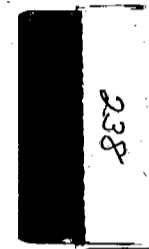


Grum
Section 78W
2 of 3

014985



DRILL HOLE : FAGA238
NORTHING : 905,227.0
EASTING : 592,355.1
ELEVATION : 1,300.7
TOTAL DEPTH : 132.0
SECTION : W 78
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: 12
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 24
NOS DOWN-H-STRUCTURE: 14
NOS DOWN-H-FAULTS: 19
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

17NOV83 GRUM

ORE SAMPLES & ASSAYS (DHQ20)

PAGE: 20

DDH: FAGA238 UTM-N: 905,227.0 UTM-E: 592,355.1 UTM-ELEV: 1,300.7 TOTAL DEPTH: 132.0 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----												
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %
48.5	49.9	12770	1.4	1.0	4C5	3.06	.01	.23	.33	7.99									
49.9	51.6	12771	1.7	1.6	4C5	3.06	.05	.81	1.94	20.00		.20	9	1	11				
51.6	54.5	12772	2.9	2.0	4C5	3.08	.08	.61	1.60	15.99		.20	8		9				
54.5	56.5	12773	2.0	2.0	4C5	3.02	.08	.56	1.62	15.99		.34	9		10				
56.5	58.5	12774	2.0	1.8	4C5	3.08	.07	.54	1.88	17.00		.34	8		9				
58.5	61.3	12775	2.8	2.2	4C5	2.98	.05	.99	1.96	21.00		.47	4		5				
61.3	63.3	12776	2.0	1.9	3G14		.02	.20	.31	6.00									
63.3	65.8	12777	2.5	2.3	3G14		.08	.77	1.44	15.99									
65.8	67.8	12778	2.0	2.0	4L14		.05	.62	.88	13.00									
67.8	69.9	12779	2.1	1.9	4L14		.04	.68	.84	13.99									
89.3	89.9	12780	.6	.6	4E4#		.14	5.50	10.09	130.00									
96.2	98.8	12781	2.6	1.1	4A4	2.95	.01	2.35	4.79	46.00		.14	1		2				
WEIGHTED AVERAGE																			
48.5	69.9		21.4	18.7		1.62	.05	.63	1.34	15.13		.17	4		4				
89.3	89.9		.6	.6			.14	5.50	10.09	130.00									
96.2	98.8		2.6	1.1		2.95	.01	2.35	4.79	46.00		.14	1		2				

17NOV83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 21

OOH: FAGA238 UTM-N: 905,227.0 UTM-E: 592,355.1 UTM-ELEV: 1,300.7 TOTAL DEPTH: 132.0 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
39.600	178.000	85.000
79.200	175.000	123.000
125.000	172.000	119.000

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DM020)

PAGE: 22

ODH: FAGA238 UTM-N: 905,227.0 UTM-E: 592,355.1 UTM-ELEV: 1,300.7 TOTAL DEPTH: 132.0 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
38.7	0001		#	0.5-	1
48.5	0002	5B62	8\$	0.5-	1
61.3	0003	4C5		0.5-	1
65.8	0004	3G14	6 [4C5] (4A0)	0.5-	1
69.9	0005	4L14		0.5-	1
71.3	0006	3G14	6 [4C5]	0.5-	1
89.3	0007	3G0\$	(10Q08\$)	0.5-	1
89.9	0008	4E4#	(4A4) 60:40	0.5-	1
92.3	0009	5D4\$	->4L2 (10Q08\$)	0.5-	1
96.2	0010	5A19	GOUGE	0.5-	1
98.8	0011	4A4		0.5-	1
102.1	0012	5A\$	(5D4\$) 85:15	0.5-	1
111.8	0013	5B62	\$ (5D4\$) 98:02	0.5-	1
114.9	0014	5A6\$	(5B26\$) AT T.O.I. GOUGE	0.5-	1
115.7	0015	5A69	8\$	0.5-	1
116.4	0016	5B2\$		0.5-	1
116.9	0017	5D4\$		0.5-	1
118.3	0018	5B2\$	(10Q0)	0.5-	1
126.2	0019	5D0	(5D4\$) AT TOI 80:20	0.5-	1
126.4	0020	5B29		0.5-	1
127.2	0021	4L14		0.5-	1
127.7	0022	5B26	9	0.5-	1
128.3	0023	5B26	9 (10Q0)	0.5-	1
132.0	0024	5D\$	80 MINOR	0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 23

DDH: FAGA238 UTM-N: 905,227.0 UTM-E: 592,355.1 UTM-ELEV: 1,300.7 TOTAL DEPTH: 132.0 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGA238	0.0	51.2	CS2		0	0	0	0	0	68	230	0	1	1	1			1
FAGA238	0.0	53.8	CS2		0	0	0	0	0	62	230	0	1	1	1			1
FAGA238	0.0	57.8	CS2		0	0	0	0	0	75	230	0	1	1	1			1
FAGA238	0.0	62.4	CS2		0	0	0	0	0	75	230	C	1	1	1			1
FAGA238	0.0	70.8	CS2		0	0	0	0	0	68	230	0	1	1	1			1
FAGA238	0.0	74.2	CS2		0	0	0	0	0	75	230	0	1	1	1			1
FAGA238	0.0	84.2	PS2	P	0	0	0	0	0	70	230	0	1	1	1			1
FAGA238	0.0	91.4	PS2	P	0	0	0	0	0	60	230	0	1	1	1			1
FAGA238	0.0	96.5	CS2		0	0	0	0	0	78	230	0	1	1	1			1
FAGA238	0.0	105.7	CS2		0	0	0	0	0	70	230	C	1	1	1			1
FAGA238	0.0	109.4	CS2		0	0	0	0	0	70	230	C	1	1	1			1
FAGA238	0.0	118.8	CS2		0	0	0	0	0	70	230	C	1	1	1			1
FAGA238	0.0	122.4	CS2		0	0	0	0	0	80	230	0	1	1	1			1
FAGA238	0.0	128.8	CS2		0	0	0	0	0	60	230	0	1	1	1			1

17NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 24

DDH: FAGA238 UTM-N: 905,227.0 UTM-E: 592,355.1 UTM-ELEV: 1,300.7 TOTAL DEPTH: 132.0 SECTION: W 78
 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	
FAGA238	43.0	45.4	NP				0	0	0	0	1
FAGA238	47.0	47.2	G				0	0	99	999	1
FAGA238	47.9	48.1	G				99	999	0	0	1
FAGA238	48.6	48.8	G				99	999	0	0	1
FAGA238	38.7	51.5	BG	3			0	0	0	0	1
FAGA238	59.1	63.1	GB	2			99	999	0	0	1
FAGA238	0.0	65.4	G				0	0	99	999	1
FAGA238	68.0	68.1	G				99	999	0	0	1
FAGA238	0.0	68.7	G				0	0	99	999	1
FAGA238	69.9	71.3	1B				0	0	0	0	1
FAGA238	71.9	72.1	G				99	999	0	0	1
FAGA238	89.9	92.3	B				0	0	0	0	1
FAGA238	92.3	96.2	G3F				99	999	99	999	1
FAGA238	96.2	111.8	B				0	0	0	0	1
FAGA238	111.8	114.9	G	3			0	0	99	999	1
FAGA238	114.9	116.4	B				0	0	0	0	1
FAGA238	116.9	118.3	BGF	2			0	0	99	999	1
FAGA238	127.7	128.3	MC	1			0	0	0	0	1
FAGA238	128.3	132.0	1CM				0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 25

DDH: FAGA238 UTM-N: 905,227.0 UTM-E: 592,355.1 UTM-ELEV: 1,300.7 TOTAL DEPTH: 132.0 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA238	1	2
FAGA238	2	2
FAGA238	3	2
FAGA238	4	1

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 8

Date: 20 July 82

Hole Number: FAG A 238

Reference Fabric Orientation Diagram:

Project: GRUM

Location: VANGORDA PLATEAU

Claim: GRUM #2

UTM Terr. Plane Co-ords.: 905 226.954 N
CAME Mine Survey 592 355.092 E

Grid Co-ords: 78W

11N

Elevation: 1300^{.69} m

Total Depth: 132.0 m

Purpose: to test steep NE limb of F₁ fold (on-Doal Lk)

