	22.28	.79
	7345	4.0	6.1	2.1	100	4CE	3.61	.28	1.37	2.30	33.0	1.99	2.98	19.60		3.67	22.58	.63
	7346	11.6	12.8	1.2	100	4H14	3.50	.26	5.10	6.00	84.0	1.51	9.50	9.25		11.10	18.75	.54
	7347	32.2	34.4	2.2	59	4G4	4.26	.15	5.00	8.60	76.0	.75	.91	21.80		13.60	22.71	.63
	7348	34.4	36.6	2.2	95	4G4	4.83	.12	4.40	6.60	68.0	1.03	.62	27.00		11.00	27.62	.60
	7349	36.6	38.3	1.7	100	4E46	4.71	.14	3.90	4.60	60.0	1.92	.72	37.80		8.50	38.52	.54
	735C	38.3	40.0	1.7	88	4E46	4.57	.20	4.40	6.60	87.0	1.44	.67	28.50		11.00	29.17	.60
	7351	40.0	42.1	2.1	100	4G4	4.54	.11	4.20	7.10	77.0	.96	.51	18.40		11.30	18.91	.63
	7352	42.1	42.6	.5	100	5A16	3.33	.10	2.80	3.80	60.0	.96	.82	10.60		6.60	11.42	.58
	7353	42.6	44.3	1.7	100	4G4	4.51	.13	5.70	10.70	102.0	1.44	1.14	16.10		16.40	17.24	.65
	7354	44.3	45.7	1.4	100	4E46	4.46	.24	5.10	7.20	79.0	1.65	1.78	33.20		12.30	34.98	.59
	7355	45.7	46.2	.5	100	4G4	4.53	.11	8.10	12.70	139.0	1.10	1.37	19.20		20.80	20.57	.61
	7356	46.2	48.1	1.9	79	4E4	4.29	.11	9.00	14.10	149.0	1.58	2.30	23.90		23.10	26.20	.61
	7357	48.1	49.2	1.1	82	4G4	4.26	.24	6.10	12.60	101.0	1.85	1.10	20.10		18.70	21.20	.67

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT % CPY	GA	SP	PO	PY	BAR	OTHER	*	NORMATIVE MINERALS - VOLUME % CPY	GA	SP	PO	PY	BAR	OTHER
FAGU167	7343	4CE	.72	.24	1.12				97.92	*							
	7344	4CE	.81	.32	1.54	4.21	42.15		50.97	*	.68	.15	1.35	3.22	29.58		65.03
	7345	4CE	.81	1.58	3.43	4.69	42.15		47.34	*	.69	.76	3.07	3.65	30.19		61.65
	7346	4M14	.75	5.89	8.94	14.94	19.89		49.58	*	.63	2.76	7.86	11.41	13.98		63.36
	7347	4G4	.43	5.77	12.82	1.43	46.88		32.66	*	.40	3.00	12.50	1.21	36.57		46.32
	7348	4G4	.35	5.08	9.84	.98	58.06		25.69	*	.34	2.78	10.09	.87	47.62		38.31
	7349	4E46	.40	4.50	6.86	1.13	81.29		5.81	*	.46	2.86	8.15	1.17	77.31		10.05
	735C	4E46	.58	5.08	9.84	1.05	61.29		22.16	*	.58	2.84	10.33	.96	51.46		33.83
	7351	4G4	.32	4.85	10.58	.80	39.57		43.88	*	.28	2.36	9.65	.64	28.87		58.20
	7352	5A16	.29	3.23	5.67	1.29	22.80		66.73	*	.22	1.39	4.57	.90	14.70		78.22
	7353	4G4	.38	6.58	15.95	1.79	34.62		40.67	*	.33	3.24	14.74	1.44	25.59		54.66
	7354	4E46	.69	5.89	10.73	2.80	71.40		8.49	*	.76	3.63	12.42	2.82	66.08		14.28
	7355	4G4	.32	9.35	18.93	2.15	41.29		27.95	*	.30	5.00	18.97	1.88	33.10		40.74
	7356	4E4	.32	10.39	21.02	3.62	51.40		13.25	*	.33	6.13	23.25	3.48	45.48		21.32
	7357	4G4	.69	7.04	18.78	1.73	43.23		28.52	*	.66	3.73	18.64	1.49	34.31		41.17

DRILL HOLE : FAGU167

NORTHING : 904,740.3

EASTING : 592,481.4

ELEVATION : 1,176.9

TOTAL DEPTH : 61.8

SECTION : W 64

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: 15

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 35

NOS DOWN-H-STRUCTURE: 11

NOS DOWN-H-FAULTS: 11

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU167 UTM-N: 904,740.3 UTM-E: 592,481.4 UTM-ELEV: 1,176.9 TOTAL DEPTH: 61.8 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.9	1.8	07343	.9	.9	4CE		.25	.21	.75	9.00											
1.8	4.0	07344	2.2	1.9	4CE	3.54	.28	.28	1.03	19.00		.96	2	19	22						
4.0	6.1	07345	2.1	2.1	4CE	3.61	.28	1.37	2.30	33.00		1.99	2	19	22						
11.6	12.8	07346	1.2	1.2	4H14	3.50	.26	5.10	6.00	84.00		1.51	9	9	18						
32.2	34.4	07347	2.2	1.3	4G4	4.26	.15	5.00	8.60	76.00		.75		21	22						
34.4	36.6	07348	2.2	2.1	4G4	4.83	.12	4.40	6.60	68.00		1.03		27	27						
36.6	38.3	07349	1.7	1.7	4E46	4.71	.14	3.90	4.60	60.00		1.92		37	38						
38.3	40.0	07350	1.7	1.5	4E46	4.57	.20	4.40	6.60	87.00		1.44		28	29						
40.0	42.1	07351	2.1	2.1	4G4	4.54	.11	4.20	7.10	77.00		.96		18	18						
42.1	42.6	07352	.5	.5	5A16	3.33	.10	2.80	3.80	60.00		.96		10	11						
42.6	44.3	07353	1.7	1.7	4G4	4.51	.13	5.70	10.70	102.00		1.44	1	16	17						
44.3	45.7	07354	1.4	1.4	4E46	4.46	.24	5.10	7.20	79.00		1.65	1	33	34						
45.7	46.2	07355	.5	.5	4G4	4.53	.11	8.10	12.70	139.00		1.10	1	19	20						
46.2	48.1	07356	1.9	1.5	4E4	4.29	.11	9.00	14.10	149.00	133.00	1.58	2	23	26						
48.1	49.2	07357	1.1	.9	4G4	4.26	.24	6.10	12.60	101.00		1.85	1	20	21						
WEIGHTED AVERAGE																					
.9	6.1		5.2	4.9		2.95	.27	.70	1.49	22.92		1.20	2	16	18						
11.6	12.8		1.2	1.2		3.50	.26	5.10	6.00	84.00		1.51	9	9	18						
32.2	49.2		17.0	15.2		4.46	.14	5.27	8.50	88.59	14.86	1.32	1	24	25						

DDH: FAGU167 UTM-N: 9C4,74C.3 UTM-E: 592,481.4 UTM-ELEV: 1,176.9 TOTAL DEPTH: 61.8 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.CCO	47.1CC	224.4CC

DDH: FAGU107 UTM-N: 904,740.3 UTM-E: 592,481.4 UTM-ELEV: 1,176.9 TOTAL DEPTH: 61.8 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
0.9	0001	#		0.5-	1
1.6	0002	4CE	BXA	0.5-	1
6.1	0003	4C0	&5 & SER. (4E1) (4DC)	0.5-	1
7.3	0004	3GC		0.5-	1
9.5	0005	5B20	[5A0] (5B26)	0.5-	1
10.7	0006	4LC	(5546) [3G STR?]	0.5-	1
11.2	0007	5B6		0.5-	1
11.6	0008	4L1		0.5-	1
12.8	0009	4H14	(4D0 SER) (4A4 PHYLL)	0.5-	1
13.2	0010	3GC		0.5-	1
14.0	0011	5A1		0.5-	1
14.7	0012	3GC		0.5-	1
15.4	0013	4LC	&1 (4H1 &$ & SER.)	0.5-	1
21.1	0014	3GC9	&8 (3G4$) MINOR	0.5-	1
22.5	0015	5D43		0.5-	1
24.0	0016	5B62	(5D6)	0.5-	1
25.9	0017	3GC	&9 (3G4)	0.5-	1
27.4	0018	5D&$		0.5-	1
28.4	0019	5B46	(4L0) (5A6)	0.5-	1
30.8	0020	3GC	&9	0.5-	1
32.2	0021	5A6	&1	0.5-	1
36.6	0022	4G4	(4E46)	0.5-	1
40.0	0023	4E4	&6 (4G4)	0.5-	1
42.1	0024	4G4	(4E46)	0.5-	1
42.6	0025	5A16	(10Q0)	0.5-	1
43.6	0026	4G4		0.5-	1
44.3	0027	4G4	(4E846)	0.5-	1
45.7	0028	4E4	&6 &7 &5	0.5-	1
46.2	0029	4G4	(4J6)	0.5-	1
48.1	0030	4E4	&5 (5C4*) MINOR	0.5-	1
49.2	0031	4G4	(4L14) MINOR	0.5-	1
49.5	0032	5B6		0.5-	1
55.7	0033	5A3		0.5-	1
56.4	0034	5B6		0.5-	1
61.8	0035	5A3	[5B20]	0.5-	1

DDH: FAGU167 UTM-N: 904,740.3 UTM-E: 592,481.4 UTM-ELEV: 1,176.9 TOTAL DEPTH: 61.8 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU167	0.0	1.5	CS2		0	0	0	0	64	230	0	1	1	1
FAGU167	0.0	7.6	CS2	M	0	0	0	0	53	230	0	1	1	1
FAGU167	0.0	13.7	CS2	R	0	0	0	0	83	230	0	1	1	1
FAGU167	0.0	19.5	CS2	R	0	0	0	0	70	230	0	1	1	1
FAGU167	0.0	25.0	CS2	S	0	0	0	0	76	230	0	1	1	1
FAGU167	0.0	31.5	CS2	S	0	0	0	0	54	230	0	1	1	1
FAGU167	0.0	37.0	PS2	P	0	0	0	0	75	230	0	1	1	1
FAGU167	0.0	43.0	PS2	P	0	0	0	0	70	230	0	1	1	1
FAGU167	0.0	48.5	PS2	P	0	0	0	0	70	230	0	1	1	1
FAGU167	0.0	54.8	CS2	M	0	0	0	0	55	230	0	1	1	1
FAGU167	0.0	61.8	CS2	M	0	0	0	0	55	230	0	1	1	1

DDH: FAGU167 UTM-N: 904,740.3 UTM-E: 592,481.4 UTM-ELEV: 1,176.9 TOTAL DEPTH: 61.8 SECTION: W 64
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
FAGU167	0.1	0.9	N		0	0	0	0	0	0	1
FAGU167	0.9	1.8	X		0	0	0	0	0	0	1
FAGU167	3.1	7.3	T		0	0	0	0	0	0	1
FAGU167	0.0	11.6	1G		0	0	99	999	0	0	1
FAGU167	0.0	12.2	G		0	0	0	0	0	0	1
FAGU167	0.0	28.4	1G		0	0	0	0	0	0	1
FAGU167	30.8	31.0	G		0	0	0	0	0	0	1
FAGU167	0.0	48.1	R		0	0	0	0	0	0	1
FAGU167	49.2	49.5	3G		0	0	99	999	0	0	1
FAGU167	52.8	53.0	D?		0	0	0	0	0	0	1
FAGU167	59.0	59.4	RG		0	0	0	0	0	0	1

DDH: FAGU167 UTM-N: 9[illegible]4,74C.3 UTM-E: 592,481.4 UTM-ELEV: 1,176.9 TOTAL DEPTH: 61.5 SECTION: W 64
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU167	1	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 11:06:03

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU167

Project: Grum Relog

Location: Vangorda Plateau 64W

Claim:

~~UTM~~ Terr. Plane Co-ords.: 6904740.3 N

592481.4 E

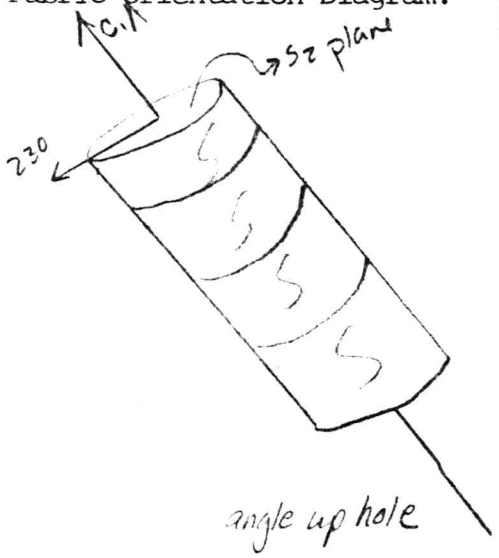
Grid Co-ords.: 64W

ZN

Elevation: 1176.9

Total Depth: 61.8m

Fabric Orientation Diagram:



All ~~symmetry~~ determinations looking

NW with Sz dipping

SW with dip azimuth 230.

Purpose: DEFINITION - GRUM DEPOSIT

Logged by: GAG Date(s) Logged: July 20-21, 1981

Drilling Contractor: Cyprus McCutcheon Core:

Size	From	To
BQ	0	61.8

Collar Cased and Capped: ____

Started: 9/1/76 Completed: 9/2/76

Cyprus Anvil Mining Corp.

Diamond Drill Core Log

DDH ~~FAG.U.1.6.7~~ (2 — 8)

Code	Drillhole	Elevation	Northing	Easting	Comments
	2 — 8	10 — 16	17 — 24	25 — 32	34 — 48
T	FAGU167	1176.9	9047401.3	592481.4	METRES

224.4 for True North

Code	Drillhole	Depth		Zenith Angle		True Azimuth	Comments
	2 — 8	10 — 13	14	22 — 25	26	28 — 32	34 — 56
R	FAGU167	00		47.1		222.9	ATCOLLAR
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	
R				.		.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
	2 — 8	10 — 40

Cyprus Anvil Mining Corp.
Lithologic Log

DDH FAGU167 (2–8)

Date: 21 July/81 Logged By: GG

UNITS = METRES.

Code	From	To	Recov.	No.	Unit	Description	H/W CNT TYPE	∠
						+ NOTE - THIS HOLE DRILLED		
						UPWARD FROM MINE DRIFT;		
L	00	09		001	*	No RECOVERY;	—	
L	09	18		2	4CO	BRECCIA - 4E0+4CO CLASTS	~	S2
						IN CLOSED QZ-HEALED		
						MATRIX; - ROTATED FRAGS		
L	18	61		3	4CO	± (minor 5, SER)	PROB	//S2
						+ (minor 4E1)		
						+ (minor 4DO TOWARD H/W)		
L	61	73		4	3G2	WELL PARTED ALONG ~~BZ~~		//S2
						INTO <0.5 cm POKOR CHIPS;		
L	73	95		5	5A6	- SLIGHTLY CALL THROUGHOUT;	GRADES 70cm	//S2
						LOW CARBON		
						+ (5B26)		
L	95	107		6	4LO	+ (5B46) - 3% VARIABLY		//S2
						ORIENTED ANK-SIDERITE VEINLETS		
L	107	112		7	536	SERICITIC + ANK-SIDERITE VNLETS;		
L	112	116		8	4L1	ANK-SIDERITE VNLETS;	PROB	//S2
L	116	128		9	4H1A	+ (4DO ± SERICITE ± 4)	3cm GOUGE	
						+ (4A4 - PHYLLITIC PARTINGS)	//Z2	
						+ (4D4 - SERICITIC @ 11.6-12.1cm)		
						- N.B. - small BLACK SPOTS →		
						JANET'S MARKER?		
L	128	132		10	3G2	FINE GRAINED	COARSE RUBBLE	PROB //S2
						+ (10% 0.5-2cm LONG QZ LENSES		
						//S2)		
L	132	140		11	5A1	+ (4A1 - NO SULPHIDE - C+PHGL	10 cm GOUGE	
						PARTINGS)		
L	140	147		12	362			
L	147	154		13	4LO	±/ + (4H1 ± SER ± DOLO (minor)	S2 = 38°	39/05 SHARP
						@ 30cm H/W)		
	154	211		14	3G29	± (minor 8)	GRADES 20cm	
						+ (minor 3G*4 - DOLO - LT BEIGE @ 15.7cm)		
L	211	225		15	5D46	+ (*-DOLO LAMS @ 0.4m F/W)	SHARP	//S2
						NOTE CHARACTER OF CNTS;		

DDH EAGU167 (2–8)

Cyprus Anvil Mining Corp.