Reason hole Terminated: tested target, drilling difficulties

Logged by: DSJ/GAJ

Date(s) Logged: 20 July 82

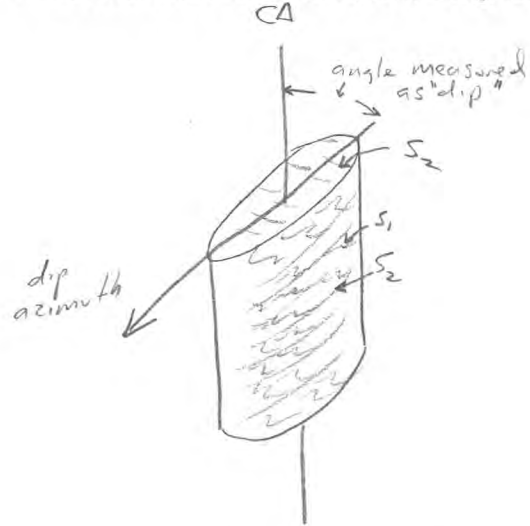
Drilling Contractor: Arctic D.D.

Size	CORE From	To	Collar Cased and Capped:
<u>NW</u>	_____	_____	<u>no</u>
<u>NQ</u>	_____	_____	
_____	_____	_____	

Hole Cemented: no

Steel down hole: None

Started: _____ Completed: _____



All symmetry determinations looking

NW with S₂ dipping

Surface = 270°

SW with dip azimuth 230.

DDH FAG.A.238
2 8

Diamond Drill Core Log

Date: 20 July 82 Logged By: DST/GAT

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.
I	2	8 10	16 17	24 25	32 34	39 41 42
T	FAG.A.238	113100.7	9195227.0	592355.1	METERS	5.2

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments	
I	2	8 10	14 22	26 28	32 34	56
R	FAG.A.238	1000	180.0	99.0	A.T. COLLAR	
R	FAG.A.238	396	178.0	085.0		
R	FAG.A.238	792	175.0	123.0		
R	FAG.A.238	1250	172.0	119.0		

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
I	2	8 10
C	FAG.A.238	SURFACE DIPI LINE AZIMUTH $\approx 127.0^\circ$

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		00		1387						1	*	overburden poor recovery -
		387		485						2	SIBGR	* dolo as minor component - interval broken and gouged through - poor recovery 43.0-45.4m interval. 3-3.5 m recovered over interval. gouge at 47.0-47.2 upper shallow but not 11S ₂ lower = 11
												47.9-48.1 upper sub 11S ₂ lower = ind
L		485		613						3	4C51	light grey moderately phyllitic gyzide with sulphides disseminated or uniformly distributed through with pronounced absence of banded or more massive sulphides save sulphides transposed into S ₂ folia → suggests may have sulphides of replacement origin or weakly carbonaceous phyllitic 4C - not clearly exhalative in origin - absence of strong sulfide banding most disturbing feature. Unit broken and gouged 5m top 3m and bottom 2m 3-4% Pb+Zn gouges at 48.6-48.8 = upper 11S ₂ (artifact?) lower sub 11S ₂ = shales rating 20-25°
												59.1-63.1 (approx 1m core recovery) upper crudely 11S ₂ but anastomosing across S ₂ lower = ind some steep internal gouge, overall S ₂ 11
L		613		658						4	3G146	[4C5] (4A0) unit medium to dark grey (wet) showing zones of pervasive silica development in part obliterating banded texture of minor 4A0 - interval may be silicification overprint on 4A0 or represent gradational boundary to 4A0 - unit intact - unit not entirely good comfortable exhalative material

Lithologic Log

Date: _____ Logged By: _____

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
L	658	699						5	4K14		2cm gauge at 65.4 // S ₂ 1.5% Pb+Zn light buff grey strongly silfide banded with py gal sphal evenly dissimilated through it 68.0-68.1 = gauge upper, lower // S ₂ 1-2% Pb+Zn 2cm S ₂ // gauge at 68.0
L	699	713						6	3G146 [4C5]		similar to unit 4 - questionable exhalite origin interval broken and incipiently S ₂ // gauged locally but no major gauges. 2% Pb+Zn
L	713	893						7	3GP* (0.00±*)		unit medium grey CS, foliated with lighter S ₂ folia containing buff dolomite giving local speckled or mottled texture to dolomite bands. dolomite minor component - good 3G interval largely intact one gauge zone at 71.9-72.1 upper ~ S ₂ // lower 1W
L	893	899						8	4E4*		calc. (4A4) 60:40 4E4 occurs top 2m of interval and is incip. banded and qtz CO ₂ veined 10% Pb+Zn
L	899	923						9	5D4*		"fuch" → 4L2 (0.00±*) interval broken and incip. S ₂ gauged through generally good recov, no major core loss
L	923	962						10	5A19		gauge and broken core through upper // S ₂ interval mainly // S ₂ with local aberrations lower = 1W Major fault with prominent 4E4 and 4A7 clasts at 92.3-92.7 and 95-95.3
L	962	988						11	(4A0)		interval broken and blocky through, no gauge - no major core loss - good S ₂ banding suggest exhalative origin 2-3% Pb+Zn

4A4 see assays

Code	From	To	Recoy.	No.	Unit	Description				
10	14	16	20	22	24	26	28	30	34	35
L	1028	1021	1118	113	5B62	*dolo. (SD4*) 98:2 interval broken core loss - some excellent thin SD4 bands - even thick remaining fine in SD4 core blackly through minor 000 hairline veins probably related to underlying calc - good recovery dolo. (5B2*) gauge upper maybe 11.5 but > interval gauge fabric and frags imply shallow well fault - lower 1ND - upper 2 gauge 15.5B2 lower 2 is 5A6 about 1m gauge recovered over 3m interval *dolo. 9-py in 5, foliaceous siliceous lamina dolo. broken core through, no major core loss broken and incip 5.11 gauge. (090) dolo. - broken core and gauge through upper floor = 1ND interval fabric suggests 5.6115 INTERVAL FAULT n. 3m recovered (SD4*) upper portion (to 119.9) is SD4* remaining - 15.500 - unit intact and having 6 dark gray siltite bearing phyllite with red bin sphae as easily formations 11.5 1-2% py 2n with 3-10 cm siliceous bands containing py sphae minor gae. 11.5 evenly distributed over interval. "Soilment" 14 bands may have been 1-2% py 2n 5B269 1272 1272 22 5B269 1272 23 5B269 (090) ground core and mistle 1272 1272 23 5B269 (090) ground core and mistle				

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

DDH FASA 238
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: _____ Logged By: _____

Code	From				To				Recov.				No.				Unit	Description
	10	14	16	20	22	24	26	28	30	34	35							
L	112	13			132	0												50* dolo ± 0 (minor) pore partly ground due to mislatch
																		132.0 = E04

DDH EAG, 238
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: 20 July 82 Logged By: DST/GAT

Code	From				To				Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂		Description
	10	14	16	20	22	24	26	28				32	34	
S				512	CS2							68		not 230°
S				538	CS2							62		
S				578	CS2							75		
S				624	CS2							75		
S				708	CS2							68		
S				742	CS2							75		
S				842	INDP							70		
S				914	INDP							60		
S				965	CS2							78		
S				1057	CS2							70		
S				1094	CS2							70		
S				1188	CS2							70		
S				1224	CS2							80		
S				1288	CS2							60		

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 14 16 20		22 26 28 30	32 34 36	40 42		
P	485	497	12770	14	10	4CS	
P	499	516	12771	17	16	4CS	
P	516	545	12772	29	20	4CS	340
P	545	565	12773	20	20	4CS	
P	545	585	12774	20	18	4CS	
P	585	613	12775	28	22	4CS	
P	613	633	12776	20	19	3G114	6 [4CS] (4A0)
P	633	658	12777	15	23	3G114	6 [4CS] (4A0)
P	658	678	12778	20	20	4L14	
P	678	699	12779	18	19	4L14	
P	893	899	12780	106	06	4E4*	
P	962	988	12781	26	11	4A0	

FAULT

DDH F.A.G.A. 238
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F	1318	7	1511	5	BIG	3							broken & gauged - poor recovery - 35%
F	1413	0	1415	4	NIP								triconed
F	1417	0	1417	2	G					919	919	919	upper shallow but not // S ₂
F	1417	9	1418	1	G		919	919					lower contact IND
F	1418	6	1418	8	G		919	919		919	919	919	lower contact - slicks rate 20-25°
F	1519	1	1631	1	G/B	2	919	919					25% recovery Lower cnt IND some steep internal gauge
F			1615	4	G				919	919			2cm gauge // S ₂
F	1618	0	1618	1	G		919	919		919	919		
F			1618	7	G				919	919			2cm // S ₂ gauge
F	1619	9	1711	3	B								broken and incipient // S ₂ gauge, no major gauges
F	1711	9	1721	1	G		919	919					gauge zone, lower contact IND
F	1819	9	1912	3	B								broken + incipient S ₂ gauges throughout
F	1912	3	1916	2	G/F		919	919	919	919			Major fault / clasts of 4A0 & 4E4 in gauge / lower contact IND
F	1916	2	1111	8	B								broken & blocky - no gauge - no core loss
F	1111	8	1114	9	G	3			919	919			gauge - shallow approx. // S ₂ / lower cnt IND, 33% recovery
F	1114	9	1116	4	B								broken, no major core loss, incip S ₂ // gauge
F	1116	9	1118	3	B/G/F	2			919	919			broken core & gauge / upper & lower contacts IND major fault
F	1121	7	1121	8	M	1							ground core & mismatch 16% recovery
F	1121	8	1131	2	M								core partly ground due to mismatch.

DDH: FAGA238 -- 42 DEGREE PROFILE

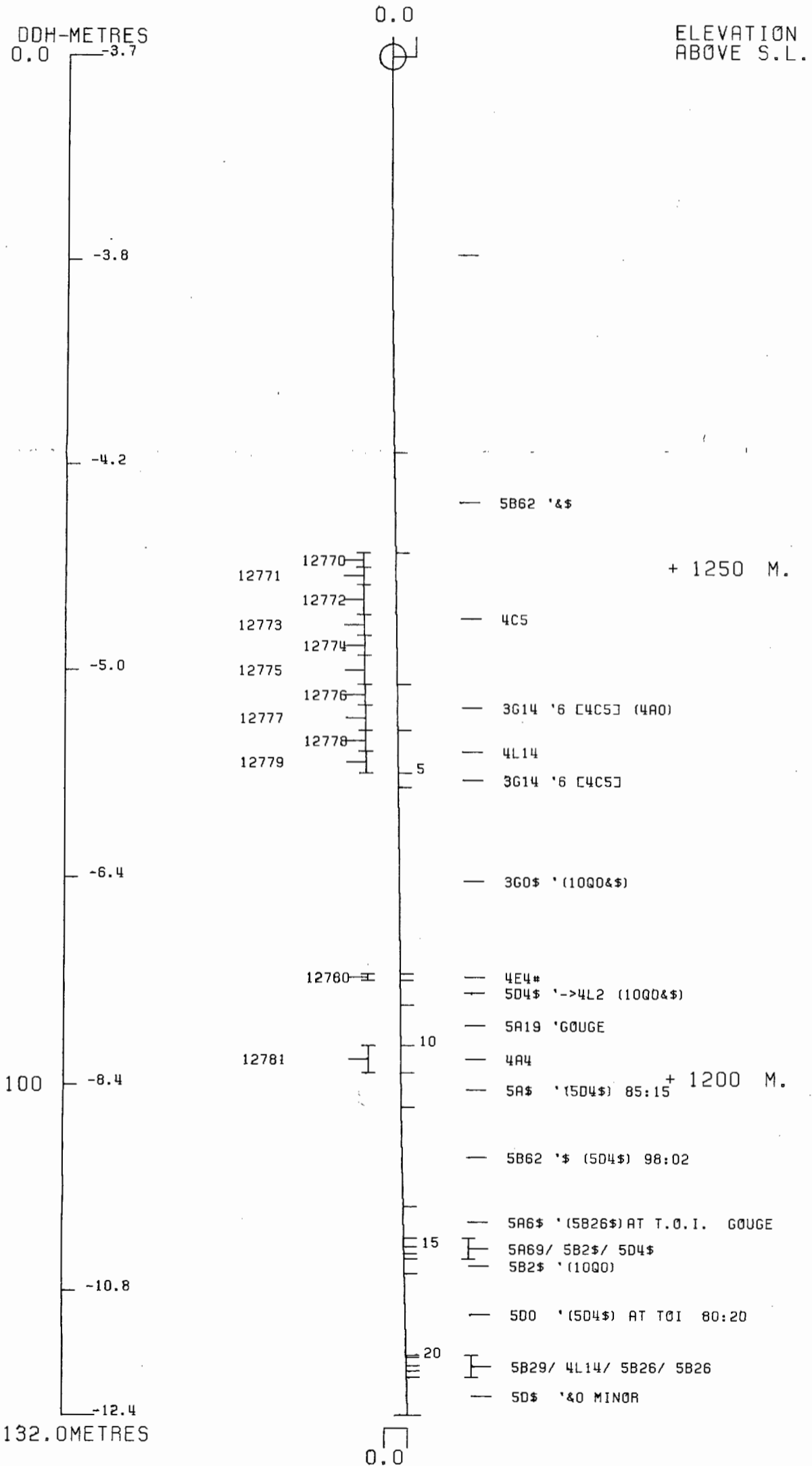
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1301 592355E ; 905227N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 706.7 Z = 1300.0

SECTION NAME: 78W



DDH: FAGA238 -- 42 DEGREE PROFILE

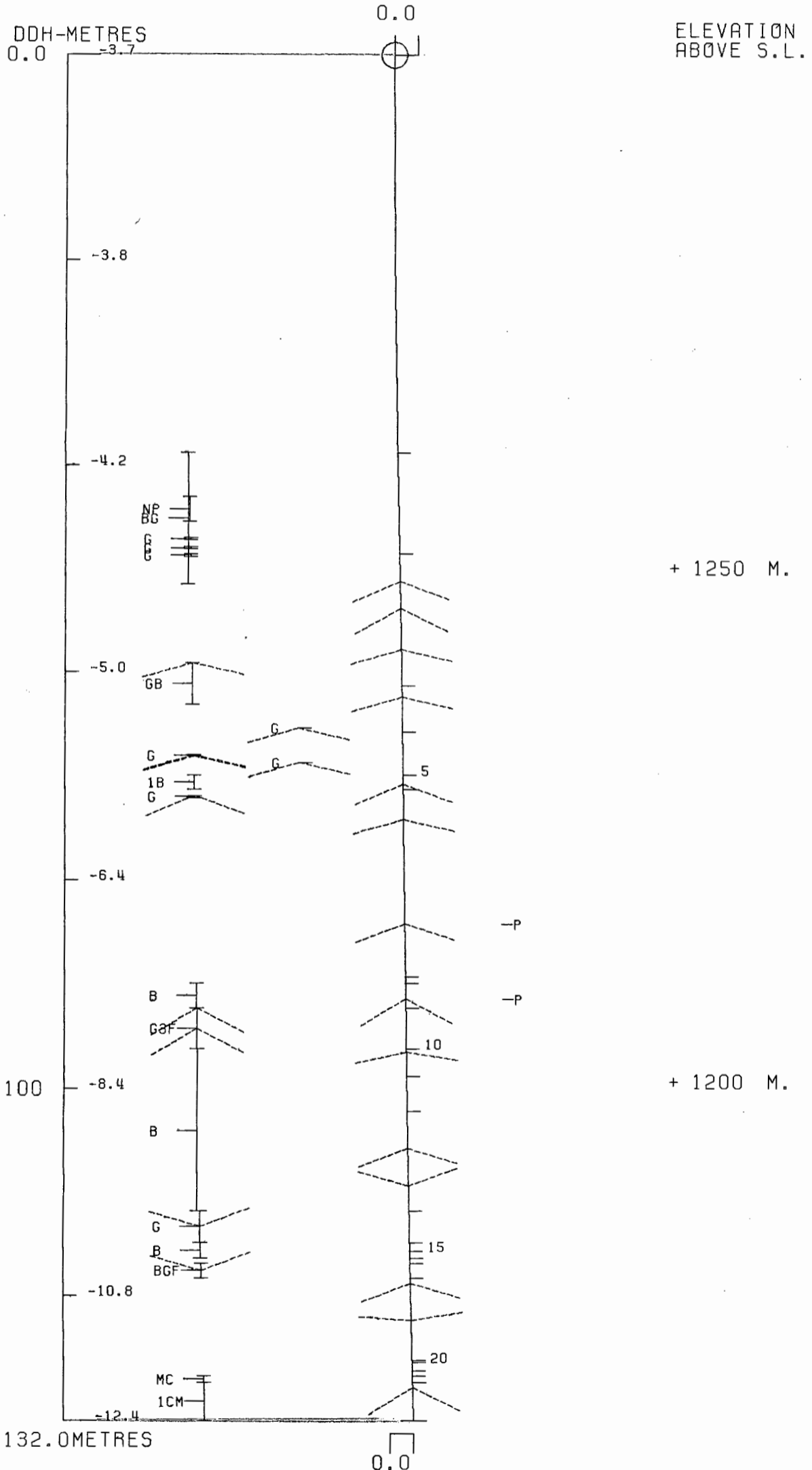
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1301 592355E ; 905227N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 706.7 Z = 1300.0