Lithologic Log

Date: 21 July/81 Logged By: GG

Code	From	To	Recov.	No.	Unit	Description	H/W CNT TYPE	H/W CNT %
1	10 14	16 20	22 24	26 28	30 34	35		
L	225	240		16	5B62	+(5D6)		11/2
L	240	259		17	3G92	+(3G92) ±9;	1cm QZ VN 11S2	
L	259	274		18	5D*	- ANK-DOLO + SER-CHLORITE LAMS	GRADES 10CM.	11S2
						+(5D16 ±9 = P@) → [5F16]		
L	274	284		19	5B46	+(4L0) + (5A6)		11S2
L	284	308		20	3G92	±9;	2cm GOUGE 11S2	
L	308	322		21	5A61	±1	20 CM GOUGE	
L	322	366		22	4G4	ORANGE SPHAL + 40% BARITE;		11B2
						+(4E64) + (minor ANK CLOTS)		
L	366	400		23	4E4	±6 - HONEY & ORANGE SPHAL; tr PY @ 270/60	SLICKENSIDES	11B2
						+(minor 464) + (minor ANK CLOTS)	+SC* - 3CM @ 39.9M 15% FRX	
L	400	421		24	4G64	HONEY SPHAL - 40-80% BARITE	20 CM QZ. VN. BX	AS; 7 11S2
						+(4E64)		
L	421	426		25	5A16	UNIT = 50% QZ VN;		PROB 11S2
L	426	436		26	4G4	HONEY SPHAL, 40% BARITE;		11S2
L	436	443		27	4G64	+(4E864 @ 10 CM FAN) HONEY + RED SPHAL 30% BARITE;		11S2
L	443	457		28	4E4	±6 ±7 ±5	PROB	11S2
L	457	462		29	4G4	+(4J6) - HONEY SPHAL;	PROB	11S2
						+(4E4 - POROUS @ H/W 10cm)		
L	462	481		30	4E4	±5; HIGH GRADE; DK RED SPHAL;		11S2
						+(5C* ANK - 15% FRCH @		
						46.4-46.5m)		
L	481	492		31	4G4	HONEY SPHAL + 30% BARITE;	COARSE RUBBLE	PROB 11S2
						+(4L14 @ H/W 10cm - ALL		
						AS COARSE RUBBLE)		
L	492	495		32	5B6	±1 - SERICITIC - UNIT =		11S2
						90% (GOUGE) 11S2		
L	495	557		33	5A3	HIGH CARBON;		11B2
						52.8-53.0 = Fdd BRECCIA		
						WITH 5% DK RED SPHAL		
						NO SIGNIF MOVEMENT;		
						TRACE SULPHIDE = PY ± PO;		
L	557	564		34	5B6		GRADES 20CM	11S2
L	564	618		35	5A3	LOW CARBON?		
						59.0-59.4m = COARSE RUBBLE		
						+ GOUGE;		

END OF HOLE @ 61.8 m.

DDH EAGU167 (2 8) Cyprus Anvil Mining Corp. Page 5 of 6

UNITS = METRES. Structural Log Date: 21 July/81 Logged By: GG

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S	11	5	CLS12				64 2310	S-BANDING IN UNBRECCIATED ZONE;
S	17	6	CLS12	M			53	REVERSING S/Z
S	1137		CLS12	R			83	
S	1195		CLS12	R			70	R+M → REVERSING S/Z WHERE DISCERNABLE;
S	2150		CLS12	S			76	
S	3115		CLS12	S			54	F_4 @ 33/180°
S								GOUGE CWT?
S	3710						75	S-BANDS.
S	4130						70	"
S	4805						70	"
S	4972						73	GOUGE // S_2.
S	5488			M			55	
S	6188			M			55	
S	5900							GOUGE CWT?
								END OF HOLE @ 61.8m

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

DDH FAGU-167 (2 / 8) Cyprus Anvil Mining Corp

Page 6 of 6

Logged by GG

ASSAY LOG (SAMPLER'S COPY) Date 22 Jul/81 Sampled by

UNITS = METRES.

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
P	10.9	11.8	713413	10 9	11 0	AIC01	BRECCIA.
P	11.8	14.0	713414	12 2	11 9	AIC01	
P	14.0	16.1	713415	12 1	12 3	AIC01	
P	16.1	16.2	713416	11 2	11 3	AIH1A	+(4DA)
P	13.2	13.4	713417	12 2	11 3	AIG1A	+(4EGA)
P	13.4	13.6	713418	12 2	12 1	AIG1A	+(4EGA)
P	13.6	13.8	713419	11 7	11 8	AIE1A	±6
P	13.8	14.0	713510	11 7	11 5	AIE1A	±6
P	14.0	14.2	713511	12 1	12 3	AIG1A	+(4EGA)
P	14.2	14.2	713512	10 5	10 5	15A116	+ QZ VEIN (50%)
P	14.2	14.4	713513	11 7	11 7	AIG1A	+(4G 8GA)
P	14.4	14.5	713514	11 4	11 6	AIE1A	±6 ±7 ±5
P	14.5	14.6	713515	10 5	10 5	AIG1A	+(4J6) +(4EA-POROUS)
P	14.6	14.8	713516	11 9	11 5	AIE1A	±5 +(5C*)
P	14.8	14.9	713517	11 1	10 9	AIG1A	
							END OF HOLE @ 61.8m

DDH FAG0167 (2 / 8) Cyprus Anvil Mining Corp. Page ____ of ____

Structural Log Date: ____ Logged By: ____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	001	009	N					
F	009	018	X					
F	031	073	T					
F		116	IG			999999		
F		132	G					
F		284	IG					
F	308	310	G					
F		481	R					
F	492	495	IG			999999		
F	528	530	D?					
F	590	594	RG					

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

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO D.D.H. Nº 76-U-167 PAGE 1

PROPERTY GRUM JOINT VENTURE

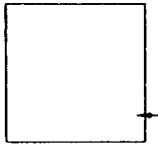
LATITUDE 2N STARTED SEPTEMBER 1, 1976

DEPARTURE 64W COMPLETED SEPTEMBER 2, 1976

ELEVATION PROPOSED DEPTH

ULTIMATE DEPTH 203' - 61.8m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	+38°



CLAIM Nº

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 93%

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	6.1	QUARTZ-SULFIDE (P). Competent. Foliation = 55-65°. 25 3	1.8	4891	0	3.0	3.0	0.15	0.78	7.20					
		0-1.6: Sulfide bx (PXq). Ø = 1mm - 1cm. angular to 30 4	1.4	4892	3.0	4.6	1.6	0.78	1.28	22.29					
		sub-rounded sulfides cemented by quartz. 30 4	1.5	4893	4.6	6.1	1.5	1.63	2.68	29.14					
		2.5-3.0: Graphite as thin laminae (PG). Foliation = 70°.													
		6.1: Sharp wavy contact with Graphitic Sericite Phyllite													
		(SG) = 80°.													
6.1	13.7	GRAPHITIC SERICITE PHYLLITE (SG). Very fissile. Core breaks	5.1		6.1	11.6	5.5								
		easily to poker chips/flakes.													
		F = 70-75°; F is perpendicular to F .													
		9.5-10: Bleached Sericite Phyllite (Sb). Silvery white with													
		thin buff laminae. Foliation = 80°.													
		11.6-12.7: Quartz-sulfide interval with wide sulfide 45 8	1.0	4894	11.6	12.7	1.1	5.89	7.30	84.69					
		band. Banding = 75° (Po+Mgtt/quartz/Py-Sph-Gal).													
		First contact = 80°; 2nd - broken core - shear.	1.0		12.7	13.7	1.0								
		13.7: Gradual change to Sericite Phyllite (S).													

LOGGED BY _____ D.D.H. NO 76-U-167 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
13.7	21.2	DARK SERICITE PHYLLITE (S). Fissile. Breaks into poker chips. Foliation = 50-55°; F_1 is perpendicular to F_2. 21.2: Gradual change to Chlorite Phyllite Unit (C).	7.0		13.7	21.2	7.5								
21.2	22.5	CHLORITE UNIT WITH TRACE CALCITE (C+K). Competent. Green and white stripes. F_2 = 50°; F_1 = 0-5°. Chlorite marking F_1 folds. 22.5: Sharp contact with Sericite Phyllite with Trace of Graphite (S+G) = 70°.	1.3		21.2	22.5	1.3								
22.5	25.6	SERICITE PHYLLITE WITH TRACE GRAPHITE (S+G). Competent. F_2 = 75-80°; F_1 = 0-5°. 25.6: Gradual change to Bleached Sericite-Chloritic Phyllite (Sbc).	3.0		22.5	25.6	3.1								
25.6	28.0	BLEACHED SERICITE-CHLORITIC (Sbc) PHYLLITE. Competent. Buff with green stripes/spots. F_2 = 65°; F_1 = F_2 @ 25.9. Foldnose closure at 26.1 with sulfides in the core. 28.0: Abrupt change to Dark Sericite Phyllite with trace of Graphite.	2.4		25.6	28.0	2.4								
28.0	32.2	DARK SERICITE PHYLLITE WITH TRACE GRAPHITE (S+G).	4.0		28.0	32.0	4.0								

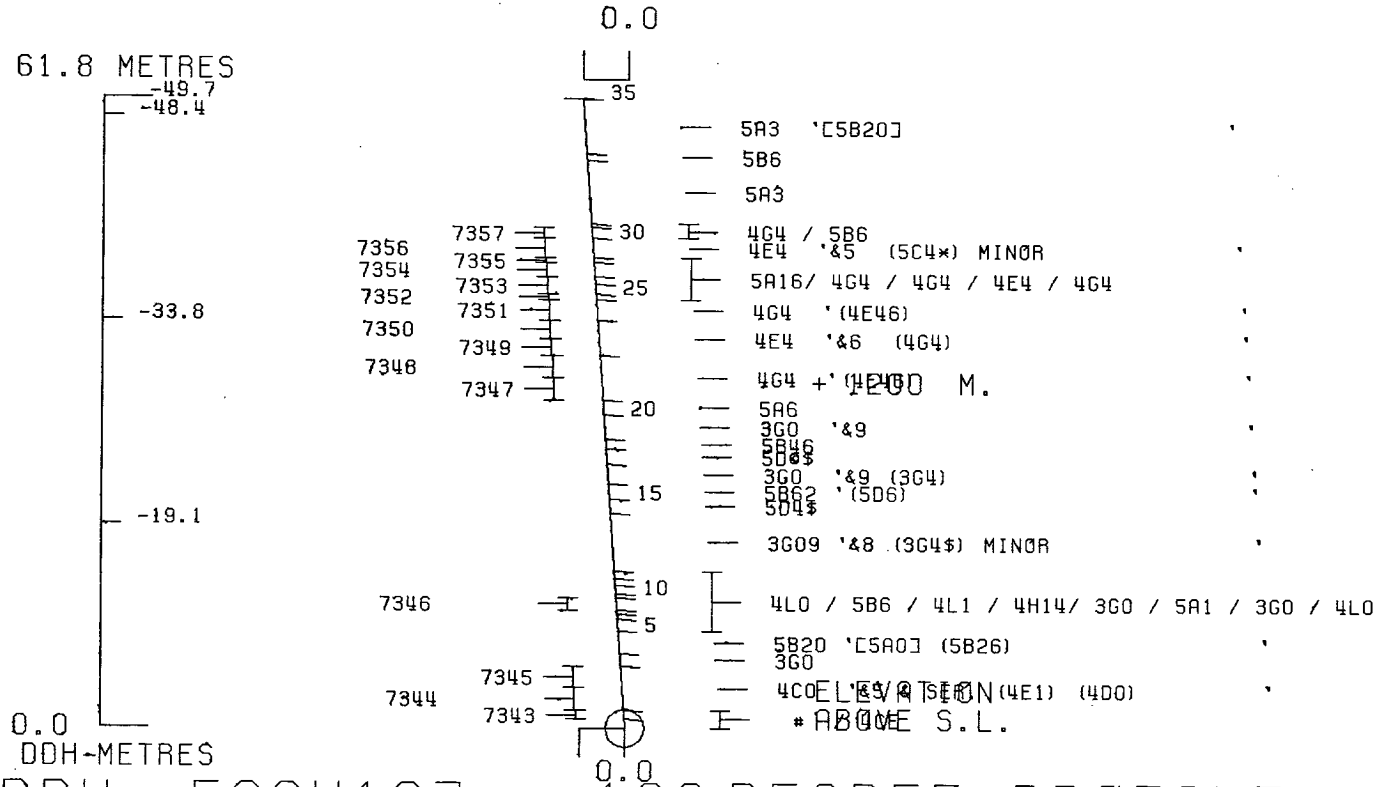
LOGGED BY _____ D.D.H. NO 76-U-167 PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		Fissile, breaks easily into blocks/chips. F_2 = 70-75°; F_1 = 5-10°.													
		32.2: Shear contact with Massive Sulfides (M). Plane = 80°													
32.2	48.8	MASSIVE SULFIDE WITH POROUS, BANDED AND BARITE-IN 60 10	1.4	4895	32.0	33.5	1.5	5.40	9.79	73.71			8.10	14.69	110.57
		GROUNDMASS VARIETIES (MV, MB, Mb). Competent. 60 15	1.6	4896	33.5	35.1	1.6	4.73	6.76	68.57			7.57	10.82	109.71
		Compositional banding = 65° @ 33-34; 30° @ 35.1-37; 50 10	1.5	4897	35.1	36.6	1.5	4.65	7.92	68.57			6.98	11.88	102.86
		65-70° @ 39.4-42. Barite in groundmass @ 35.1-36; 60 8	1.5	4898	36.6	38.1	1.5	4.05	4.25	69.60			6.08	6.38	104.4
		39.6-42. 65 12	1.5	4899	38.1	39.6	1.5	4.58	6.41	82.63			6.87	9.62	123.95
		33.6-33.7: Chlorite unit. Contacts both clean and 50 7	1.5	4900	39.6	41.1	1.5	3.80	6.24	66.51			5.70	9.36	99.77
		sharp = 85°. 45 7	1.3	021B	41.1	42.7	1.6	4.30	6.93	73.71			6.88	11.09	117.94
		39.3-39.4: Bleached Phyllite (Sb) with prominent 50 7	1.3	022B	42.7	44.2	1.5	6.00	10.81	87.77			9.00	16.22	131.66
		fuchsite laminae. Foliation = 70°. Con- 70 8	1.4	023B	44.2	45.7	1.5	5.40	6.74	70.63			8.10	10.11	105.95
		tacts clean and sharp = 85°. 65 12	1.2	024B	45.7	47.2	1.5	8.70	13.62	124.1			13.05	20.43	186.18
		42.3-42.6: Graphitic Phyllite unit. Foliation = 45°. 70 12	1.3	025B	47.2	48.8	1.6	7.03	14.77	104.9			11.25	23.63	167.87
		Contacts broken ground.													
		46-46.5: Porous variety. Voids = 75°.		W.Av.	38.1	42.7	4.6	4.23	6.54	74.27			19.45	30.07	341.66
		46.7-46.9: Bleached Phyllite. Buff with prominent fuchsite.		W.Av.	42.7	48.8	6.1	6.79	11.54	96.99			41.40	70.39	591.66
		Foliation = 65°. Contacts = 65°.		W.Av.	32.0	48.8	16.8	5.33	8.59	81.00			89.58	144.23	1360.9
		48.8: Shear contact with Graphitic Phyllite (G).													
		Plane = 85°.													

LOGGED BY _____ D.D.H. NO 76-U-167 PAGE 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
48.8	61.8	GRAPHITIC PHYLLITE (G). Fissile, breaks easily into poker chips. Trace of calcite. F_2 = 75-80°; F_1 = 0-5°. Series of small F_1 fold noses. Sporadic Po blebs with Py.	12.5		48.8	61.8	13.0								
	61.8	END OF HOLE.													

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 21 NOV 1984 3:41 PM



DDH: FAGU167 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

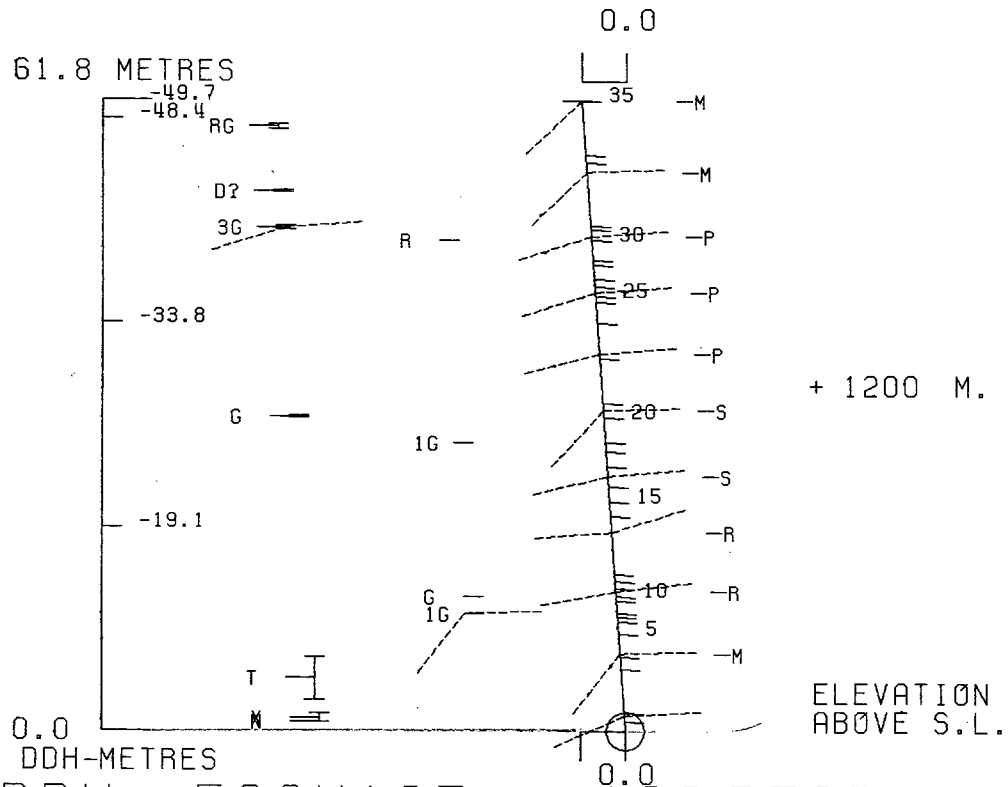
ELEV:1177 592481E ; 904740N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 758.1 Z = 1176.9

SECTION NAME: 02N

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 22 NOV 1984 1:47 PM



DDH: FAGU167 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

ELEV:1177 592481E ; 904740N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 758.1 Z = 1176.9