SECTION NAME: 78W



FAGA D13

DRILL HOLE : FAGADL3
NORTHING : 904,904.8
EASTING : 592,056.6
ELEVATION : 1,296.0
TOTAL DEPTH : 102.7
SECTION : W 78
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 0
NOS DDWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 21
NOS DOWN-H-STRUCTURE: 26
NOS DOWN-H-FAULTS: 1
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

25NOV83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 2

DDH: FAGADL3 UTM-N: 904,904.8 UTM-E: 592,056.6 UTM-ELEV: 1,296.0 TOTAL DEPTH: 102.7 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

25NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 3

DDH: FAGADL3 UTM-N: 904,904.8 UTM-E: 592,056.6 UTM-ELEV: 1,296.0 TOTAL DEPTH: 102.7 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMO CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.9	0001	#		0.5-	1
8.8	0002	5B2C		0.5-	1
9.5	0003	5D0		0.5-	1
10.7	0004	5B0	(5D0)	0.5-	1
11.5	0005	5C0		0.5-	1
12.5	0006	5B01	(5C0?) 80:20	0.5-	1
16.8	0007	5B0		0.5-	1
17.0	0008	5C0		0.5-	1
54.0	0009	5B02		0.5-	1
76.9	0010	5A0	(5B2) LOCALLY	0.5-	1
81.9	0011	5A01	(5D0) (5B2) BOTH LOCALLY	0.5-	1
82.3	0012	5D1		0.5-	1
94.6	0013	5A0	->(5B2) LOC ALLY	0.5-	1
95.4	0014	5A0	GOUGE	0.5-	1
96.6	0015	5B6		0.5-	1
98.0	0016	5D6		0.5-	1
98.8	0017	5D16		0.5-	1
99.3	0018	5C0		0.5-	1
100.2	0019	5D6		0.5-	1
102.5	0020	5C0	ZEBRA-ROCK (5D0)	0.5-	1
102.7	0021	5B6		0.5-	1

25NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 4

DDH: FAGADL3 UTM-N: 904,904.8 UTM-E: 592,056.6 UTM-ELEV: 1,296.0 TOTAL DEPTH: 102.7 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHOC	SDC	PROCESS
FAGADL3	0.0	6.9			0	0	0	0	71	230	C		1	1	1
FAGADL3	0.0	12.5			0	0	0	C	70	230	0		1	1	1
FAGADL3	0.0	17.4			0	0	0	C	64	230	0		1	1	1
FAGADL3	0.0	22.3			0	0	0	0	75	230	0		1	1	1
FAGADL3	0.0	28.4			0	0	0	C	72	230	0		1	1	1
FAGADL3	0.0	32.6			0	0	0	0	77	230	0		1	1	1
FAGADL3	0.0	35.7			0	0	0	0	90	230	0		1	1	1
FAGADL3	0.0	41.8			0	0	0	0	80	230	0		1	1	1
FAGADL3	0.0	47.9			0	0	0	0	62	230	0		1	1	1
FAGADL3	0.0	54.0			0	0	0	0	65	230	0		1	1	1
FAGADL3	0.0	57.0			0	0	0	0	80	230	0		1	1	1
FAGADL3	0.0	60.0			0	0	0	0	84	230	0		1	1	1
FAGADL3	0.0	63.1			0	0	0	0	75	230	0		1	1	1
FAGADL3	0.0	66.1			0	0	0	0	80	230	0		1	1	1
FAGADL3	0.0	69.2			0	0	0	0	75	230	0		1	1	1
FAGADL3	0.0	72.2			0	0	0	0	70	230	0		1	1	1
FAGADL3	0.0	75.3			0	0	0	0	80	230	0		1	1	1
FAGADL3	0.0	78.3			0	0	0	0	60	230	0		1	1	1
FAGADL3	0.0	81.4			0	0	0	C	72	230	0		1	1	1
FAGADL3	0.0	84.4			0	0	0	0	70	230	0		1	1	1
FAGADL3	0.0	87.5			0	0	0	0	74	230	0		1	1	1
FAGADL3	0.0	90.5			0	0	0	0	78	230	C		1	1	1
FAGADL3	0.0	93.6			0	0	0	0	78	230	C		1	1	1
FAGADL3	0.0	96.6			0	0	0	0	78	230	0		1	1	1
FAGADL3	0.0	99.7			0	0	0	C	75	230	0		1	1	1
FAGADL3	0.0	102.7			0	0	0	C	60	230	0		1	1	1

25NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 5

DDH: FAGADL3 UTM-N: 904,904.8 UTM-E: 592,056.6 UTM-ELEV: 1,296.0 TOTAL DEPTH: 102.7 SECTION: W 78
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		
FAGADL3	94.6	95.4	G				0	0	C	0	0	1

25NOV83 GRUM

DOWN-HOLE SPLINES (DHQ20)

PAGE: 6

DDH: FAGADL3 UTM-N: 904,904.8 UTM-E: 592,056.6 UTM-ELEV: 1,296.0 TOTAL DEPTH: 102.7 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGADL3 1 1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 08:26:23

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

FAGADL3

Hole Number: 79-DL-3

Fabric Orientation Diagram: _____

Project: _____

Location: VANGORDA PLATEAU

Claim: _____

~~UTM~~ Terr. Plane
Co-ords.: 6904 904.786 N

592056.626 E

Grid
Co-ords.: 78W / ~3+805

All symmetry determinations looking

NW with 52 dipping

Elevation: 1296.005

SW with dip azimuth 230°.