SECTION NAME: 02N

FAGU 169

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT % CPY	GA	SP	PO	PY	BAR	OTHER	*	NORMATIVE MINERALS - VOLUME % CPY	GA	SP	PO	PY	BAR	OTHER
FAGU169	716C	4CA3	.72	.02	.95				98.30	*							
	7161	4CA3	.43	.30	.64				98.63	*							
	7162	4A31	.61	.05	.60				98.75	*							
	7163	4A31	.35	.05	.98				98.62	*							
	7164	4A31	.55	.05	.30				99.11	*							
	7165	4A31	.49	.13	.48				98.90	*							
	7166	4A31	.38	.05	.25				99.32	*							
	7167	4A31	.43	.15	.27				99.15	*							
	7168	4A31	.20	.06	.24				99.50	*							
	7169	4A31	.23	.02	.19				99.55	*							
	717C	4A31	.17	.01	.24				99.58	*							
	7171	4A31	.38	.01	.34				99.27	*							
	7172	4A31	.32	.01	.24				99.43	*							
	7173	4A31	.32	.01	.19				99.48	*							
	7174	4A31	.35	.02	.36				99.27	*							

DCH	SAMPLE	----DEPTHS--- FROM	TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
FAGU169	716C	.0	4.6	4.6	41	4CA3		.25	.02	.64	11.0					.66		.97
	7161	4.6	6.6	2.0	90	4CA3		.15	.26	.43	12.0					.69		.62
	7162	6.6	9.6	3.0	70	4A31		.21	.04	.40	10.0					.44		.91
	7163	9.6	12.6	3.0	13	4A31		.12	.04	.66	10.0					.70		.94
	7164	12.6	15.6	3.0	60	4A31		.19	.04	.20	10.0					.24		.83
	7165	15.6	18.6	3.0	70	4A31		.17	.11	.32	14.0					.43		.74
	7166	18.6	21.6	3.0	60	4A31		.13	.04	.17	7.0					.21		.81
	7167	21.6	24.6	3.0	70	4A31		.15	.13	.18	10.0					.31		.58
	7168	24.6	27.6	3.0	80	4A31		.07	.05	.16	6.0					.21		.76
	7169	27.6	30.6	3.0	83	4A31		.08	.02	.13	5.0					.15		.87
	717C	30.6	33.6	3.0	100	4A31		.06	.01	.16	5.0					.17		.94
	7171	33.6	36.6	3.0	100	4A31		.13	.01	.23	7.0					.24		.96
	7172	36.6	39.6	3.0	87	4A31		.11	.01	.16	6.0					.17		.94
	7173	39.6	42.6	3.0	73	4A31		.11	.01	.13	6.0					.14		.93
	7174	42.6	45.7	3.1	52	4A31		.12	.02	.24	5.0					.26		.92

DRILL HOLE : FAGU169

NORTHING : 904,697.0

EASTING : 592,522.8

ELEVATION : 1,182.5

TOTAL DEPTH : 45.7

SECTION : W 62

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: 15

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 2

NOS DOWN-H-STRUCTURE: 8

NOS DOWN-H-FAULTS: 1

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	4.6	07160	4.6	1.9	4CA3		.25	.02	.64	11.00											
4.6	6.6	07161	2.0	1.8	4CA3		.15	.26	.43	12.00											
6.6	9.6	07162	3.0	2.1	4A31		.21	.04	.40	10.00											
9.6	12.6	07163	3.0	.4	4A31		.12	.04	.66	10.00											
12.6	15.6	07164	3.0	1.8	4A31		.19	.04	.20	10.00											
15.6	18.6	07165	3.0	2.1	4A31		.17	.11	.32	14.00											
18.6	21.6	07166	3.0	1.8	4A31		.13	.04	.17	7.00											
21.6	24.6	07167	3.0	2.1	4A31		.15	.13	.18	10.00											
24.6	27.6	07168	3.0	2.4	4A31		.07	.05	.16	6.00											
27.6	30.6	07169	3.0	2.5	4A31		.08	.02	.13	5.00											
30.6	33.6	07170	3.0	3.0	4A31		.06	.01	.16	5.00											
33.6	36.6	07171	3.0	3.0	4A31		.13	.01	.23	7.00											
36.6	39.6	07172	3.0	2.6	4A31		.11	.01	.16	6.00											
39.6	42.6	07173	3.0	2.2	4A31		.11	.01	.13	6.00											
42.6	45.7	07174	3.1	1.6	4A31		.12	.02	.24	5.00											
WEIGHTED AVERAGE																					
.0	45.7		45.7	31.3			.14	.04	.28	8.27											

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	90.200	44.000

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.6	0001	4CA3	[4CL2 (4A3) 60:40]	0.5-	1
45.7	0002	4A31	& BXA & PHYLLITIC	0.5-	1

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU169	0.0	4.7	CS2		0	0	0	0	34	230	C	1	1	1
FAGU169	0.0	9.1	CS2		0	0	0	C	34	230	C	1	1	1
FAGU169	0.0	16.1	CS2		0	0	0	0	41	230	0	1	1	1
FAGU169	0.0	24.1	CS2		0	0	0	0	28	230	0	1	1	1
FAGU169	0.0	25.9	CS2		0	0	0	0	31	230	C	1	1	1
FAGU169	0.0	31.7	CS2		0	0	0	0	39	230	0	1	1	1
FAGU169	0.0	37.1	CS2		0	0	0	0	33	230	C	1	1	1
FAGU169	0.0	42.0	CS2		C	0	0	C	42	230	0	1	1	1

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62
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
FAGU169	7.7	8.0	X?			0	0	0	0	0	0	1

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU169	1	1

CYPRUS ANVIL MINING CORPORATION

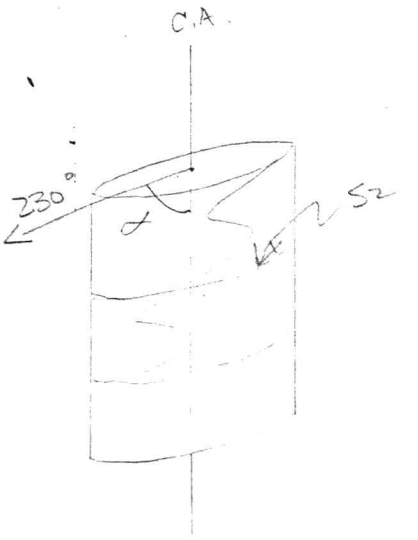
Page 1 of 5

DIAMOND DRILL CORE LOG

Date: JULY 10, 1981

Hole Number: FAG-U-169

Reference Fabric Orientation Diagram:



Project: GRUM REDG

Location: VANGORDA PLATEAU

Claim:

UTM
~~Terr~~.Plane
Co-ords.: 6,904,697.10 N

592,522.8 E

Grid
Co-ords: 62W/2N

All symmetry determinations looking

Elevation: 1182.5

NW with S2 dipping

Total Depth: 45.7 m

SW with dip azimuth 230.

Purpose:

Reason hole Terminated:

Logged by: PN

Date(s) Logged: MARCH 12/81

Drilling Contractor:

CORE Size	From	To
BQ	0	EOH

Collar Cased and Capped: ____

Hole Cemented:

Steel down hole:

Started: SEPT. 2/76 Completed: SEPT. 2/76

Cyprus Anvil Mining Corp. Page 2 of 5

DDH FAGU169 (2 8)

Diamond Drill Core Log Date: 7/10/81 Logged By: PN

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T	FAGU169	1181.5	9104697.1	592522.8	METRES	S	

0

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	FAGU169	100	90.2	47.4	AT COLLAR

44.0 for True North

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56

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

DDH EA 80 169

Cyprus Anvil Mining Corp.

Lithologic Log Date: _____ Logged By: PN

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
L	00	66		0101	4C4A3	60% 4CLZ ; 40% 4A3; <2% PbZn 30% Py;
L	66	457		0102	4A3	locally siliceous; elsewhere locally phyllitic;
						breccia w/ 4C & 4A clasts + graphitic
						groundmass 7.7-8.0m ; <1% Cpy
		EOH				30% Py <1% PbZn;

C.A.M.C. 1981 – E-3

DDH EAGU169 (2 — 8)

Cyprus Anvil Mining Corp.

Structural Log

Page 4 of 5

Date: ______ Logged By: PN

Code	From	To	Feature	Sym	S_0 Dip	S_0 Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
1	10–14	16–20	22–24	26	28	32	34	38	40	44	
S		47	CS2						34	230	
S		91	CS2						34		
S		161	CS2						41		
S		241	CS2						28		
S		259	CS2						31		
S		317	CS2						39		
S		371	CS2						33		
S		420	CS2						42		
		EOH									

DDH EA80-169 (2 … 8) Cyprus Anvil Mining Corp

Page 3 of 3

Logged by PN

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

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10–14	16–20	22–26	28–30	32–34	36–40	42 K.A.
	100	146	71610	146	19	H C H 3	36B, 37B
	146	166	71161	120	18	H C A 3	38B
	166	186	71162	130	21	H A B 1	39B, 40B
	186	126	71163	130	104	H A B 1	41B
	126	156	71164	130	18	H A B 1	42B
	156	186	71165	130	21	H A B 1	43B, 44B
	186	216	71166	130	18	H A B 1	45B 46B
	216	246	71167	130	21	H A B 1	47B
	246	276	71168	130	24	H A B 1	
	276	306	71169	130	26	H A B 1	
	306	336	71170	130	30	H A B 1	
	336	366	71171	130	30	H A B 1	
	366	396	71172	130	26	H A B 1	
	396	426	71173	130	22	H A B 1	
	426	457	71174	131	16	H A B 1	

DDH FAGU169 (2–8) m

Cyprus Anvil Mining Corp.

Structural Log

Page ______ of ______

Date: ______ Logged By: ______

Code	From	To	Feature	Sym	S_0 Dip	S_0 Direct.	S_1 Dip	S_1 Direct.	S_2 Dip	S_2 Direct	Description
1	10–14	16–20	22–24	26	28	32	34	38	40	44	
F	77	80	XP								

DIAMOND DRILL RECORD

LOGGED BY JIM PAXTON

D.D.H. Nº 76-U-169 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE 10,484.50 N 2N STARTED SEPTEMBER 2, 1976

DEPARTURE 7.822.00 E 62W COMPLETED SEPTEMBER 2, 1976

ELEVATION 1,193.07 PROPOSED DEPTH

ULTIMATE DEPTH 45.7

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	044°	FLAT

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION		Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	7.6	QUARTZ SULPHIDE WITH GRAPHITE (Pg).														
		Alternating streaks and bands of graphitic		0.3/2.1		0	2.1									
		phyllite and coarse granular quartz-pyrite	30 2	0.3/1.9	036B	2.1	3.0	0.9	0.05	0.43	6.17					
		mixture. F_1 destroyed. F_2 = 45°.	30 2	1.0/1.6	037B	3.0	4.6	1.6	0.04	0.93	7.20					
7.6	7.9	BRECCIA (PXg).	30 2	1.4/1.5	038B	4.6	6.1	1.5	0.50	0.68	9.94				0.77	PbZn
		Angular, well defined fragments of quartz sulphide	30 2	1.1/1.5	039B	6.1	7.6	1.5	0.08	0.25	5.14					
		in a groundmass of graphitic material.	30 2	1.4/1.5	040B	7.6	9.1	1.5	0.08	0.58	8.91					
7.9	45.7	QUARTZ SULPHIDE WITH GRAPHITE (Pg).	30 2	.8/1.6	041B	9.1	10.7	1.6	0.05	0.50	9.94					
		Similar to previous run. F_2 = 45°.		.2/3.0		10.7	13.7									
		Core ground 10.7-13.7, 20.4-?	30 2	1.5/1.9	042B	13.7	15.2	1.5	0.04	0.18	7.20					
		Scattered blebs of chalcopyrite.	30 2	1.4/1.6	043B	15.2	16.8	1.6	0.15	0.38	8.91					
		30.0-37.0: F_1 at high angle to F_2. F_2 = 40-50°.	30 2	1.0/1.5	044B	16.8	18.3	1.5	0.05	0.15	5.14				0.32	PbZn
		Not sampled past 23.5.	30 2	1.4/1.5	045B	18.3	19.8	1.5	0.18	0.33	8.23					
		23.5-45.7: Py: 30, PbZn: 2	30 2	1.0/2.1	046B	19.8	21.9	2.1	0.13	0.18	5.14					
			30 2	1.5/0.8	047B	21.9	23.5	1.5	0.08	0.08	2.06					
		Recovery 23.5-45.7		19.9/22.2												

LOGGED BY _____ D.D.H. NO 76-U-169 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
	45.7	END OF HOLE													

→ erased from x-section

DDH: FAGU169 --- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1183 592523E ; 904697N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 817.9 Z = 1182.5

SECTION NAME: 02N

ELEV 1183

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 2 MAY 1984 12:54 PM

DDH-METRES
0.0
45.7 METRES

erased from X-section

DDH: FAGU169 -- 132 DEGREE PROFILE

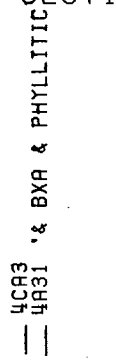
(VIEW AZIMUTH = 42 DEGREES)

ELEV:1183 592523E ; 904697N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 817.9 Z = 1182.5

SECTION NAME: 02N



ELEV 1183 — 1183

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 2 MAY 1984 12:53 PM

DDH-METRES
0.0
45.7 METRES

FAGU 171

DDH	SAMPLE	----DEPTHS--- FROM	TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
FAGU171	8139	.0	3.2	3.2	75	4EC8		.48	.04	.33	11.0					.37		.89
	8140	3.2	6.5	3.3	67	4EC8		.47	.03	.40	8.0					.43		.93
	8141	15.1	17.0	1.9	95	5D4	3.14	.05	2.21	3.00	30.0	2.12	3.07	7.30		5.21	10.37	.58
	8142	17.0	17.7	.7	100	4G4	4.17	.28	6.80	9.20	133.0	1.78	2.41	22.30		16.00	24.71	.58

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT % CPY	GA	SP	PO	PY	BAR	OTHER	*	NORMATIVE MINERALS - VOLUME % CPY	GA	SP	PO	PY	BAR	OTHER
FAGU171	8139	4EC8	1.39	.05	.49				98.07	*							
	8140	4EC8	1.36	.03	.60				98.01	*							
	8141	5C4	.14	2.55	4.47	4.83	15.70		72.30	*	.11	1.06	3.50	3.28	9.82		82.23
	8142	4G4	.81	7.85	13.72	3.79	47.96		25.88	*	.79	4.28	14.00	3.36	39.16		38.42

DRILL HOLE : FAGU171

NORTHING : 904,693.6

EASTING : 592,519.8

ELEVATION : 1,182.3

TOTAL DEPTH : 30.5

SECTION : W 62

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: 4

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 7

NOS DOWN-H-STRUCTURE: 4

NOS DOWN-H-FAULTS: 6

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU171 UTM-N: 904,693.6 UTM-E: 592,519.8 UTM-ELEV: 1,182.3 TOTAL DEPTH: 30.5 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	3.2	08139	3.2	2.4	4EC8		.48	.04	.33	11.00											
3.2	6.5	08140	3.3	2.2	4EC8		.47	.03	.40	8.00											
15.1	17.0	08141	1.9	1.8	5D4	3.14	.05	2.21	3.00	30.00		2.12	3	7	10						
17.0	17.7	08142	.7	.7	4G4	4.17	.28	6.80	9.20	133.00		1.78	2	22	24						
WEIGHTED AVERAGE																					
.0	6.5		6.5	4.6			.47	.03	.36	9.47											
15.1	17.7		2.6	2.5		3.41	.11	3.44	4.66	57.73		2.02	2	11	14						

DDH: FAGU171 UTM-N: 904,693.6 UTM-E: 592,519.8 UTM-ELEV: 1,182.3 TOTAL DEPTH: 30.5 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	89.700	223.000

DDH: FAGU171 UTM-N: 904,693.6 UTM-E: 592,519.8 UTM-ELEV: 1,182.3 TOTAL DEPTH: 30.5 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.5	0C01	4EC8	[4E8 (4C SER.) 60:40] & BXA	0.0	1
15.1	0C02	5B02		0.0	1
17.0	0C03	5D4*	(4G) (5A) BXA	0.0	1
17.7	0C04	4G4	&# & POROUS	0.0	1
24.7	0005	5B20	(5D4*) MINOR	0.0	1
25.9	0C06	5D4*		0.0	1
30.5	0C07	5B6		0.0	1

DDH: FAGU171 UTM-N: 904,693.6 UTM-E: 592,519.8 UTM-ELEV: 1,182.3 TOTAL DEPTH: 30.5 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PRCCESS
FAGU171	0.0	7.5	CS2		0	0	0	0	18	230	0	1	1	1
FAGU171	0.0	18.0	CS2		0	0	0	0	36	230	0	1	1	1
FAGU171	0.0	21.7	CS2		0	0	0	0	16	230	0	1	1	1
FAGU171	0.0	27.8	CS2		0	0	0	0	24	230	0	1	1	1

DDH: FAGU171 UTM-N: 904,693.6 UTM-E: 592,519.8 UTM-ELEV: 1,182.3 TOTAL DEPTH: 30.5 SECTION: W 62
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
FAGU171	3.0	3.2	D			0	0	C	0	0	0	1
FAGU171	4.8	4.9	D			0	0	0	0	0	0	1
FAGU171	6.5	9.5	GSB	5		0	0	C	0	0	0	1
FAGU171	14.7	15.1	GS			0	0	0	0	0	0	1
FAGU171	15.1	15.4	X			0	0	C	0	0	0	1
FAGU171	16.4	17.0	X			0	0	C	C	0	0	1

DDH: FAGU171 UTM-N: 904,693.6 UTM-E: 592,519.8 UTM-ELEV: 1,182.3 TOTAL DEPTH: 30.5 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU171	1	1

CYPRUS ANVIL MINING CORPORATION

Page 1 of 7

DIAMOND DRILL CORE LOG

Date: JULY 10/81

Hole Number: FAG-U-171

Project: GRUM RELOG

Location: VANGORDA PLATEAU

Claim:

~~Terr~~ UTM .Plane Co-ords.: 6,904,693.6 N

592,519.8 E

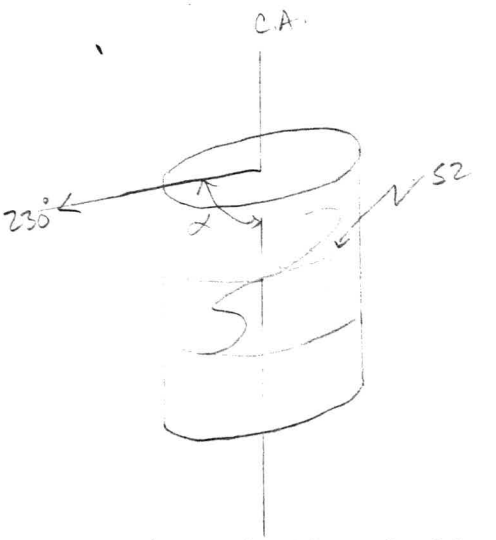
(Conversion of surveyed grid co-ords)

Grid Co-ords: 62W/2N

Elevation: 1182.3 m

Total Depth: 30.5 m

Reference Fabric Orientation Diagram:



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

Purpose:

Reason hole Terminated:

Logged by: RE PN

Date(s) Logged: MAR. 13/81

Drilling Contractor:

CORE Size	From	To
BQ	0	EOH

Collar Cased and Capped:

Hole Cemented:

Steel down hole:

Started: SEPT. 2/76 Completed: SEPT. 3/76

Cyprus Anvil Mining Corp.

DDH FAGU171 (2–8)

Diamond Drill Core Log Date: _____ Logged By: PN

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T	FAGU171	11821.3	9104693.6	591251.8	METRES	S2	

223.0 for True North

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	FAGU171	100	89.7	221.5	ATCOLLAR
			.	.	
			.	.	
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			.	.	
			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56

DDH EAGV17-1 (2 / 8)

Cyprus Anvil Mining Corp.

Lithologic Log

Page ____ of ____

Date: ____ Logged By: PN

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
L	10.0	16.5		0101	4EICG	4EB : 4CL = 60/40 ; bxia 3.0-3.2, 4.8-4.9m (4F, UC clasts in sulph. matrix); <2% PbZn;
L	16.5	115.1		0102	SBBX2	slightly calc ; gouge + shear 6.5-9.5, 14.7-15.1m;
L	115.1	170		0103	EIDH	bxia w/ sfg & 4G frags. in graph. gr. mass. 15.1-15.4m bleached buff SD w/ manpoita ; 4G-4 (10% PbZn) 16.2-16.3m; bxia w/ SD4 frags & sulph (py) groundmass 16.4 - 17.0m;
L	170	177		0104	4G4	10% PbZn ; 5% barite ; honey-coloured sph ; slightly calc ; variably buggy (leached); minor SD4 24.2 - 24.4m; slightly calc ; bleached buff ; slightly calc
L	177	214.7		0105	SBBX3	
L	214.7	215.9		0106	SD4B	
L	215.9	310.5		0107	SB61	
		EIDH				

DDH FAS.U.17.1 (2 8)

Cyprus Anvil Mining Corp.

Structural Log

Date: _____ Logged By: PN

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
S		175	CS,Z				18230	
S		180	CS,Z				36	S2 // CA 9.5 - 14.3 m,
S		217	CS,Z				16	
S		278	CS,Z				24	
		EOH						

DDH [illegible] **Cyprus Anvil Mining Corp**

Page [illegible] of [illegible]

Logged by [illegible]

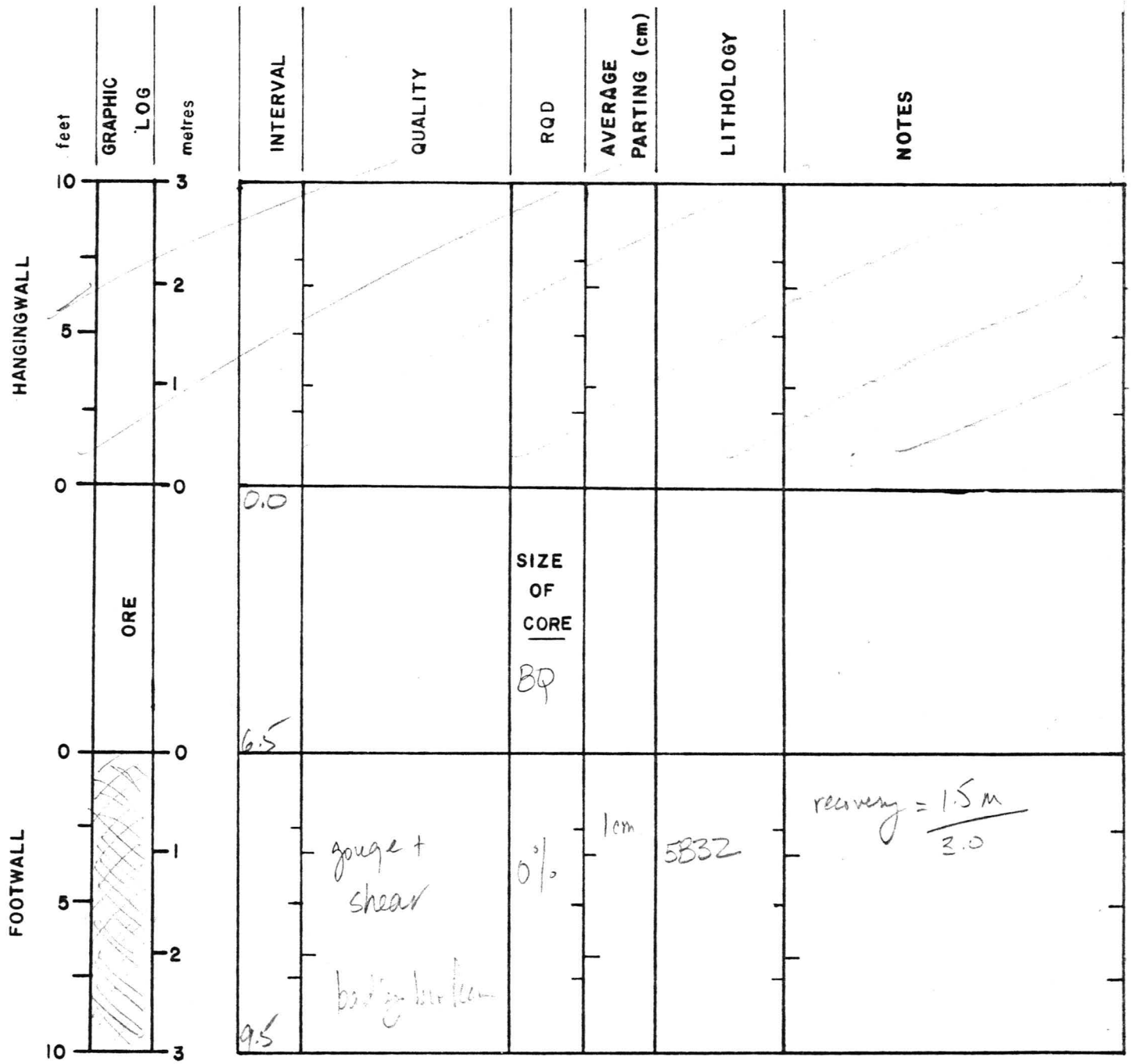
ASSAY LOG (SAMPLER'S COPY)

Date ____________ Sampled by ____________

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 – 14	16 – 20	22 – 26	28 – 30	32 – 34	36 – 40	42 KA.
	00	32	8139	32	[illegible]	4ECB	[illegible] 858,86B
	32	65	8140	33	[illegible]2	4EC8	878,88R
	151	170	8141	19	1[illegible]	5D4	w/ 4G4 893
	170	177	8142	07	[illegible]	4G4	908

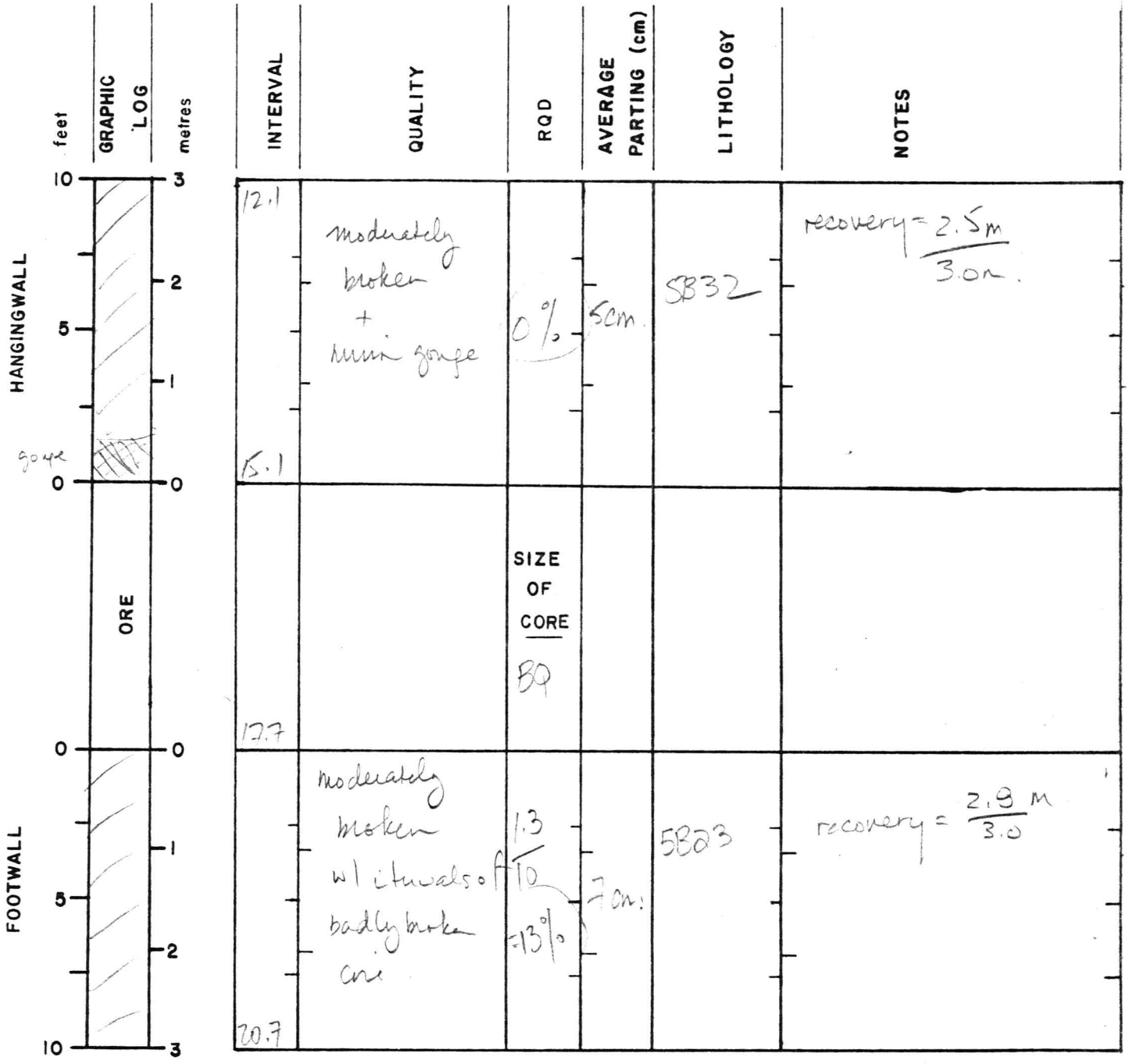
DDH- FAIGUL-71

GEOTECHNICAL LOG



DDH- FAGU17L

GEOTECHNICAL LOG



DDH FAG0171 (2 … 8) M

Cyprus Anvil Mining Corp.

Structural Log

Page _____ of _____

Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 … 14	16 … 20	22 … 24	26	28 … 32	34 … 38	40 … 44	
F	36	32	D					
F	48	49	D					
F	65	95	GSBS					
F	147	151	GS					
F	151	154	X					
F	164	170	X					

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

DIAMOND DRILL RECORD

LOGGED BY JIM PAXTON D.D.H. Nº 76-U-171 PAGE 1

PROPERTY GRUM JOINT VENTURE

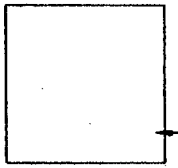
LATITUDE 2N STARTED SEPTEMBER 2, 1976

DEPARTURE 62W COMPLETED SEPTEMBER 3, 1976

ELEVATION PROPOSED DEPTH

ULTIMATE DEPTH 30.5

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	FLAT



CLAIM Nº

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	6.6	MASSIVE SULPHIDE (MB).													
		Fine grained pyrite with streaksof sphalerite 80 8	1.1/1.5	085B	0	1.5	1.5	0.03	0.15	9.94			0.18	PbZn	
		at 30°. Numerous 1mm specks of magnetite. Lower 80 6	1.5/1.5	086B	1.5	3.0	1.5	0.04	0.30	10.97			0.34	PbZn	
		contact 45° slickenside. 80 6	1.6/1.6	087B	3.0	4.6	1.6	0.05	0.58	12.00			0.63	PbZn	
		80 6	1.9/2.0	088B	4.6	6.6	2.0	0.03	0.45	5.14			0.48	PbZn	
6.6	10.0	FAULT GOUGE.													
		Gray gouge with fragments of dark gray quartz sericite.		W.Av.	0	6.6	6.6	0.42	PbZn						
10.0	15.1	QUARTZ CALCITE SERICITE PHYLLITE (SK).													
		Dark gray colour. F_1 drag folds parallel to F_2. F_2 = 0-10°.													
		13.5-15.1: Gouge and breccia.													
15.1	18.3	BRECCIA ZONE (SbXm). 30 8	1.7/1.7	089B	15.1	16.8	1.7	1.60	1.70	27.43			2.72	2.89	46.63
		Bleached sericite and mariposite fragments mingled 25 6	1.5/1.5	090B	16.8	18.3	1.5	4.48	5.70	73.71			6.72	8.55	110.57
		with fine grained sulphides.		W.Av.	15.1	18.3	3.2	2.95	3.58	49.13			9.44	11.44	157.20

76 U 171

LOGGED BY _____ D.D.H. NO 76-U-168 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
18.3	24.6	QUARTZ GRAPHITE PHYLLITE (G).													
		Dark gray colour. Drag folded F_1 bands sliced by F_2 at													
		0-30°.													
24.6	26.0	BLEACHED SERICITE PHYLLITE (Sb).													
		F_2 = 0°.													
26.0	30.5	QUARTZ SERICITE PHYLLITE (S).													
		Dark gray colour. Traces of graphite. F_2 = 0°.													
	30.5	END OF HOLE.													

erased from section.

DDH: FAGU171 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1182 592520E ; 904694N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 817.9 Z = 1182.3

SECTION NAME: 02N

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 22 JAN 1985 1:11 PM

5

ELEV 1182

30.5 METRES

0.0 DDH-METRES

erased from X-section

DDH: FAGU171 -- 132 DEGREE PROFILE

(VIEW AZIMUTH = 42 DEGREES)

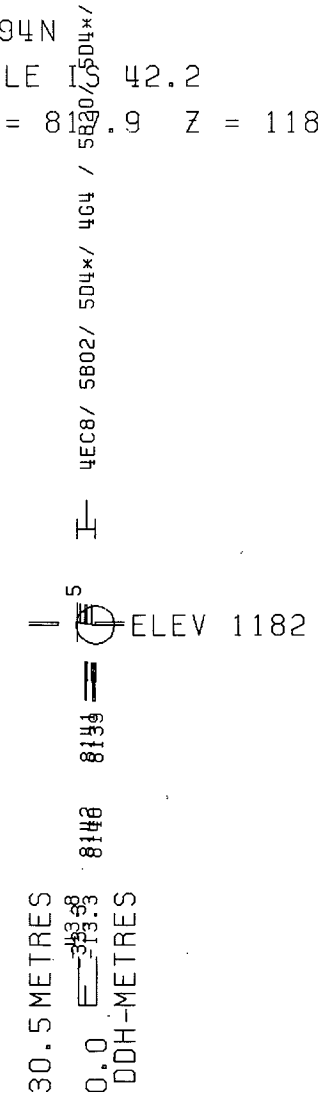
ELEV: 1182 592520E ; 904694N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 81[illegible].9 Z = 1182.3

SECTION NAME: 02N

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 22 JAN 1985 1:06 PM



FAGU173

DDH	SAMPLE	----DEPTHS--- FROM	TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAQ %	PB+ZN %	PO+PY %	ZN RATIO
FAGU173	7138	.0	3.0	3.0	20	4DE	3.59	.35	1.38	3.60	32.0	1.03	4.29	19.30		4.98	23.59	.72
	7139	13.8	15.8	2.0	75	4CL	3.07	.15	.21	.45	6.0	.41	4.19	9.00		.66	13.19	.68
	7140	15.8	18.3	2.5	36	4A31	2.90	.06	.53	.81	8.0	.41	1.52	4.40		1.34	5.92	.60
	7141	18.3	20.0	1.7	41	5A0		.05	.27	.45	7.0					.72		.63
	7142	20.0	20.8	.8	63	5B0		.01	.01	.02	2.0					.03		.67
	7143	20.8	22.8	2.0	90	4A0		.11	.32	.72	8.0					1.04		.69
	7144	22.8	24.8	2.0	95	4A0		.19	.05	.38	2.0					.43		.88
	7145	24.8	26.9	2.1	62	4A0		.21	.18	.27	6.0					.45		.60
	7146	26.9	29.0	2.1	43	4A0		.07	.06	.06	3.0					.12		.50
	7147	29.0	31.5	2.5	84	4L17		.01	.02	.01	2.0					.03		.33
	7148	31.5	34.5	3.0	83	4A0		.09	.97	.23	20.0					1.20		.19
	7149	34.5	37.0	2.5	100	4E8		.07	.04	.02	50.0					.06		.33
	7150	37.0	39.1	2.1	95	4GL	3.39	.11	1.58	1.75	27.0	.48	4.53	14.30		3.33	18.83	.53
	7151	39.1	40.1	1.0	90	4L13		.03	.01	.03	3.0					.04		.75
	7152	40.1	41.2	1.1	100	4A3		.20	.16	.20	12.0					.36		.56
	7153	41.2	42.4	1.2	92	4E0		.10	.45	.39	16.0					.84		.46
	7154	42.4	45.7	3.3	97	4EL8	4.37	.18	1.39	1.37	35.0	.41	7.04	16.83		2.76	23.87	.50
	7155	45.7	47.4	1.7	100	4E81	4.53	.10	.50	.39	20.0	.55	8.20	27.20		.89	35.40	.44
	7156	47.4	49.4	2.0	90	4L0	3.60	.18	1.04	1.23	23.0	2.81	5.20	9.80		2.27	15.00	.54
	7157	49.4	51.8	2.4	46	4A3		.09	.19	.46	9.0					.65		.71
	7158	51.8	54.1	2.3	78	4AE		.09	.14	.24	7.0					.38		.63
	7159	54.1	56.4	2.3	70	4AE		.02	.03	.08	4.0					.11		.73