Total Depth: 102.7 meters

Purpose: geotechnical

Logged by: JWM Date(s) Logged: _____

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

plunge angle = 11°

plunge direction = 312°

Started: _____ Completed: _____

Meters

Lith transcribed to '83 format

DDH F.A.G.A.D.L.3
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Lithologic Log

Date: 18 Oct/83 Logged By: _____

Meters	From			To			Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34	35			
L	100			169						1		#		truncated - no core
L	169			188						2		5B210		
L	188			195						3		5D10		
L	195			1107						4		5B10	(5D0)	
L	1107			1115						5		5C10		
L	1115			1125						6		5B101	(5C0?) 80:20	
L	1125			1168						7		5B10		
L	1168			1170						8		5C10		
L	1170			1540						9		5B102		
L	1540			1769						10		5A10	(5B2) locally	
L	1769			1819						11		5A101	(5D0) (5B2) BOTH locally	
L	1819			1828						12		5D11		
L	1828			1946						13		5A10	→ (5B2) locally	
L	1946			1954						14		5A10	GAUGE	
L	1954			1966						15		5B16		
L	1966			1980						16		5D16		
L	1980			1988						17		5D116		
L	1988			1993						18		5C10		
L	1993			110102						19		5D16		
L	110102			110125						20		5C10	FERRA-ROCK (5D0)	
L	110125			110127						21		5B16		
														EOH

Core	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L	100		169		01			triconed - no core.
L	169		188		02	5B2	0	
L	188		195		03	5D3		
L	195		107		0A	5B10	/5D0	interbanded 5D/5B
L	107		115		05	5C10		late "dillowed" SC
L	115		125		06	5B10	1-	Fuschite developed. 12.3-12.5
L	125		168		07	5B0		
L	168		170		08	5C10		
L	170		154		09	5B10	2	typical 5B0 - carbonaceous
L	154		176		10	5A0		increase of carbon over previous interval, locally to 5B2
L	176		181		11	5A10	1	abundant silica sweets over interval, locally interbanded with 5D3, locally to 5B2
L	181		182		12	5D1		
L	182		194		13	5A10		→ 5B2 locally py in S1 folds lens
L	194		195		14			SA gouge zone
L	195		196		15	5B6		
L	196		198		16	5D6		
L	198		198		17	5D1	6	
L	198		199		18	5C10		Fuschite in S2 plane.
L	199		100		19	5D6		
L	100		102		20	5C0		Z.Rk. interbanded 5D.
L	102		102		21	5B6		

005

FAH

FAULT

DDH F.A.G.A.D.L. 3
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: 18 Oct 83 Logged By: _____

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		40
F	1946			1954	G													gauge zone



R.M. HARDY & ASSOCIATES LTD.
CONSULTING ENGINEERING & TESTING

ROCK CORE LOG

PROJECT GRUM DEPOSIT

HOLE LOCATION
3.1S, 78W

LOGGED BY DSC CHECKED DSC DATE OF INVESTIGATION Oct. 1979 JOB NUMBER Q2160 HOLE DL-3

CORE RECOVERY _____ R. Q. D. _____ PERCENT 20 40 60 80 100		DEPTH m	SOIL SYMBOL	CORE RUN	WEATHERING (%)	STRENGTH (S)	DESCRIPTION	REMARKS
		2					This hole was logged for lithology by Jim Mustard of Cyprus Anvil. Selected intervals were logged geotechnically.	
		4					0 - 6.9 m Triconed	
		6					Scale Change	
		6						
		8					5B2	
		10					5D3 5B0, interbedded 5D0	
		12					5C0 5B0, Fuschite: 12.3 - 12.5 m	
		14						



R.M.HARDY & ASSOCIATES LTD.
CONSULTING ENGINEERING & TESTING

ROCK CORE LOG

PROJECT GRUM DEPOSIT

HOLE LOCATION 3.1S, 78W

LOGGED BY DSC

CHECKED

DATE OF INVESTIGATION Oct./79

JOB NUMBER Q2160

HOLE DL-3

CORE RECOVERY _____ R. O. D. _____ PERCENT 20 40 60 80 100		DEPTH m	SOIL SYMBOL	CORE RUN	WEATHERING	STRENGTH (S)	DESCRIPTION	REMARKS
		14						
		16						
		18					5B0 Phyllite, calcareous, graphitic with muscovite	18.3 m: $I_{s50L} = 21.8 \text{ MPa}$
		20						
		22						
		24						23.4 m: U20
		26						
		28						28.5 m: $I_{s50L} = 13.2 \text{ MPa}$ 28.5 m: $I_{s50L} = 22.4 \text{ MPa}$ F2 = 90° 28.9 m: joint, calcite filled, angle to core = 45°
		30						



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CONSULTING ENGINEERING & TESTING

ROCK CORE LOG

PROJECT GRUM DEPOSIT

HOLE LOCATION 3.1S, 78W

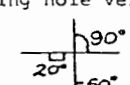
LOGGED BY DSC

CHECKED

DATE OF INVESTIGATION Oct./79

JOB NUMBER Q2160

HOLE DL-3

CORE RECOVERY _____ R. Q. D. _____ PERCENT 20 40 60 80 100		DEPTH m	SOIL SYMBOL CORE RUN	WEATHERING (%)	STRENGTH (S)	DESCRIPTION	REMARKS
[Grid area for core recovery data]							
		30				5B0 as above	30.1 m: U21 30.2 m: U22 30.7 m: U23
		32					
		34					
		36					
		38					37.2 m: $I_{s50L} = 23.9 \text{ MPa}$
		40					
		42					
		44					44.9 m: joint planar rough, assuming hole vertical: 
		46					45 m: $I_{s50L} = 7.1 \text{ MPa}$ 45 m: $I_{s50L} = 29.8 \text{ MPa}$



R.M. HARDY & ASSOCIATES LTD.
CONSULTING ENGINEERING & TESTING

ROCK CORE LOG

PROJECT GRUM DEPOSIT

HOLE LOCATION

LOGGED BY DSC CHECKED DATE OF INVESTIGATION Oct./79 JOB NUMBER Q2160 HOLE DL-3

CORE RECOVERY R. Q. D. PERCENT 20 40 60 80 100	DEPTH m	SOIL SYMBOL CORE RUN	WEATHERING	STRENGTH (S)	DESCRIPTION	REMARKS
	46				5B0 as above	45.3 m : U24
	48					
	50					
	52					
	54				5A0, locally 5B4, phyllite, calcareous, very graphitic	55.0 m : U25
	56					
	58				5B0 as above	
	60					Shiny graphitic partings 60.0 m : $I_{s50 \perp} = 12.3 \text{ MPa}$ 62.0 m : $I_{s50 \perp} = 27.9 \text{ MPa}$
	62					



R.M. HARDY & ASSOCIATES LTD.
CONSULTING ENGINEERING & TESTING

ROCK CORE LOG

PROJECT GRUM DEPOSIT

HOLE LOCATION 3.1S, 78W

LOGGED BY DSC

CHECKED

DATE OF INVESTIGATION Oct./79

JOB NUMBER Q2160

HOLE DL-3

CORE RECOVERY R. O. D. _____ PERCENT 20 40 60 80 100	DEPTH m	SOIL SYMBOL	CORE RUN	WEATHERING	STRENGTH (S)	DESCRIPTION	REMARKS
	62 64 66 68 70 72 74 76					5B0 as above	<p>63.0 m: $I_{s50 \perp} = 44.8$</p> <p>67.6 m: U26 67.9 m: U27 67.8 m: U28</p> <p>70.55 m: $I_{s50 \perp} = 10 \text{ MPa}$</p> <p>71.8 m: $I_{s50 \perp} = 17.6 \text{ MPa}$</p>
	78					5A0 phyllite, calcareous graphitic, quartz veins. Local interbeds of 5D3 and 5B2.	PAGE 5 OF 7



R.M. HARDY & ASSOCIATES LTD.
CONSULTING ENGINEERING & TESTING

ROCK CORE LOG

PROJECT GRUM DEPOSIT
HOLE LOCATION

LOGGED BY DSC CHECKED DATE OF INVESTIGATION Oct./79 JOB NUMBER Q2160 HOLE DL-3

CORE RECOVERY		DEPTH m	SOIL SYMBOL	CORE RUN	WEATHERING	STRENGTH (S)	DESCRIPTION	REMARKS
R. Q. D.	PERCENT							
	20 40 60 80 100	78					5A0 as above	
		80						
		82						81.8 m: $I_{s50 \perp} = 8.5 \text{ MPa}$
		84					5D1 phyllite, laminarily banded, calcareous, chloritic, tuffaceous, siliceous 5A0 phyllite, calcareous, graphitic, locally 5B2, some pyrite in S1 fold hinges.	82.4 m: $I_{s50 \perp} = 21.8 \text{ MPa}$ 82.7 m: $I_{s50 \perp} = 23.7 \text{ MPa}$ 82.75-82.95 m: joint, irregular calcite and epidote filled, angle to CA = 0°.
		86						
		88						87.8 m: U29
		90						
		92						F2 = 90° 90.6: joint, planar rough, angle to CA = 48° 92.8: joint, planar rough, 1 mm calcite infilling, angle to core axis = 0° 90.6 m: $I_{s50 \perp} = 6.9 \text{ MPa}$ 91.0 m: $I_{s50 \perp} = 10.7 \text{ MPa}$ 92.0 m: $I_{s50 \perp} = 9.2 \text{ MPa}$ 93.4 m: $I_{s50 \perp} = 23.9 \text{ MPa}$
		94						