OCH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT % CPY	GA	SP	PO	PY	BAR	OTHER	*	NORMATIVE MINERALS - VOLUME % CPY	GA	SP	PO	PY	BAR	OTHER
PAGU173	7138	4DE	1.01	1.59	5.37	6.75	41.50		43.78	*	.88	.77	4.88	5.34	30.21		57.93
	7139	4CL	.43	.24	.67	6.59	19.35		72.71	*	.32	.10	.52	4.47	12.08		82.50
	7140	4A31	.17	.61	1.21	2.39	9.46		86.15	*	.12	.24	.88	1.52	5.54		91.70
	7141	5A0	.14	.31	.67				98.87	*							
	7142	5B0	.03	.01	.03				99.93	*							
	7143	4A0	.32	.37	1.07				98.24	*							
	7144	4A0	.55	.06	.57				98.83	*							
	7145	4A0	.61	.21	.40				98.78	*							
	7146	4A0	.20	.07	.09				99.64	*							
	7147	4L1?	.03	.02	.01				99.93	*							
	7148	4A0	.26	1.12	.36				98.28	*							
	7149	4E8	.20	.05	.03				99.72	*							
	7150	4GL	.32	1.82	2.61	7.12	30.75		57.37	*	.26	.82	2.21	5.24	20.83		70.64
	7151	4L13	.09	.01	.04				99.86	*							
	7152	4A3	.58	.18	.30				98.94	*							
	7153	4E0	.29	.52	.58				98.61	*							
	7154	4EL8	.52	1.61	2.04	11.07	36.19		48.57	*	.44	.76	1.81	8.55	25.71		62.73
	7155	4E81	.29	.58	.58	12.90	58.49		27.16	*	.28	.31	.59	11.36	47.42		40.04
	7156	4L0	.52	1.20	1.83	8.18	21.07		67.19	*	.40	.51	1.47	5.70	13.52		78.39
	7157	4A3	.26	.22	.69				98.83	*							
	7158	4AE	.26	.16	.36				99.22	*							
	7159	4AE	.06	.03	.12				99.79	*							

DRILL HOLE : FAGU173

NORTHING : 904,693.9

EASTING : 592,520.2

ELEVATION : 1,182.2

TOTAL DEPTH : 57.9

SECTION : W 62

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: 22

NOS DOWN-H-SURVEYS: 1

NOS DOWN-H-LITHOLOGY: 21

NOS DOWN-H-STRUCTURE: 8

NOS DOWN-H-FAULTS: 11

NOS DOWN-H-SPLINES: 1

NOS COMPOSITES: 0

DDH: FAGU173 UTM-N: 904,693.9 UTM-E: 592,520.2 UTM-ELEV: 1,182.2 TOTAL DEPTH: 57.9 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	3.0	07138	3.0	.6	4DE	3.59	.35	1.38	3.60	32.00		1.03	4	19	23						
13.8	15.8	07139	2.0	1.5	4CL	3.07	.15	.21	.45	6.00		.41	4	9	13						
15.8	18.3	07140	2.5	.9	4A31	2.90	.06	.53	.81	8.00		.41	1	4	5						
18.3	20.0	07141	1.7	.7	5A0		.05	.27	.45	7.00											
20.0	20.8	07142	.8	.5	5B0		.01	.01	.02	2.00											
20.8	22.8	07143	2.0	1.8	4A0		.11	.32	.72	8.00											
22.8	24.8	07144	2.0	1.9	4A0		.19	.05	.38	2.00											
24.8	26.9	07145	2.1	1.3	4A0		.21	.18	.27	6.00											
26.9	29.0	07146	2.1	.9	4A0		.07	.06	.06	3.00											
29.0	31.5	07147	2.5	2.1	4L1?		.01	.02	.01	2.00											
31.5	34.5	07148	3.0	2.5	4A0		.09	.97	.23	20.00											
34.5	37.0	07149	2.5	2.5	4E8		.07	.04	.02	50.00											
37.0	39.1	07150	2.1	2.0	4GL	3.39	.11	1.58	1.75	27.00		.48	4	14	18						
39.1	40.1	07151	1.0	.9	4L13		.03	.01	.03	3.00											
40.1	41.2	07152	1.1	1.1	4A3		.20	.16	.20	12.00											
41.2	42.4	07153	1.2	1.1	4E0		.10	.45	.39	16.00											
42.4	45.7	07154	3.3	3.2	4EL8	4.37	.18	1.39	1.37	35.00	33.00	.41	7	16	23						
45.7	47.4	07155	1.7	1.7	4E81	4.53	.10	.50	.39	20.00		.55	8	27	35						
47.4	49.4	07156	2.0	1.8	4LD	3.60	.18	1.04	1.23	23.00		2.81	5	9	15						
49.4	51.8	07157	2.4	1.1	4A3		.09	.19	.46	9.00											
51.8	54.1	07158	2.3	1.8	4AE		.09	.14	.24	7.00											
54.1	56.4	07159	2.3	1.6	4AE		.02	.03	.08	4.00											
WEIGHTED AVERAGE																					
.0	3.0		3.0	.6		3.59	.35	1.38	3.60	32.00		1.03	4	19	23						
13.8	56.4		42.6	32.9		1.16	.10	.44	.49	14.29	2.55	.25	1	4	5						

DDH: FAGU173 UTM-N: 904,693.9 UTM-E: 592,520.2 UTM-ELEV: 1,182.2 TOTAL DEPTH: 57.9 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	143.000	224.000

DDH: FAGU173 UTM-N: 904,693.9 UTM-E: 592,520.2 UTM-ELEV: 1,182.2 TOTAL DEPTH: 57.9 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.0	0001	4DC	BXA (4EO) &#	0.5-	1
4.6	0002	5BC	?	0.5-	1
7.5	0003	5A0		0.5-	1
13.8	0004	5B02		0.5-	1
15.8	0005	4CL3	[4CO (4L3) 60:40]	0.5-	1
18.3	0006	4A31	& PHYLLITIC	0.5-	1
20.0	0007	5A0	?	0.5-	1
20.8	0008	5B0	?	0.5-	1
29.0	0009	4A0	(4C SER.) MINOR	0.5-	1
31.5	0010	4L1	? [5B4]	0.5-	1
34.5	0011	4A0		0.5-	1
37.0	0012	4E8	& BXA	0.5-	1
39.1	0013	4G0	(5D4*) 60:40	0.5-	1
40.1	0014	4L13	[5D4*?]	0.5-	1
41.2	0015	4A3		0.5-	1
42.4	0016	4EC		0.5-	1
45.7	0017	4EL	[4E8 (4L) 50:50]	0.5-	1
47.4	0018	4E81	7 MINOR	0.5-	1
49.4	0019	4LC	?	0.5-	1
56.4	0020	4A3	(4EO)	0.5-	1
57.9	0021	4L1	[5D4*?]	0.5-	1

DDH: FAGU173 UTM-N: 904,693.9 UTM-E: 592,520.2 UTM-ELEV: 1,182.2 TOTAL DEPTH: 57.9 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	S0 DIRECT	S1 ANGLE	S1 DIRECT	S2 ANGLE	S2 DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU173	0.0	4.8	CS2		0	0	0	0	50	230	0	1	1	1
FAGU173	0.0	8.0	CS2		0	0	0	0	37	230	0	1	1	1
FAGU173	0.0	13.4	CS2		0	0	0	0	30	230	0	1	1	1
FAGU173	0.0	23.7	CS2		0	0	0	0	58	230	0	1	1	1
FAGU173	0.0	30.7	CS2		0	0	0	0	37	230	0	1	1	1
FAGU173	0.0	33.4	CS2		0	0	0	0	44	230	0	1	1	1
FAGU173	0.0	54.3	CS2		0	0	0	0	49	230	0	1	1	1
FAGU173	0.0	56.5	CS2		0	0	0	0	48	230	0	1	1	1

DDH: FAGU173 UTM-N: 904,693.9 UTM-E: 592,520.2 UTM-ELEV: 1,182.2 TOTAL DEPTH: 57.9 SECTION: W 62
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
FAGU173	2.9	3.0	X?			0	0	0	0	0	0	1
FAGU173	3.0	4.6	G			0	0	0	0	0	0	1
FAGU173	4.6	7.5	P	3		0	0	0	0	0	0	1
FAGU173	3.0	13.8	3BP			0	0	0	0	0	0	1
FAGU173	18.3	20.8	G			0	0	0	0	0	0	1
FAGU173	29.0	29.4	G			0	0	0	0	0	0	1
FAGU173	35.1	35.5	D?			0	0	0	0	0	0	1
FAGU173	38.3	39.1	D?			0	0	0	0	0	0	1
FAGU173	43.6	45.7	D?			0	0	0	0	0	0	1
FAGU173	48.5	49.1	D?			0	0	0	0	0	0	1
FAGU173	56.4	57.9	3B	5		0	0	0	0	0	0	1

DDH: FAGU173 UTM-N: 904,693.9 UTM-E: 592,520.2 UTM-ELEV: 1,182.2 TOTAL DEPTH: 57.9 SECTION: W 62
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU173	1	1

CYPRUS ANVIL MINING CORPORATION

Page 1 of 7

DIAMOND DRILL CORE LOG

Date: JULY 10, 1981

Hole Number: FAG-U-173

Project: GRUM RELOG

Location: VANGORDA PLATEAU

Claim:

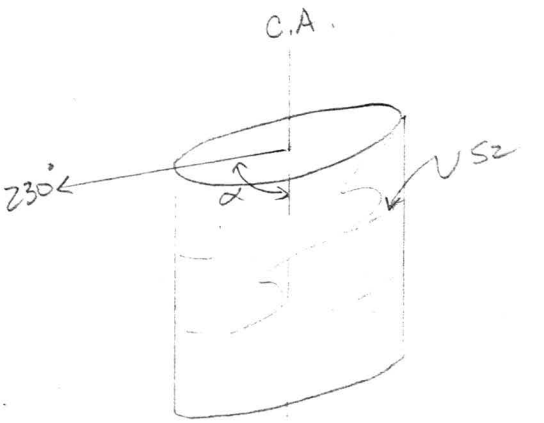
UTM
~~Terr.~~ Plane Co-ords.: 6,904,693.9 N

592520.2 E

Grid Co-ords: 62W/2N

conversion of K+A surveyed grid co-ords

Reference Fabric Orientation Diagram:



All symmetry determinations looking

Elevation: 1182.2

NW with S2 dipping

Total Depth: 57.9 m

SW with dip azimuth 230.

Purpose:

Reason hole Terminated:

RE
Logged by: PN

Date(s) Logged: MARCH 12, 1981

Drilling Contractor:

Size	CORE From	To
BQ	0	EOH

Collar Cased and Capped: ____

Hole Cemented:

Steel down hole:

Started: SEPT. 3/81 Completed: SEPT. 4/81

Cyprus Anvil Mining Corp.

DDH FAGU-173 (2 … 8)

Diamond Drill Core Log Date: _____ Logged By: PN

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 … 8	10 … 16	17 … 24	25 … 32	34 … 39	41 42	
T	FAGU173	11182.2	9046939.9	525209.2	METRES	S	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R	FAGU173	000.	143.0	224.0	AT COLLAR

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

DDH EAQ0173

Cyprus Anvil Mining Corp.

Lithologic Log

Date: ________ Logged By: PV

Code	From	To	Recov.	No.	Unit	Description
1	10 – 14	16 – 20	22 – 24	26 – 28	30 – 34	35
L	00	30		001	4DC	[bxia??] previously sampled: difficult to determine
						% of each; approx. 10% PbZn; 4E0
						bxia w/ calc. gr mass 29-30m;
L	30	46		002	5B3	fault gouge; no cnt. attitudes;
L	46	75		003	5A0	poor recovery – 0.7/2.9 m;
L	75	138		004	5B32	slightly calc; minor graphite; dk. grey;
L	138	158		005	4CL3	<1% PbZn; 4C0 w/ 4L3 interbands;
						4C/4L = 60/40
L	158	183		006	4A31	10% py; negligible PbZn; variably
						phyllitic;
L	183	200		007	5A0	fault gouge; no cnt. attitudes;
L	200	208		008	5B3	fault gouge; no cnt. attitudes;
L	208	290		009	4A4	4% PbZn; 20% py; 4CL 20.8-20.9 m
L	290	315		010	4L1	[5B4?]; minor py; gouge 29.0-29.4 m
L	315	345		011	4A4	4% PbZn; 20% py
L	345	370		012	4E8	3% mt; minor bxia w/ 4A pebbles
						35.1-35.5m;
L	370	391		013	4LG	4L w/ 4G interbands [5D4?]; [illegible]
						5D4 [illegible]-38.2m; [illegible] 38.8-39.1m
						4L/4G = 40/60
L	391	401		014	4L13	
L	401	412		015	4A3	negligible PbZn; 20% py
L	412	424		016	4E0	few 4A inclusions
L	424	457		017	4EL	4E/4L = 50/50; 4E w/ 4L interbands +
						inclusions; minor mt; bxia 43.6-45.?
						3% PbZn;
L	457	474		018	4E81	minor po; <2% PbZn;
L	474	494		019	4LD	minor 4D bands; bxia 48.5-49.1m;
						<2% PbZn
L	494	564		020	4A3	2% PbZn; 4F0 53.5-53.8, 55.9-56.0m
L	564	579		021	4L1	minor py stringers;
		EOH				

DDH EA GU 173 (2 — 8)

Cyprus Anvil Mining Corp.

Structural Log

Page 4 of 7

Date: _____ Logged By: PN

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 — 14	16 — 20	22 — 24	26	28 — 32	34 — 38	40 — 44	
S		48	CS2				50 230	
S		80	CS2				37	
S		134	CS2				30	
S		287	CS2				58	
S		307	CS2				37	
S		334	CS2				44	
S		543	CS2				49	
S		565	CS2				48	
		EOH						

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

DDH EAGUL73 **Cyprus Anvil Mining Corp**

Logged by PN

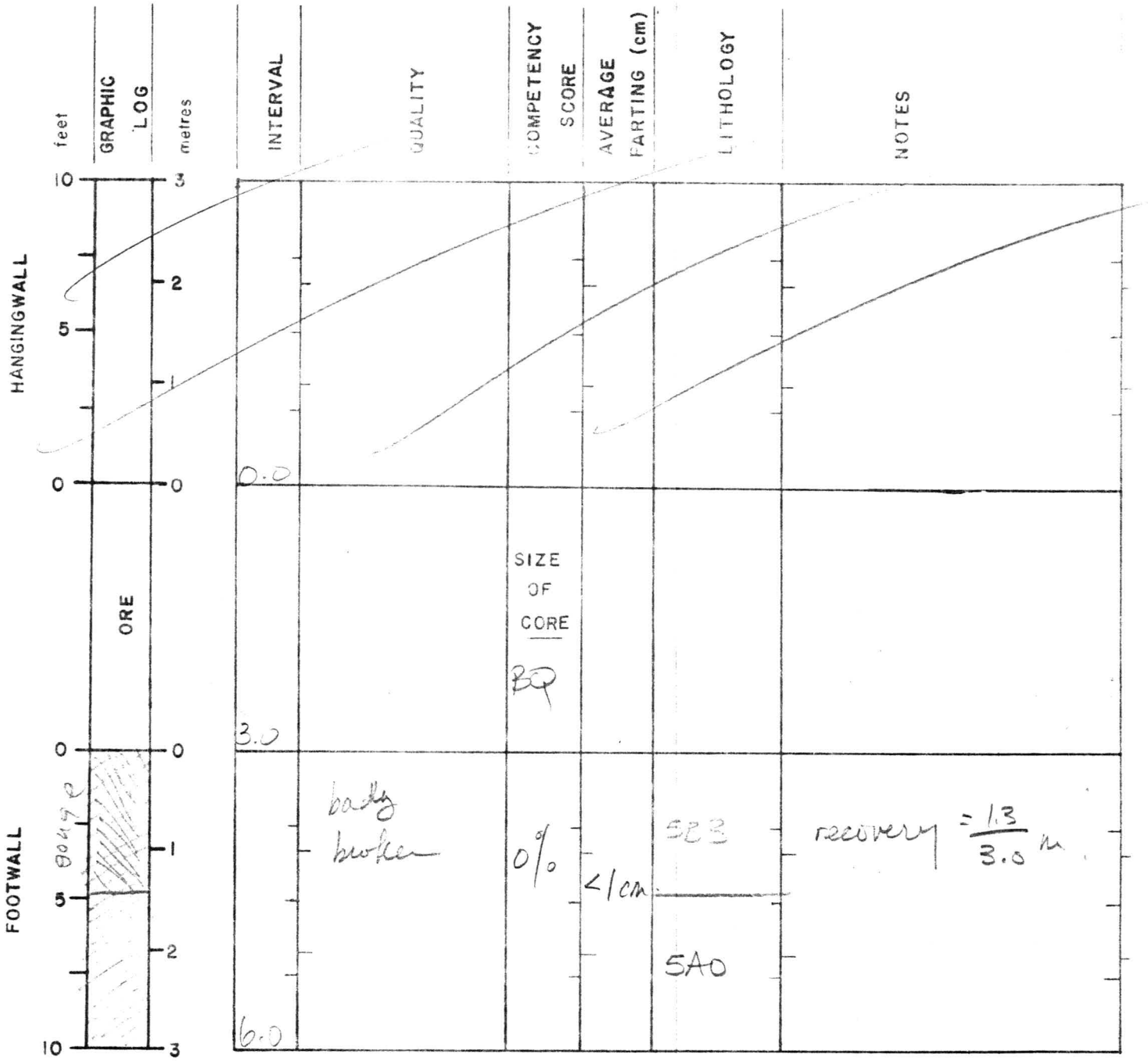
ASSAY LOG (SAMPLER'S COPY) Date ____ Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION	K.A.
1	10–14	16–20	22–26	28–30	32–34	36–40	42	
	100	30	7138	30	06	4DC		91B
	138	158	7139	20	15	4CL3		92B
	158	183	7140	25	09	4A31		93B
	183	200	7141	17	07	5A0	gouge	
	200	208	7142	08	05	5B3	gouge	
	208	228	7143	20	18	4A4		94B
	228	248	7144	20	19	4A4		95B
	248	269	7145	21	13	4A4		
	269	290	7146	21	09	4A4		
	290	315	7147	25	21	4L1		
	315	345	7148	30	25	4A4		96B
	345	370	7149	25	25	4E8		97B
	370	391	7150	21	20	4LG		98B
	391	401	7151	10	09	4L13		99B
	401	412	7152	11	11	4AB		100B
	412	424	7153	12	11	4E0		101B
	424	457	7154	33	32	4EL		102B, 103B
	457	474	7155	17	17	4EB1		104B
	474	494	7156	20	18	4LD		105B
	494	518	7157	24	11	4AB		106B
	518	541	7158	23	18	4AB		107B
	541	564	7159	23	16	4AB		

DDH- FIAGIULF3

6/7

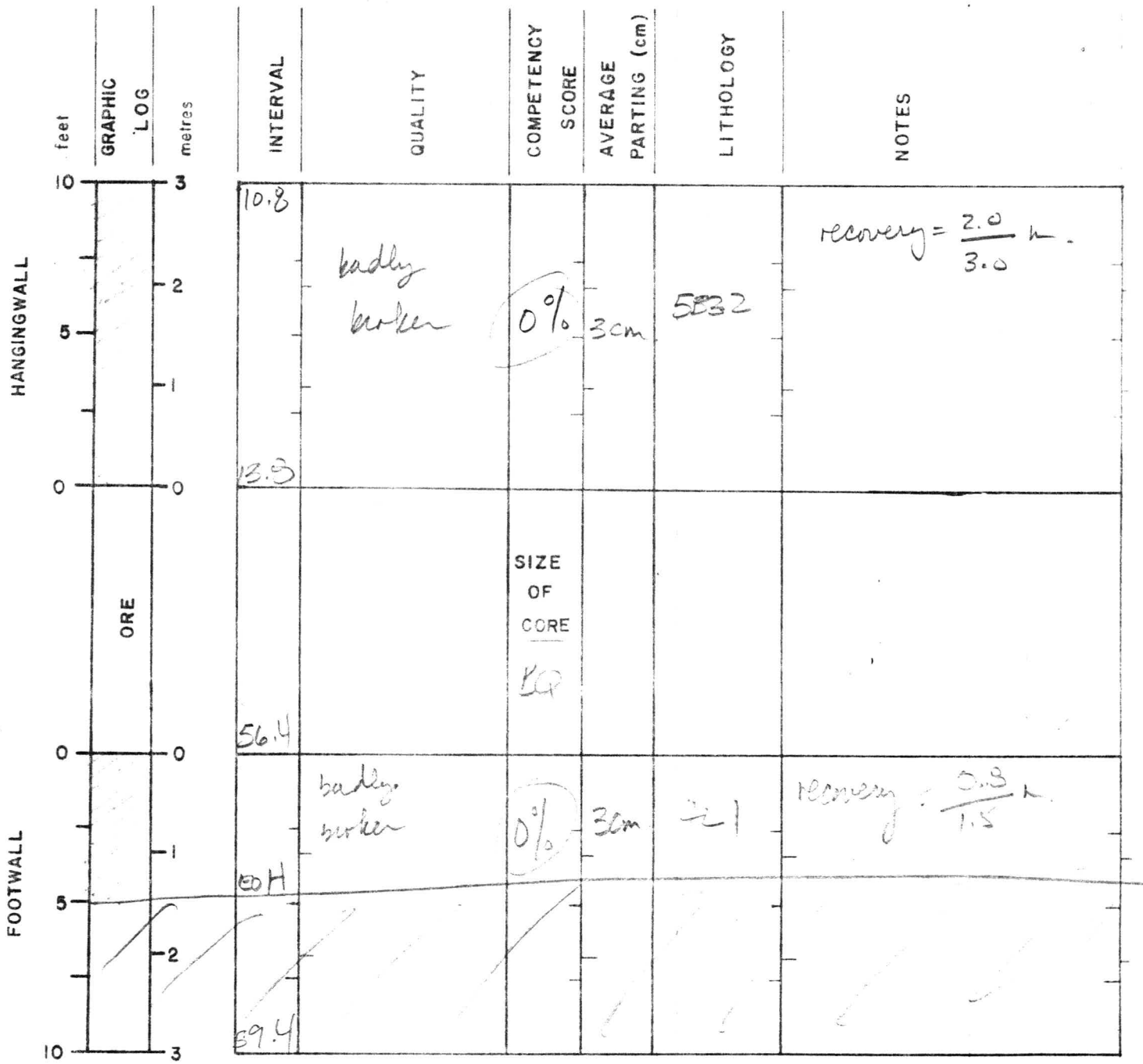
GEOTECHNICAL LOG



DDH- F1AG11173

7/7

GEOTECHNICAL LOG



DDH FAG0173 (2 … 8) Cyprus Anvil Mining Corp. Page ____ of ____

Structural Log Date: ____ Logged By: ____

M

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
F	29	30	X.?					
F	30	46	G					
F	46	75	A	3				
F	183	208	G					
F	290	294	G		55			
F	351	~~325~~	~~D.?~~	3				
F	383	391	D.?					
F	436	457	D.?					
F	485	491	D.?					
F	564	579	BB	5				
F	30	138	BP					

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

DIAMOND DRILL RECORD

LOGGED BY JIM PAXTON

D.D.H. Nº 76-U-173 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE 62W STARTED SEPTEMBER 3, 1976

DEPARTURE 2N COMPLETED SEPTEMBER 4, 1976

ELEVATION PROPOSED DEPTH

ULTIMATE DEPTH 57.9

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR		-53°

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

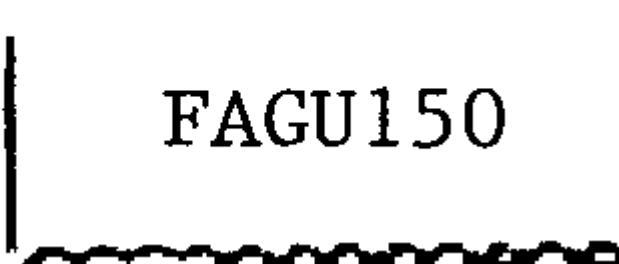
Interval		DESCRIPTION	Py PbZn	Recovery	Sample Nº	Interval		Sample Length	Assay					Assay x		
From	To					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	3.0	MASSIVE SULPHIDE (M).														
		Locally brecciated MXm.	65 10	0.6/3.0	091B	0	3.0	3.0	3.10	7.48	55.54					
3.0	4.6	FAULT GOUGE.														
		Dark gray and graphitic														
4.6	14.3	QUARTZ SERICITE GRAPHITE PHYLLITE (Sg).														
		Dark gray colour. Strong F = 45°.														
		2														
14.3	15.3	MASSIVE BANDED SULPHIDE (MB).														
		Strongly laminated pyritic and sphaleritic bands	50 6	1.0/1.0	092B	14.3	15.3	1.0	0.35	0.80	8.91					
		plus 1mm. laminae of white chert. Banding @ 40°.	20 3	1.4/3.0	093B	15.3	18.3	3.0	0.45	0.70	7.89					
15.3	16.8	GRAPHITIC QUARTZ SULPHIDE (Pg).														
		Strongly laminated (1-3mm.) @ 45°.														

LOGGED BY _____ D.D.H. NO 76-U-173 PAGE 2

Interval From	Interval To	DESCRIPTION		Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
16.8	21.5	FAULT GOUGE.														
		Fragments of graphitic quartz sulphide in black mud.														
21.5	34.5	GRAPHITIC QUARTZ SULPHIDE (Pg).														
		Dark gray colour. Beaded granular texture with strong F														
		foliation @ 45°.	20 2	1.6/1.6	094B	21.3	22.9	1.6	0.23	0.65	5.14					
			20 3	1.4/1.5	095B	22.9	24.4	1.5	0.05	0.38	2.06					
34.5	37.5	MASSIVE SULPHIDES (MI).	20 3	1.4/1.5		24.4	25.9									
		Fine grained pyritic sulphide with sounded 2-5cm.	20 5	1.0/1.0	096B	33.5	34.5	1.0	0.10	0.08	4.11					
		inclusions of wall rock. Contacts sharp @ 45°.				34.5										
			80 6	1.9/2.1	097B		36.6	2.1	1.25	0.25	21.26					
			60 10	1.5/1.5	098B	36.6	38.1	1.5	1.70	1.40	22.29					
37.5	38.5	BLEACHED SERICITE (Sb).	20 5	1.5/1.5	099B	38.1	39.6	1.5	1.63	1.25	17.14					
			15 3	1.5/1.5	100B	39.6	41.1	1.5	0.05	0.13	4.11					
38.5	39.2	BRECCIA OF PYRITE IN A QUARTZ (MXp) PYRITE GROUNDMASS.	75 5	1.6/1.6	101B	41.1	42.7	1.6	0.55	0.33	15.09					
			75 8	1.5/1.5	102B	42.7	44.2	1.5	1.60	1.33	28.46					
			30 5	1.5/1.5	103B	44.2	45.7	1.5	2.40	2.00	47.31					
39.2	41.1	QUARTZ GRAPHITE PYRITE PHYLLITE (G-P).	75 10	1.5/1.5	104B	45.7	47.2	1.5	0.50	0.28	14.06					
41.1	48.8	MASSIVE SULPHIDE (MI).														
		Fine grained pyritic sulphides with rounded	20 5	1.6/1.6	105B	47.2	48.8	1.6	1.03	0.75	21.26					
		inclusions of sericite, quartz, and bleached sericite.	30 5	1.5/1.5	106B	48.8	50.3	1.5	1.35	1.55	19.20					

LOGGED BY _____ D.D.H. NO 76-U-173 PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
			0.0/1.5		50.3	51.8		GROUND CORE							
		20 8	1.5/2.2	107B	51.8	54.0	0.28	0.38	8.23						
48.8	53.5	GRAPHITIC PHYLLITE (G).													
		F = 10°.													
		2													
53.5	54.0	MASSIVE SULPHIDE (MI).													
		Similar to previous section. Could perhaps be (S-GXm).													
54.0	56.4	GRAPHITIC PHYLLITE (G).													
		Dark gray colour. Quartz and graphite with scattered streaks													
		of pyrite. F = 45°.													
		2													
		8.0cm. of very fine grained Massive Pyrite at 56.0-56.1.													
56,4	57.9	BLEACHED SERICITE (Sb).													
		Sheared and crumbly. F = 60°.													
		2													
	57.9	END OF HOLE.													


FAGU150

DRILL HOLE : FAGU150

NORTHING : 905,082.4

EASTING : 592,136.0

ELEVATION : 1,105.0

TOTAL DEPTH : 152.4

SECTION : W 80

R.F.E. : S2

RFE DIRECTION: 230

PLUNGE ANGLE : 11

PLUNGE DIRECT: 312

DHD CALC: 1

SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 24

NOS DOWN-H-SURVEYS: 3

NOS DOWN-H-LITHOLOGY: 37

NOS DOWN-H-STRUCTURE: 42

NOS DOWN-H-FAULTS: 4

NOS DOWN-H-SPLINES: 3

NOS COMPOSITES: 0

DDH: FAGU150 UTM-N: 905,082.4 UTM-E: 592,136.0 UTM-ELEV: 1,105.0 TOTAL DEPTH: 152.4 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTHS FROM	DEPTHS TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	2.1	07847	2.1	1.2	4A4	3.23	.06	5.50	8.17	73.00		1.37	1	6	7						
2.1	4.1	07848	2.0	2.0	4A4	2.99	.04	2.40	3.66	36.00		.82		5	5						
4.1	6.1	07849	2.0	2.0	4A0	3.17	.05	1.57	.69	24.00		1.30		11	11						
6.1	7.8	07850	1.7	1.7	4A0		.06	1.41	.38	30.00											
7.8	9.8	08201	2.0	2.0	4A0		.08	.57	.31	20.00											
9.8	11.8	08202	2.0	2.0	4A0		.14	.54	.28	20.00											
11.8	12.1	08203	.3	.3	5D4		.02	.19	.28	13.00											
12.1	14.7	08204	2.6	2.6	4A0	2.99	.05	.43	.86	17.00		.55	2	6	9						
14.7	16.1	08205	1.4	1.4	4A0	3.12	.10	1.46	2.50	31.00		1.03		9	10						
16.1	17.6	08206	1.5	1.5	4A0	3.17	.08	.82	1.29	24.00		1.44		11	12						
17.6	17.9	08207	.3	.3	4C0	2.99	.04	.56	.72	18.00		1.71		7	8						
17.9	19.8	08208	1.9	1.9	4A4	2.98	.03	2.77	3.10	39.00		.75		4	5						
19.8	22.2	08209	2.4	2.4	4A0	3.17	.05	1.70	3.00	33.00		.82	1	9	10						
22.2	24.4	08210	2.2	2.2	4A0	3.16	.09	1.19	2.20	28.00	24.00	1.58		24	25						
24.4	26.1	08211	1.7	1.7	4A4	3.52	.08	4.82	7.00	70.00		1.30	1	14	15						
26.1	27.1	08212	1.0	.9	4CE0	4.01	.30	.84	.61	36.00		2.33		26	27						
27.1	28.8	08213	1.7	1.7	4E4	4.66	.26	4.51	4.90	80.00		2.40	1	18	20						
28.8	31.5	08214	2.7	2.7	4E4	4.64	.07	4.61	10.40	90.00		1.30	2	12	15						
47.8	49.5	08215	1.7	1.5	4G0		.02	2.26	4.80	41.00											
92.5	94.5	90263	2.0	.0	4A0			1.53	2.78		23.30										
137.5	138.7	08216	1.2	1.2	4EG4	4.34	.12	6.04	9.30	103.00		1.92	1	22	23						
138.7	139.6	08217	.9	.9	4D4	3.90	.04	10.30	20.70	165.00		2.06	2	8	10						
139.6	140.2	08218	.6	.3	4D46	3.86	.05	3.70	7.20	52.00		1.17	1	15	16						
140.2	141.6	08219	1.4	1.4	4E46	4.57	.07	2.20	6.30	37.00		1.51	1	28	29						
WEIGHTED AVERAGE																					
.0	31.5		31.5	30.5		2.77	.08	2.21	3.25	40.82	1.67	1.00		9	10						
47.8	49.5		1.7	1.5			.02	2.26	4.80	41.00											
92.5	94.5		2.0	.0				1.53	2.78		23.30										
137.5	141.6		4.1	3.8		4.25	.07	5.32	10.47	86.60		1.70	1	20	21						

DDH: FAGU150 UTM-N: 905,082.4 UTM-E: 592,136.0 UTM-ELEV: 1,105.0 TOTAL DEPTH: 152.4 SECTION: 4 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	163.500	218.300
61.000	165.500	217.000
121.900	174.500	203.000

DDH: FAGU150 UTM-N: 905,082.4 UTM-E: 592,136.0 UTM-ELEV: 1,105.0 TOTAL DEPTH: 152.4 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
11.8	0001	4A0	&4 [->4C5]	0.0	1
12.1	0002	5D4	->5D4@	0.0	1
17.6	0003	4A0	->4C5	0.0	1
17.9	0004	4C0	SERICITIC	0.0	1
26.1	0005	4A0	&4 [->4C5]	0.0	1
27.1	0006	4C0	->4E1, 4C5 AT TOP	0.0	1
28.8	0007	4E4		0.0	1
29.0	0008	5C4*		0.0	1
31.5	0009	4E4	POROUS (4G4)	0.0	1
47.2	0010	3G9	&3&$ (5A &3&$)	0.0	1
49.5	0011	4G0		0.0	1
55.2	0012	3G9	&3&$ (5A &3&$)	0.0	1
56.6	0013	4L0		0.0	1
64.2	0014	3G9	&3&$ (5A &3&$)	0.0	1
65.3	0015	4L0		0.0	1
74.1	0016	5B0	(5D0) MINOR	0.0	1
75.0	0017	5D0		0.0	1
76.8	0018	5B0		0.0	1
78.5	0019	5B23		0.0	1
92.9	0020	5B0	(5B20)	0.0	1
94.5	0021	4A0		0.0	1
115.0	0022	5B0	(5B$)	0.0	1
116.3	0023	4A0		0.0	1
120.5	0024	5B0	(4A0) (5D4*)MINOR	0.0	1
121.5	0025	4A0		0.0	1
121.9	0026	5D4*	&3	0.0	1
131.1	0027	5B0		0.0	1
137.5	0028	5B%6	(3G0 &9)	0.0	1
138.7	0029	4E4	(4G0)(10Q0) 45:45:10	0.0	1
139.6	0030	4D4	BXA [4J1]	0.0	1
140.2	0031	4D46	[4G41]	0.0	1
141.6	0032	4E46		0.0	1
143.2	0033	5B6	[3G0]	0.0	1
143.9	0034	4L0		0.0	1
148.7	0035	5B62	[3G9]	0.0	1
150.2	0036	5D0		0.0	1
152.4	0037	5B20	VANGORDA	0.0	1