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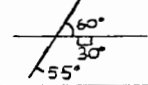
ROCK CORE LOG

PROJECT GRUM DEPOSIT

HOLE LOCATION 3.1S, 78W

LOGGED BY DSC CHECKED DATE OF INVESTIGATION Oct./79 JOB NUMBER Q2160 HOLE DL-3

CORE RECOVERY R. O. D. PERCENT 20 40 60 80 100	DEPTH m	SOIL SYMBOL	CORE RUN	WEATHERING	STRENGTH (S)	DESCRIPTION	REMARKS
	94					5A0 as above	
						Gouge in 5A	U30A Gouge U30B Gouge U30C Gouge U30D Gouge
	96					5B6 phyllite, muscovite and chlorite	
						5D6 phyllite, laminarly banded, chloritic, tuffaceous	
	98					5D1, phyllite, as above, calcareous, siliceous	98.5-98.75: joints (3) parallel to foliation, planar to curved, smooth, some sericite and chlorite, some powdery gouge (<1 mm) angle to CA = 55° to 30° 98.5 I _{s50} = 17.9 MPa 98.8: joint, planar smooth, some talcy infilling
						5C0 metabasite	
	100					5D6 as above	
						5C0 metabasite, some interbedded 5D	
	102					5B6 as above	
	104					End of Hole at 102.7 m	



DDH: FAGADL3 -- 42 DEGREE PROFILE

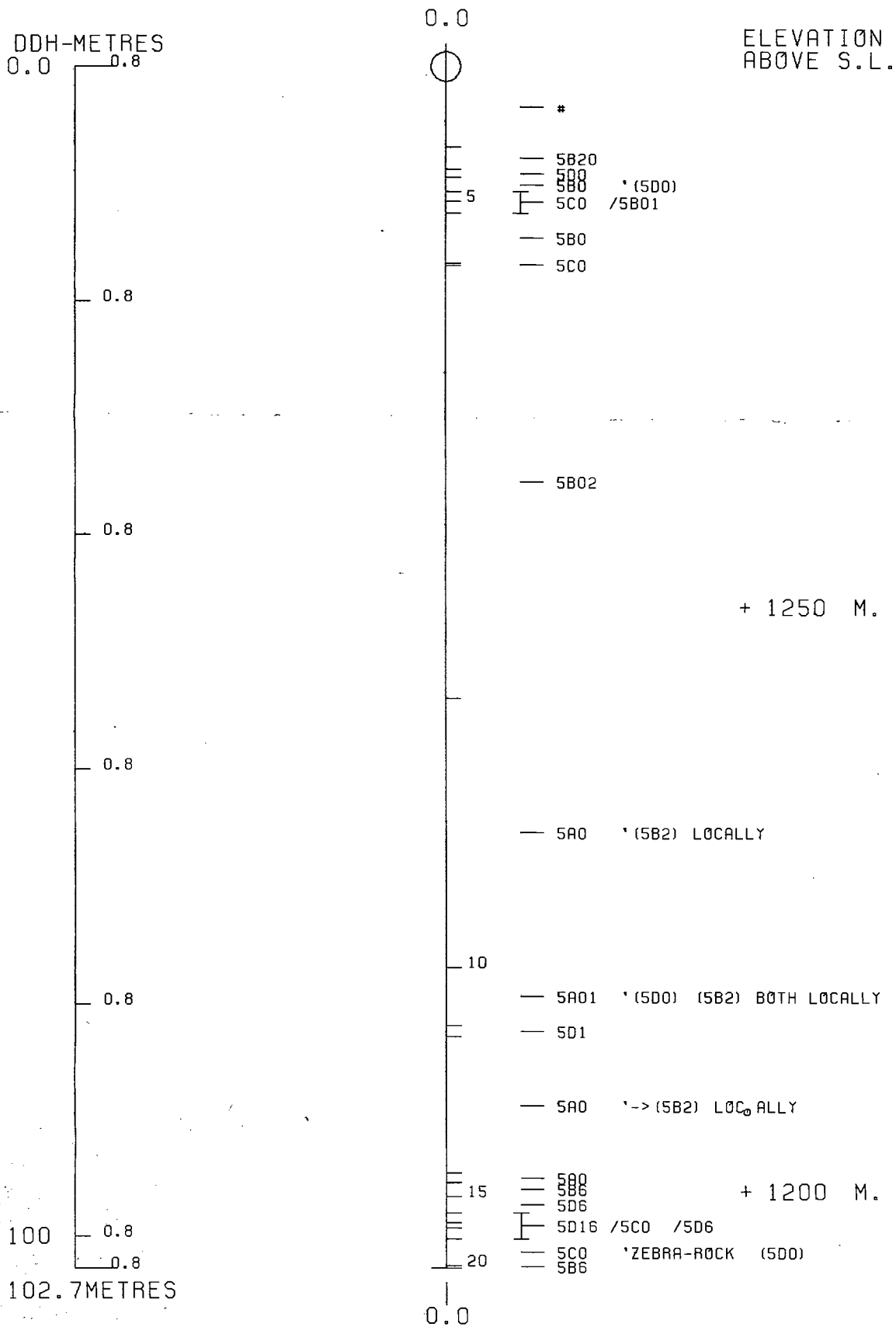
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1296 592057E ; 904905N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 267.5 Z = 1296.2

SECTION NAME: 78W



DDH: FAGADL3 -- 42 DEGREE PROFILE

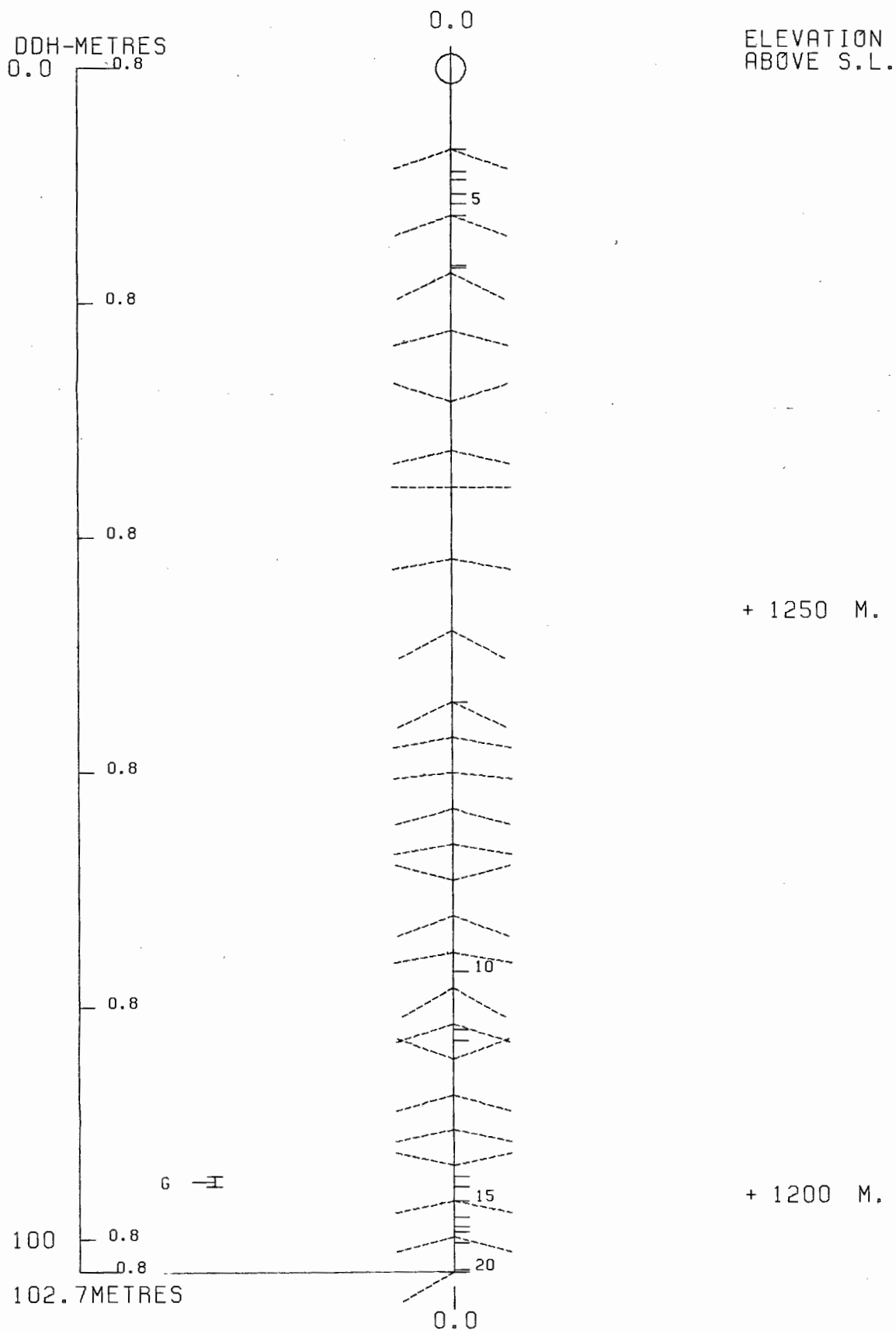
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1296 592057E ; 904905N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 267.5 Z = 1296.2

SECTION NAME: 78W



FAGU067

DRILL HOLE : FAGU067
NORTHING : 905,046.1
EASTING : 592,185.5
ELEVATION : 1,116.0
TOTAL DEPTH : 76.2
SECTION : W 78
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: 18
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 31
NOS DOWN-H-STRUCTURE: 14
NOS DOWN-H-FAULTS: 1
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17NOV83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 24

DDH: FAGU067 UTM-N: 905,046.1 UTM-E: 592,185.5 UTM-ELEV: 1,116.0 TOTAL DEPTH: 76.2 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	89.100	225.500

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DHQ20)

PAGE: 25

DDH: FAGU067 UTM-N: 905,046.1 UTM-E: 592,185.5 UTM-ELEV: 1,116.0 TOTAL DEPTH: 76.2 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
7.1	0001	4A0	(4A0 PHYLLITIC)	0.5-	1
7.6	0002	4E05	1 [4EA01]	0.5-	1
10.8	0003	4A14	PHYLLITIC	0.5-	1
12.1	0004	4E05	1 [4EA01]	0.5-	1
12.9	0005	4A0	GRAPHITIC	0.5-	1
13.5	0006	4E05	[4EA0]	0.5-	1
15.5	0007	4A43	GRAPHITIC	0.5-	1
18.2	0008	4A43	GRAPHITIC	0.5-	1
22.4	0009	4E4	& POROUS (4EA0)MINOR	0.5-	1
26.4	0010	4G4		0.5-	1
26.9	0011	4E4		0.5-	1
27.2	0012	4C0		0.5-	1
27.4	0013	4E4		0.5-	1
27.5	0014	5D4a	[4L4a FUCHSITE]	0.5-	1
34.2	0015	4E4	& POROUS	0.5-	1
34.6	0016	4A0	[5A69]	0.5-	1
35.4	0017	4E45	6 [4EA46]	0.5-	1
40.7	0018	5A6		0.5-	1
47.1	0019	5A16		0.5-	1
48.7	0020	5A41	6 89 (PY)	0.5-	1
55.1	0021	5A0	(10Q0)	0.5-	1
55.4	0022	5A0	5A0 (5D0)	0.5-	1
55.9	0023	5D0		0.5-	1
58.7	0024	5A0	(5A3)	0.5-	1
59.7	0025	5D0		0.5-	1
62.1	0026	5A0	(5A3)	0.5-	1
66.8	0027	5D0	(5D3)	0.5-	1
67.4	0028	5B83		0.5-	1
68.4	0029	5D0		0.5-	1
70.4	0030	5B6	(5B63)	0.5-	1
76.2	0031	5E8		0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 26

DDH: FAGU067 UTM-N: 905,046.1 UTM-E: 592,185.5 UTM-ELEV: 1,116.0 TOTAL DEPTH: 76.2 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU067	0.0	3.5	CS2	Z	0	0	0	0	30	230	0		1	1	1
FAGU067	0.0	8.9	CS2	Z	0	0	0	0	40	230	0		1	1	1
FAGU067	0.0	14.0	CS2	S	0	0	0	0	20	230	0		1	1	1
FAGU067	0.0	21.4		P	0	0	0	0	20	230	0		1	1	1
FAGU067	0.0	25.9		P	0	0	0	0	40	230	0		1	1	1
FAGU067	0.0	31.7		P	0	0	0	0	30	230	0		1	1	1
FAGU067	0.0	33.7		P	0	0	0	0	5	230	0		1	1	1
FAGU067	0.0	39.1	CS2	Z	0	0	0	0	30	230	0		1	1	1
FAGU067	0.0	45.2	PS2		0	0	0	0	5	230	0		1	1	1
FAGU067	0.0	51.7	CS2	E	0	0	0	0	1	230	0		1	1	1
FAGU067	0.0	56.7	CS2	Z	0	0	0	0	40	230	0		1	1	1
FAGU067	0.0	62.6	CS2	Z	0	0	0	0	10	230	0		1	1	1
FAGU067	0.0	66.1	CS2	S	0	0	0	0	30	230	0		1	1	1
FAGU067	0.0	74.8	CS2	Z	0	0	0	0	30	230	0		1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 27

DDH: FAGU067 UTM-N: 905,046.1 UTM-E: 592,185.5 UTM-ELEV: 1,116.0 TOTAL DEPTH: 76.2 SECTION: W 78
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	
FAGU067	55.1	55.4	BG				0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 28

DDH: FAGU067 UTM-N: 905,046.1 UTM-E: 592,185.5 UTM-ELEV: 1,116.0 TOTAL DEPTH: 76.2 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU067 1 1

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 5
Date: 4 SEPT/81

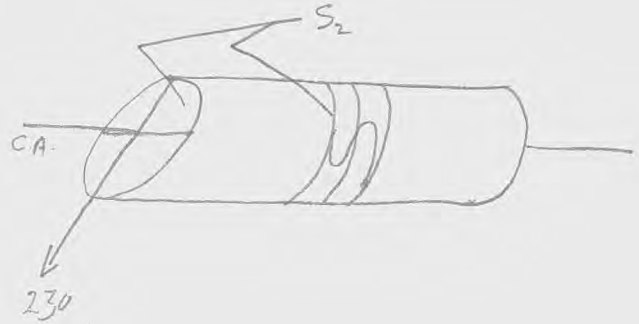
Hole Number: FAGU-67 (76-U-67)

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

Location: SECTION 78W

Claim: _____



UTM
conversion of
K-A grid locations

Terr. Plane Co-ords.: 905 046.1 N

592185.5 E

Grid Co-ords: 3 N

78 W

Elevation: 1116.0 m

All symmetry determinations looking

NW with S₂ dipping

Total Depth: 76.2 m

SW with dip azimuth 230°.