DDH: FAGU150 UTM-N: 905,082.4 UTM-E: 592,136.0 UTM-ELEV: 1,105.0 TOTAL DEPTH: 152.4 SECTION: W 80
RFE: S2 RFE DIP: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU150	0.0	2.5	CS2		0	0	0	0	75	230	C	1	0	0
FAGU150	0.0	7.6	CS2		0	0	0	0	64	230	C	1	0	0
FAGU150	0.0	12.1	CS2		0	0	0	0	65	230	C	1	0	0
FAGU150	0.0	16.8	CS2		0	0	0	0	75	230	C	1	0	0
FAGU150	0.0	22.7	CS2		0	0	0	0	70	230	C	1	0	0
FAGU150	0.1	26.1	CS2	M	0	0	0	0	65	230	C	1	0	0
FAGU150	0.0	28.9	PS2		0	0	0	0	59	230	C	1	0	0
FAGU150	26.1	31.5	PS2	P	0	0	0	0	0	0	C	1	0	0
FAGU150	0.0	35.2	CS2		0	0	0	0	64	230	C	1	0	0
FAGU150	0.0	39.6	CS2		0	0	0	0	71	230	C	1	0	0
FAGU150	0.0	45.8	CS2		0	0	0	0	74	230	C	1	0	0
FAGU150	31.5	47.8	CS2	Z	0	0	0	0	0	0	C	1	0	0
FAGU150	47.5	49.5	PS2	P	0	0	0	0	62	230	C	1	0	0
FAGU150	49.5	50.6	CS2	S	0	0	0	0	0	0	C	1	0	0
FAGU150	0.0	54.9	CS2		0	0	0	0	56	230	C	1	0	0
FAGU150	0.0	59.4	CS2		0	0	0	0	66	230	C	1	0	0
FAGU150	0.0	65.5	CS2		0	0	0	0	43	230	C	1	0	0
FAGU150	50.6	68.2	CS2	Z	0	0	0	0	0	0	C	1	0	0
FAGU150	68.2	70.4	CS2	S	0	0	0	0	66	230	C	1	0	0
FAGU150	0.0	74.7	CS2		0	0	0	0	67	230	C	1	0	0
FAGU150	70.4	77.5	CS2	Z	0	0	0	0	0	0	C	1	0	0
FAGU150	0.0	80.8	PS2		0	0	0	0	58	230	C	1	0	0
FAGU150	0.0	85.3	PS2		0	0	0	0	69	230	C	1	0	0
FAGU150	77.5	88.4	PS2	P	0	0	0	0	0	0	C	1	0	0
FAGU150	0.0	89.9	CS2		0	0	0	0	74	230	C	1	0	0
FAGU150	0.0	94.5	CS2		0	0	0	0	73	230	C	1	0	0
FAGU150	0.0	99.1	CS2		0	0	0	0	82	230	C	1	0	0
FAGU150	88.4	102.9	CS2	Z	0	0	0	0	0	0	C	1	0	0
FAGU150	102.9	105.4	CS2	S	0	0	0	0	77	230	C	1	0	0
FAGU150	0.0	109.7	CS2		0	0	0	0	73	230	C	1	0	0
FAGU150	105.4	115.5	CS2	Z	0	0	0	0	79	230	C	1	0	0
FAGU150	0.0	120.4	CS2		0	0	0	0	75	230	C	1	0	0
FAGU150	115.5	124.5	CS2	S	0	0	0	0	85	230	C	1	0	0
FAGU150	124.5	128.0	CS2	D	0	0	0	0	0	0	C	1	0	0
FAGU150	0.0	129.5	PS2		0	0	0	0	75	230	C	1	0	0
FAGU150	0.0	135.6	PS2		0	0	0	0	77	230	C	1	0	0
FAGU150	128.0	137.5	PS2	P	0	0	0	0	0	0	C	1	0	0
FAGU150	0.0	140.5	PS2		0	0	0	0	44	230	C	1	0	0
FAGU150	0.0	144.8	PS2		0	0	0	0	73	230	C	1	0	0
FAGU150	137.5	148.8	PS2	P	0	0	0	0	0	0	C	1	0	0
FAGU150	0.0	150.6	CS2		0	0	0	0	81	230	C	1	0	0
FAGU150	148.8	152.4	CS2	Z	0	0	0	0	0	0	C	1	0	0

DDH: FAGU150 UTM-N: 905,082.4 UTM-E: 592,136.0 UTM-ELEV: 1,105.0 TOTAL DEPTH: 152.4 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	REC CD	PARLL	UPPER PLANE		INTERNAL PLANE		LOWER PLANE		DHD
FAGU150	31.0	31.5	X			0	0	0	0	0	3	1
FAGU150	31.5	36.6	XPF	3		0	0	0	0	0	3	1
FAGU150	138.7	139.6	D?			0	0	0	0	0	3	1
FAGU150	139.6	140.2	1D?			0	0	0	0	0	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U150

Project: GRUM RE-LOG

Location: VANGORDA PLAT.

Claim: _____

UTM ~~Terr. Plane~~ Co-ords.: 6,905,082.4 N

592,136.0 E

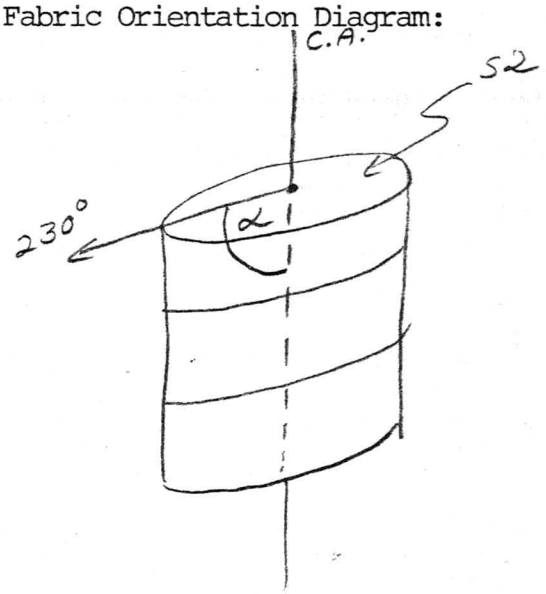
Grid Co-ords.: 80W/~2N

_____

Elevation: 1105.0

Total Depth: 152.4m.

Fabric Orientation Diagram:



All symmetry determinations looking

NW with 52 dipping

SW with dip azimuth 230°.

Purpose: _____

Re-Logged by: DJH. Date(s) Logged: _____

Drilling Contractor: _____

Core:	Size	From	To	Collar Cased and Capped:
	BQ	0	152.4	

Started: 18/8/76 Completed: 21/8/76

Cyprus Anvil Mining Corp.

Diamond Drill Core Log

DDH 76-U-150

Code	Drillhole	Elevation	Northing	Easting	Comments
	2 8	10 16	17 24	25 32	34 48
T	76-U-150	1105.0	9050824.4	5921361.0	METRES

change to 218.3 to correspond to True North instead of UTM North JCP-July '83

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	76-U-150	0.0	163.5	216.7	ATCOLLAR
R	76-U-150	61.0	165.5	217.0	SPERRY SUN
R	76-U-150	121.9	174.5	203.0	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	
R		.	.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and/or Lewd Suggestions
1	2 8	10 47

DDH 76-11 (2 of 8)

Cyprus Anvil Mining Corp.
Lithologic Log

Logged By: DJH

Code	From (m)	To (m)	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	111.10	111.18	11	4IA10	weakly graphitic → grey muscovitic
L	111.18	112.1	12	4IL10 (5D4)	w/ minor mariposite; → 5D43 ($Fe, Mg CO_3$)
L	112.1	117.6	13	4IA10	as unit 1; → 4C5 locally
L	117.6	117.9	14	4IC10	white "cherty" qtz. sericitic
L	117.9	121.61	15	4IA10	as units 1 & 3
L	121.61	121.71	16	4IC10	~70% sdes (mainly py) grading to 4E1 4C5 @ TOI
L	121.71	121.88	17	4IE14	reddish sph
L	121.88	121.90	18	4IL10 (5D4*)	w/ minor mariposite
L	121.90	131.5	19	4IE14	w/ some 4G4 locally; minor bxia @ lower ct. w/ graphitic matrix. (4E4 porous)
L	131.5	141.78	110	5IA10	→ 5B26 locally → Bxia + poor recovery 31.5-36.6
L	141.78	141.95	111	4IG14	honey sp
L	141.95	151.52	112	5IA11	→ 5A0 locally 15/5.0m FAULT
L	151.52	151.56	113	4IL10	sharp cts
L	151.56	161.42	114	5IA10	→ 5B2 along int.
L	161.42	161.53	115	4IL10	
L	161.53	171.41	116	5IB10	w/ minor 5D3
L	171.41	171.50	117	5ID13	
L	171.50	171.68	118	5IB10	
L	171.68	171.85	119	5IA13	
L	171.85	191.29	210	5IB10	± biotite rich zones; 10 cms 5D3 @ lower ct 91.4-92.9 = 5B20
~~L~~	~~191~~	111	1	11	
L	191.29	191.45	211	4IA10	
L	191.45	111.50	212	5IB10	
L	111.50	111.63	213	4IA10	fold nose of 4L w/ mariposite @ 115.5
L	111.63	112.05	214	5IB10	w/ minor 4A0 & 4L0 (w/ minor mariposite
L	112.05	112.15	215	4IA10	
L	112.15	112.19	216	5ID14	→ 5D43
L	112.19	113.11	217	5IB10	
L	113.11	113.75	218	5IB6	360? 5B*dol. 131.1 – 134.1; 360 134.1 – 448'; 369 – 448'
L	113.75	113.87	219	4IE6	50:50 4E0 : 460 w/ 10% 090
L	113.87	113.96	310	4ID14	qtzite bxia. w/ mass sph infillings high grade to sphe
L	113.96	114.02	311	4ID10	minor bxia honey sp + some barite [4D48 or 4G4]
L	114.02	114.16	312	4IE14	~~reddish sph~~ sph rich lams orange-honey [4E46]
L	114.16	114.52	313	5IB6	360?
L	114.52	114.59	314	4IL0	
L	114.59	114.87	315	5IB2	→ 5B26 or 369

DDH 76-U-150

Cyprus Anvil Mining Corp.

Lithologic Log

Logged By: DJH

Code	From	To	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
	1148.7	1150.2	316	5D13	
	1150.2	1152.4	317	51B12	→ 5B23 ✓
		EOH			
					Daryl's log good!

5DO
B20
eOv

DDH 76-U-150 (2 / 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: DJH

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		125	CIS12			7152310	M region 0.0 - 26.1 m
S		176	CIS12			6142310	
S		1121	CIS12			6152310	
S		1168	CIS12			7152310	
S		1227	CIS12			7102310	
S		1261	IF12	M		6152310	R region 26.1 - 31.5
S		1289	PIS12			5192310	
S		1315	IF12	R			Z region 31.5 - 47.8
S		1352	CIS12			6142310	
S		1396	CIS12			7112310	
S		1458	CIS12			7192310	
S		1478	IF12	Z			R region 47.8 - 49.5
S		1495	IF12	R		6122310	S region 49.5 - 50.6
S		1506	IF12	E			Z region 50.6 - 68.2
S		1549	CIS12			5162310	
S		1594	CIS12			6162310	
S		1655	CIS12			4132310	
S		1682	IF12	3			S region 68.2 - 70.4
S		1704	IF12			6162310	Z region 70.4 - 77.5
S		1747	CIS12			6172310	
S		1775	IF12	Z			PS2 region 77.5 - 88.4
S		1808	CIS12			5182310	
S		1853	PIS12			6192310	
S		1884	IF12	P			Z region 88.4 - 102.9
S		1899	CIS12			7142310	
S		1945	CIS12			7132310	
S		1991	CIS12			8122310	
S		1012 9	IF12	3			S region 102.9 - 105.4
S		1054	IF12	E		7172310	Z region 105.4 - 115.5
S		1097	CIS12			7182310	
S		1155	IF12	3		7192310	S region 115.5 - 124.5
S		1204	CIS12			7152310	
S		1245	IF12	S		8152310	D.D. region 124.5 - 128.0
S		1280	IF12	D			PS2 w/ minor ZBS 128.0 - 137.
S		1295	PIS12			7152310	
S		1356	PIS12			7172310	

DDH 76-U150 (2 / 8)

Cyprus Anvil Mining Corp.
Structural Log

Logged By: DJH

Code	From	To	Feature	Sym	S_1 Dip Direct.	S_2 Dip Direct.	Description
1	10 14	16 20	22 24	26	28 32	34 38	
S		1/1375	1F12	P			R region 137.5 – 141.6
S		1/1410 5	PS12			414 2310	
S		1/1416	1F12	R			PS2 region 141.6 – 148.8
S		1/1448	PS12			713 2310	
S		1/1488	1F12	P			Z region 148.8 – 152.4
S		1/1506	CS12			81 2310	
S		1/1524	1F12	Z			
		1E10H					

DDH 76-UL-50 (12 / 8)

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

Logged By: DJH

Sampled By: K.A

Code	From	To	Sample No.	Description	Length	Rec.	Unit
1	10 14	16 20	22 27				
P	100	130	141198	K.A.	3.0	1.9	4AO
P	130	161	141199	"	3.1	2.3	4AO
P	161	191	142010	"	3.0	2.6	4AO
P	191	1122	142011	"	3.1	3.1	4AO
P	1122	1152	142012	"	3.0	3.0	4AO
P	1152	1183	142013	"	3.1	3.0	4AO
P	1183	1213	142014	"	3.0	2.9	4AO
P	1213	1229	142015	"	1.6	1.6	4AO
P	1229	1244	142016	"	1.5	1.3	4AO
P	1244	1259	142017	"	1.5	1.4	4AO
P	1259	1274	142018	"	1.5	1.4	4CO
P	1274	1290	142019	"	1.6	1.2	4E4
P	1290	1315	142110	"	2.5	2.3	4E4
P	1475	1494	142111	"	1.9	1.9	464
P	1925	1945	142112	"	2.0	1.3	4AO
P	13172	13187	142113	"	1.5	1.5	4E6
P	13187	14002	142114	"	1.5	1.5	4D4
P	14002	14117	142115	"	1.5	1.5	4E4

80W — Logged in 1980, Checked for sampling 1981

DDH EAGW150 Cyprus Anvil Mining Corp

Page ____ of ____

Logged by DJH, checked by JSM

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

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION	
1	10 14	16 20	22 26	28 30	32 34	36 40	42	
P	00	21	78417	21	12	4A01		#1
P	21	41	78418	20	20	4A01		#1
P	41	61	78419	20	20	4A01		#1
P	61	78	78450	17	17	4A01		#1
P	78	98	82101	20	20	4A01		#1
P	98	118	82102	20	20	4A01		#1
P	118	121	82103	03	03	5D41		#2
P	121	147	82104	26	26	4A01	(4C5)	#3
P	147	161	82105	14	14	4A01	(4C5)	#3
P	161	176	82106	15	15	4A14	(4C5)	#3
P	176	179	82107	03	03	4C01		#4
P	179	198	82108	19	19	4A01		#5
P	198	222	82109	24	24	4A01		#5
P	222	244	82116	22	22	4A01		#5
P	244	261	82111	17	17	4A01		#5
P	261	271	82112	10	09	4C01	(4E1) (4C5)	#6
P	271	288	82113	17	17	4E14	(4E1 porous)	#7
P	288	315	82114	27	27	4E14	(4E46 → 4G4) (#8 28.8-29.0 5C4X)	#9
P	478	495	82115	17	15	4G14		#11
P	13755	13877	82116	12	12	4E01		#29
P	13877	13996	82117	09	09	4D14		#36
P	13996	14002	82118	06	03	4D46	[4G41]	#31
P	14002	14116	82119	14	14	4E46		#32
							units #23 + 25 not sampled, very low grade	

C.A.M.C. 1981 - E - 5

DDH FAG.U.150 Cyprus Anvil Mining Corp. Page _____ of _____

Structural Log Date: _____ Logged By: _____

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	131 0	131 5	X					bxia
	131 5	136 6	X P F 3					" & poor recy 1.5/5.0m ⇒ fault
	1387	1396	D?					bxia (qtz vn)
	1396	1410	D?					minor bxia

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

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO D.D.H. Nº 76-U-150 PAGE 1

PROPERTY GRUM JOINT VENTURE

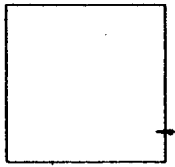
LATITUDE 10,880.398 80W STARTED AUGUST 18, 1976

DEPARTURE 7,445.206 2N + 21m remuck station COMPLETED AUGUST 21, 1976

ELEVATION 1,112.592 PROPOSED DEPTH 500' - 152.40m

ULTIMATE DEPTH - 152.40m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	218° 15'	73° 29'
60.9m	217°	-77°
121.9	202°	-84°



CLAIM Nº

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 88%

Interval From	Interval To	DESCRIPTION			Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	26.4	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent.	25	6	1.9	4198	0	3.0	3.0	3.78	5.00	41.49					
		Foliation F_2 = 80-85°; F_1 = 0-5°. Sulfides in both	25	6	2.3	4199	3.0	6.1	3.1	2.30	1.83	25.37					
		foliation.	20	4	2.6	4200	6.1	9.1	3.0	1.04	0.35	16.11			1.39	PbZn	
		10.8; 12.1; 12.2: Po band. Following F_2 foliation.	20	3	3.1	4701	9.1	12.2	3.1	0.65	0.35	13.03			1.00	PbZn	
		11.8-12: Bleached phyllite. Laminated fuchsite and	20	2	3.0	4702	12.2	15.2	3.0	0.40	0.63	6.17			1.03	PbZn	
		felsic minerals. Contacts sharp and clean	30	6	3.0	4703	15.3	18.3	3.1	1.65	2.23	20.23			5.12	6.91	62.71
		= 85°. NOTE: Series of F_2 noses. Drill appear perenldicular to F_2.	25	3	2.9	4704	18.3	21.3	3.0	2.23	2.35	26.40			6.69	7.05	79.2
		26.4: Gradual widening of sulfide bands. Rx be-	30	5	1.6	4705	21.3	22.9	1.6	1.70	3.80	20.23			2.72	6.08	32.37
		coming massive in nature (M).	30	7	1.3	4206	22.9	24.4	1.5	1.20	1.85	17.14			1.80	6.08	25.71
			35	8	1.4	4207	24.4	25.9	1.5	5.19	7.49	70.63			7.79	11.24	105.95
26.4	31.5	MASSIVE SULFIDE (M) W/SHORT POROUS SULFIDE VARIETY (MV)	60	8	1.4	4208	25.9	27.4	1.5	1.20	1.10	30.17			1.80	1.65	45.26
		Hard, dense and brittle. Compositional banding =	75	10	1.2	4209	27.4	29.0	1.6	4.60	5.10	71.66			2.30	2.55	35.83
		75-80°.	75	10	2.3	4710	29.0	31.5	2.5	6.52	9.90	110.1			16.30	24.75	275.15
		28.8-29.1: Bleached phyllite. Prominent fuchsite laminae				W.Av.	0	6.1	6.1	3.03	3.39	36.7					
		alternating with felsic and thin sulfide laminae.				W.Av.	6.1	15.2	9.1	1.14	PbZn						
		Foliation = 70-75°. First contact sharp and				W.Av.	18.3	22.9	4.6	2.05	2.85	24.3			9.41	13.13	111.57
		clean, = 85°; second contact = 70°.				W.Av.	27.4	31.5	4.1	5.77	8.03	95.08			23.66	32.91	389.81
						W.Av.	24.4	27.4	3.0	3.20	4.30	50.4					
						W.Av.	28.5	31.5	3.0	6.20	9.10	103.66			18.60	27.30	310.98

LOGGED BY _____ D.D.H. NO 76-U-150 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		31-31.2: Sulfide bx Ø = 1mm-1cm cemented by graphite.													
		31.5: Sharp contact with graphitic phyllite (G). Contact													
		bx'ted and marked by 2cm of bleached phyllite with													
		fuchsite.													
31.5	57.9	GRAPHITIC PHYLLITE (G). Broken, very fissile ground.	14.7		31.5	47.5	16.0								
		Foliation F_2 = plane of fissility = 85-90°; F_1 = 0-10°.													
		Sporadic sulfides - leaf Py with F_1 foliation.													
		33.5-37: Pebbles. Poor recovery: F_2 0.5/3.5. No gouge.													
		47.5-49.4: Mineralized interval with barite in ground 35 8	1.9	4711	47.5	49.4	1.9	4.88	10.51	91.89			9.27	19.97	174.59
		mass (Pb) - not massive, but interlamination of	7.9		49.4	57.9	8.5								
		sulfide/barite ruch bands. Foliation = 80-85°.													
		Mineralization appears to follow F_2. No F_1			47.5	50.5	3.0	3.09	6.66	58.20					
		development noted. Contacts clean and sharp = 80													
		55.2-55.4: Bleached phyllite. Buff. Foliation = 65-70°.													
		First contact broken ground; second contact													
		sharp and clean = 75°.													
		54.0: Changing F_2 = 70-75°; F_1 = 5-10°.													
		57.9: Rx changing to graphitic sericite phyllite (SG).													

LOGGED BY _____ D.D.H. NO 76-U-150 PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
57.9	65.5	GRAPHITIC SERICITE PHYLLITE (SG). Fissile easily breaks into poker chips. Foliation = 75-80°; no well defined F_1 noted except at 62 = 0-2°. 65.5: Rx slowly changing to calcitic-chloritic sericite phyllite. Decreasing graphitic laminae.	7.3		57.9	65.5	7.6								
65.5	92.9	CALCITIC-CHLORITIC SERICITE PHYLLITE (Sc+K). Competent. Dark gray with green laminae (chlorite). Foliation F_2 = 75-80°; F_1 = 5-10°. Calcite as thin laminae in both F_1 and F_2. 77.3-78: Calcitic graphitic interval. Contacts are gradual with introduction of graphitic laminae. Foliation = 75-80°. 85.3-86.9: With fine laminae bio laminae. 86.9: Decreasing chlorite laminae but calcite is still present. Foliation = 85-90°; F_1 = 0-5°. 92.9: Sharp contact with mineralized graphitic phyllite (PG) Contact marked by 3.5cm by calcitic-chloritic bleached phyllite. Contact plane = 90°.	27.0		65.5	92.5	27.0								
92.9	94.5	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. Foliation F_2 = 75°; F_1 = 0-5°. Sulfides as thin laminae 20 4	1.3	4712	92.5	94.5	2.0	1.53	2.78	23.31			3.06	5.56	46.62

LOGGED BY _____ D.D.H. NO 76-U-150 PAGE 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		93-93.5: Series of small F_1 fold closures.													
		94.5: Abrupt change to Calcitic sericite phyllite. Contact marked by thin laminae of buff sericite and has 5cm long interval. Contact plane = 85°.			92.5	95.6	3.1	0.99	1.79	15.04					
94.5	115.8	CALCITIC SERICITE PHYLLITE (SK). Competent. Foliation = 85-90°; F_1 = 0-5°. Calcite as thin laminae parallel to F_1 and as S-shaped folds marking F_2.	20.5		94.5	115.8	21.3								
		115: Fold nose. Closure characterized by chloritic bleached phyllite surounded by Sph rich band with blebs of Po.													
		115.8: Increasing graphitic laminae. Rx becoming K-graphitic sericite phyllite (SK+G).													
115.8	137.2	CALCITIC-GRAPHITIC SERICITE PHYLLITE (SK+G). Competent. Foliation = 75-80°; F_1 = 5-10°. Graphite as thin laminae, calcite marking F_1. Graphite: 15%, K: 30%.	10.7		115.8	137.2	11.4								
		120-120.5: Bleached phyllite. Competent. Greenish-chloritic. Foliation = 80°. Contacts sharp and clean = 85°.													
		121-121.1: Massive Py band. Contact = 85°. Py: 80 PbZn: Trace.													

LOGGED BY _____ D.D.H. NO 76-U-150 PAGE 5

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		121.3-121.9: Bleached phyllite. Chloritic, calcitic.													
		Foliation = 80°. Contacts = 85°. Light green													
		stripes with buff to white groundmass.													
		137.2: Abrupt change to Massive sulfide. Contact is wavy													
		and marked by 2cm wide mineralized bleached phyllite													
		Plane of contact = 80° approximately.													
137.2	141.6	MASSIVE SULFIDE ZONE. Banded and with quartz inclu- 60 7	1.5	4713	137.2	138.7	1.5	2.08	4.10	31.20			3.12	6.15	46.80
		sions varities (MB+MIq). Compositional bands = 80°. 75 12	1.5	4714	138.7	140.2	1.5	9.19	16.37	143.3			13.79	24.56	214.98
		75 8	1.5	4715	140.2	141.7	1.5	2.60	6.26	46.29			3.90	9.39	69.44
		140.5-141: Calcite in groundmass.													
		141.6: Abrupt change to Graphitic phyllite (G). Contact		W.Av.	137.2	141.7	4.5	4.62	8.91	73.60			20.81	40.10	331.22
		wavy approximately = 75° and with 1cm bleached		W.Av.	138.7	141.7	3.0	5.90	11.32	94.81			17.69	33.95	284.42
		phyllite transitional zone.													
141.6	143.3	GRAPHITIC PHYLLITE (G). Competent. Foliation = 75°.	1.6		141.7	143.3	1.6								
		F = 5-10°. Sporadic Py/Po blebs = 1%.													
		143.3: Gradual decrease in graphitic constituent. Rx be-													
		coming graphitic sericite phyllite (SG).													
143.3	152.4	GRAPHITIC SERICITE PHYLLITE (SG). Competent. Has short	8.6		143.3	152.4	9.1								
		bleached phyllite interval. Foliation = 70-75°; F = 0-5°.													

LOGGED BY _____ D.D.H. NO 76-U-150 PAGE 6

Interval From	Interval To	DESCRIPTION	Recovery	Sample NO	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay R Pb	Assay R Zn	Assay R Ag
		Sporadic Po blebs = 1%.													
		145-146: Bleached phyllite. Contacts gradual. Foliation F_2 = 65-70°. No clear F_1 developed. Has 5cm wide Po band at 145.7.													
		148.8-149.9: Gradual change to Calcitic bleached phyllite with thin biotite laminae. F_2 = 75°; F_1 = 0-5°													
		149.9-152.4: Calcite persisting in groundmass. Rx is (SG+K) with fine calcite laminae both in F_2 and F_1. F_2 = 85-90°; F_1 = 0-5°.													
	152.4	END OF HOLE.													

DDH: FAGU150 -- 132 DEGREE PROFILE

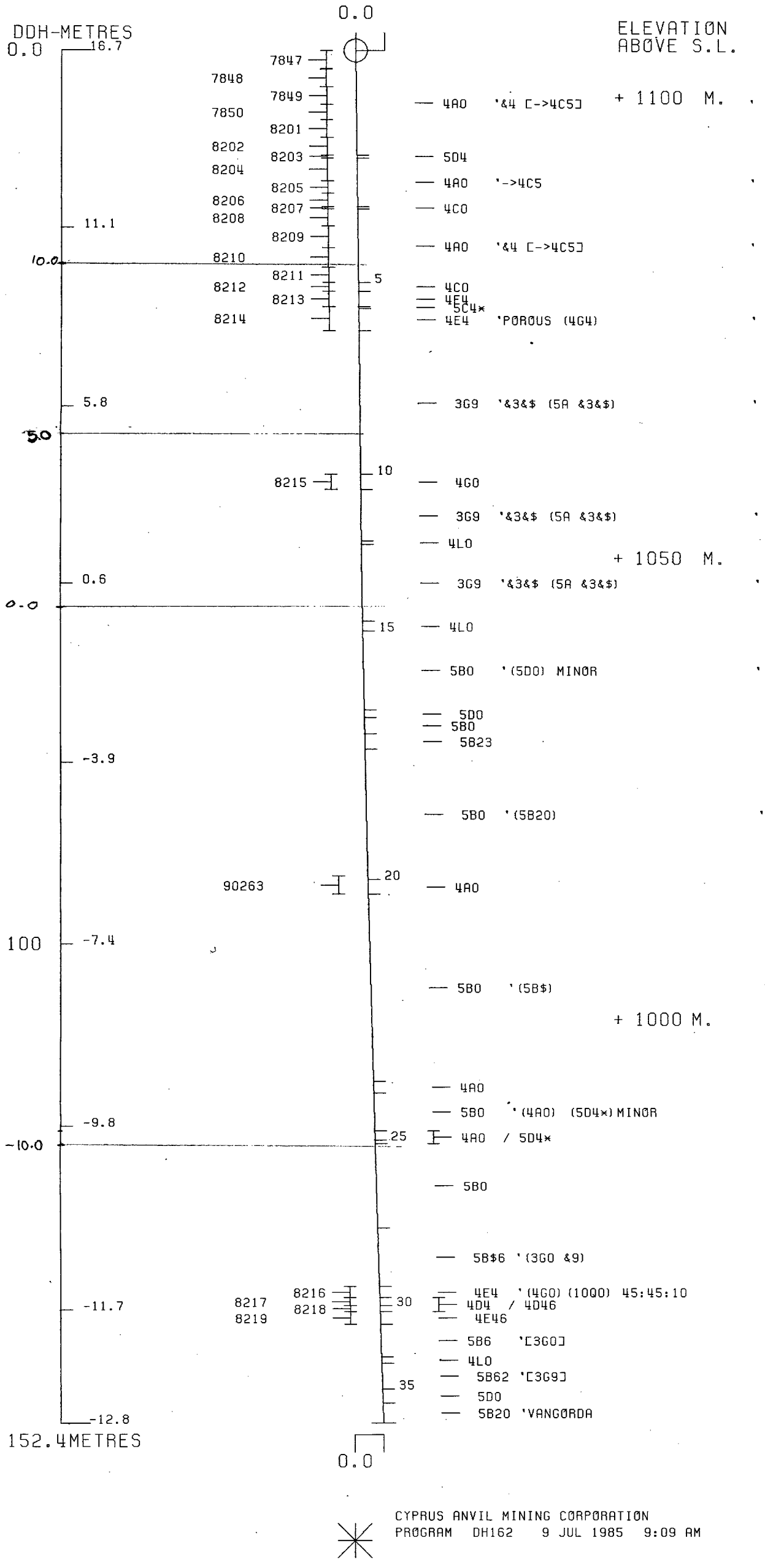
(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1105 592136E ; 905082N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 272.4 Z = 1105.0

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION

PROGRAM DH162 9 JUL 1985 9:09 AM

DDH: FAGU150 -- 132 DEGREE PROFILE

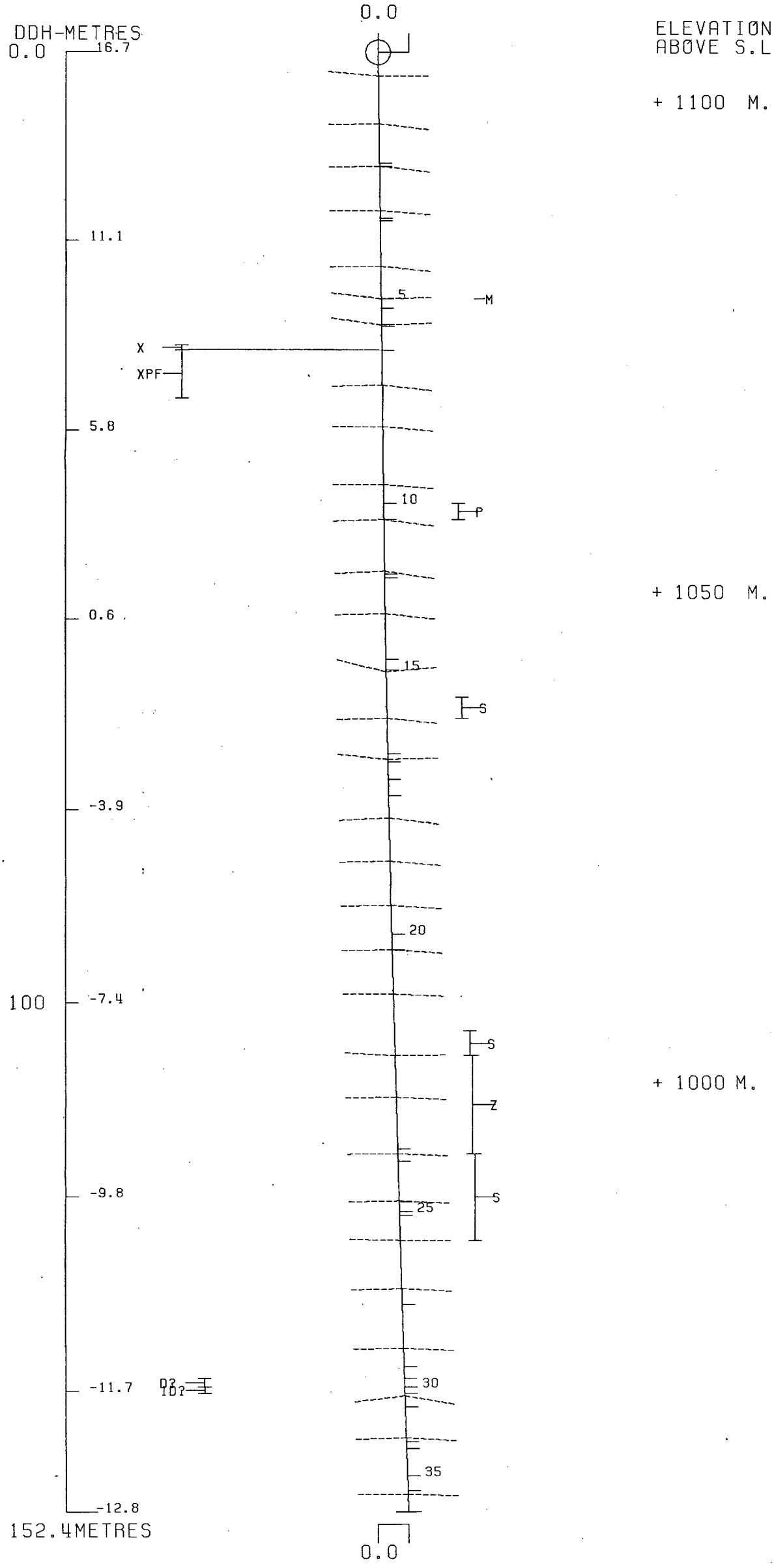
(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1105 592136E ; 905082N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 272.4 Z = 1105.0

SECTION NAME: 02N



CYPRUS ANVIL MINING CORPORATION

PROGRAM DH161 8 JUL 1985 4:13 PM