Purpose: DEFINITION - GRUM DEPOSIT

Reason hole Terminated: _____

Logged by: DSJ

Date(s) Logged: 1 SEPT/81

Drilling Contractor: _____

Size	CORE From	To	Collar Cased and Capped:
<u>BQ</u>	<u>0.0</u>	<u>76.2</u>	_____

Hole Cemented: _____

Steel down hole: _____

Started: 26 APRIL/76 Completed: 26 APRIL/76

DDH FAG4067
2 8

Diamond Drill Core Log Date: 1 Sept 81 Logged By: DSJ

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	FAG4067	11116.0	905940.1	592185.5	METERS	52	

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8 10	14 22	26 28	32 34	56
R	FAG4067	00	89.1	225.9	AT COLLAR

225.5 for TRUE NORTH

KP Oct/83

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

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L		00		171			1 4A0	(4A0 phyllitic)		
L		71		176			2 4E051	mass py. band in 4A; [4EAO]		
L		76		108			3 4A141	phyllitic; not strongly graph; carb. only		
L		108		121			4 4E051	as #2; [4EAO]		
L		121		129			5 4A0	graphitic		
L		129		135			6 4E051	as #2,4; [4EAO]		
L		135		155			7 4A031	graphitic see assays		
L		155		182			8 4A431	"		
L		182		224			9 4E4	(4EAO) minor; upgrade > 20% comb. porous intervals, non-calc.		
L		224		264			10 4G14	≈ 10%; non-calc., no Fe ₂ O ₄		
L		264		269			11 4E4			
L		269		272			12 4G9	sericite partings		
L		272		274			13 4E4			
L		274		275			14 5D141	ankeritic, fuchsitic; [4L4* fuchsitic]		
L		275		342			15 4E4	± porous, ≈ 22% comb.; non-calc.		
L		342		344			16 4A0	[5A69] not typical 4A0, carbon & sulf only		
L		344		354			17 4E4516	[4E46]; thin 4A interbands in dominantly 4E horizon; > 20% comb.		
L		354		407			18 5A16			
L		407		471			19 5A116	quite siliceous, carb. to graphitic non-calc phyll		
L		471		487			20 5A4116	as 19 but altered, lt. gray, sericite w/ minor 5A4169 (pyritic) horizons; non-calc		
L		487		551			21 5A0	1000' calcite veinlets; w/ shly → mod. calc.		
L		551		554			22 5A0	interbedded 5A0/5D0; (when core & gauge); fault; no attitudes possible		
L		554		559			23 5D0			
L		559		587			24 5A0	(5A3); w/ shly to strongly calc.		
L		587		597			25 5D0			
L		597		621			26 5A0	(5A3) as #24		
L		621		668			27 5D0	(5D3); mod → strongly calc.		
L		668		674			28 5B831			
L		674		684			29 5D0			
L		684		704			30 5B6	(5B63); m. gray generally arkly → non-calc.		
L		704		762			31 5E8	not true 5D3; chloritic phyllitic marble		

DDH FAGU.06.7
2 8

Cyprus Anvil Mining Corp.
Structural Log

Page 4 of 5
Date: 1 Sept. 81 Logged By: DSJ

Code	From				To				Feature	S ₁	S ₀		S ₁		S ₂		Description		
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.			
S				35					CS ₂ Z					30	230				
S				67					CS ₂ Z					40	230				
S				140					CS ₂ S					20	230				
S				214					R					20	230				
S				257					R					40	230				
S				317					R					30	230				
S				337					R					05	230				
S				391					CS ₂ Z					30	230			essentially a Z region if S ₂ dips SW	
S				452					PS ₂					05	230				
S				517					CS ₂ Z					00	230				
S				567					CS ₂ Z					40	230				
S				620					CS ₂ Z					10	230				
S				661					CS ₂ S					30	230				
S				718					CS ₂ Z					30	230				

Metas

~~FAULT~~

DDH F.A.G.U.O.6.7
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

~~Structural Log~~

Date: _____ Logged By: _____

Code	From			To			Feature Sym	S ₀		S ₁		S ₂		Description	
	10	14	16	20	22	24		26	28	32	34	38	40		44
F		15	5		15	5	4	Big							broken core & gauge IND

DIAMOND DRILL RECORD

LOGGED BY

ALEXANDER YOUNG PO

D. D. H. No 76-U-67

PAGE 1

PROPERTY GRUM JOINT VENTURE

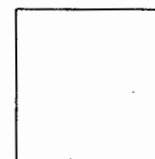
LATITUDE 10842.752 N 3N STARTED APRIL 26, 1976

DEPARTURE 7493.677 E 78W COMPLETED APRIL 26, 1976

 ELEVATION 1126.585 M PROPOSED DEPTH
 ULTIMATE DEPTH 76.2

HOLE SURVEY:

DEPTH	BEARING	DIP
COLLAR	225° 28'	+01°



CLAIM No

 DIRECTION AND DISTANCE
 FROM N.E. CLAIM POST

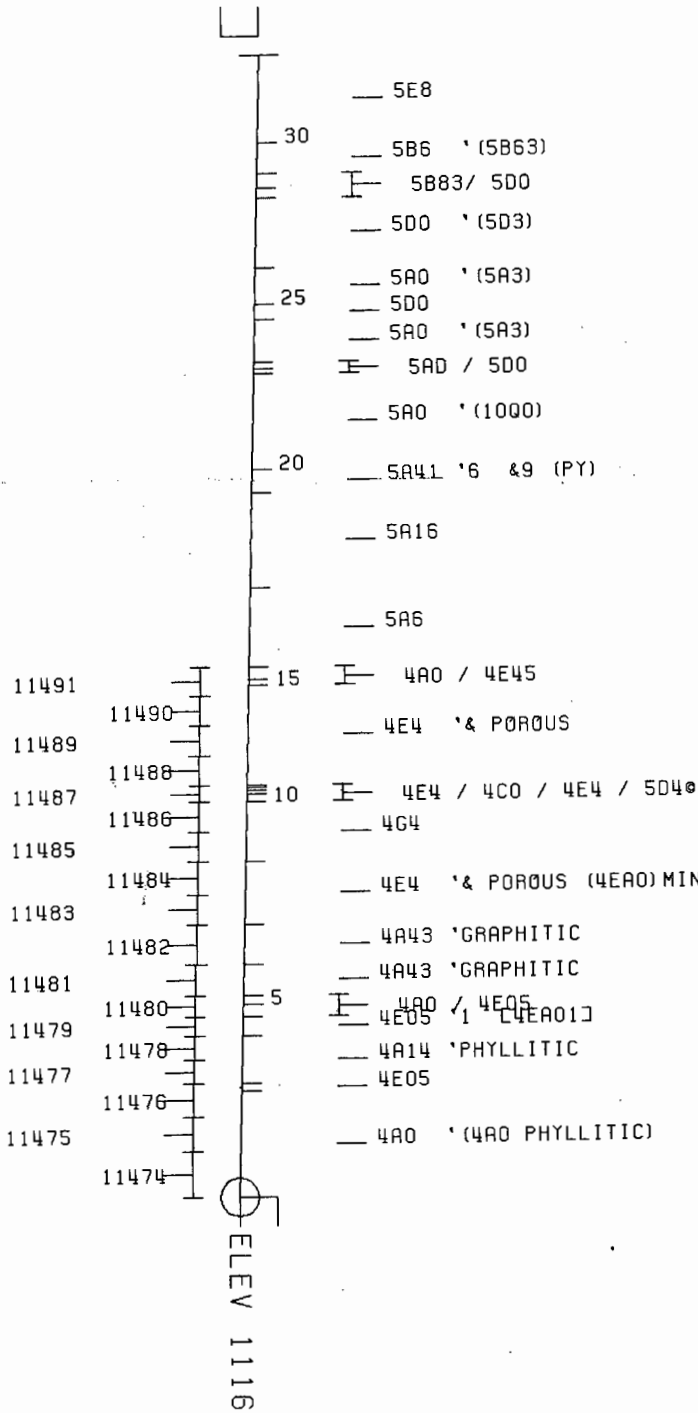
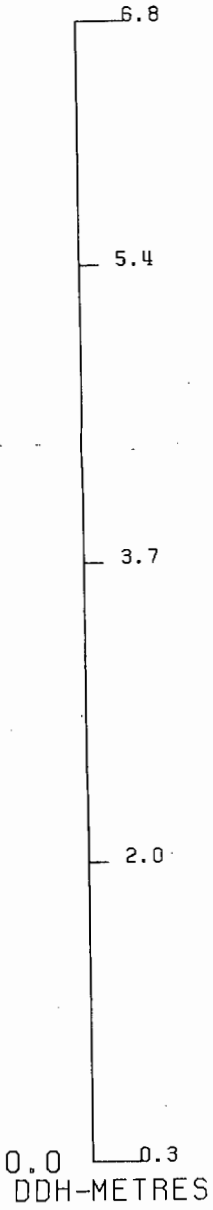
TOTAL CORE RECOVERY: 90.8%

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	10.8	QUARTZ-SULFIDE (P). Competent. Foliation regular-	20	4	0.3/1.5	2414	0	1.5	1.5	1.33	0.95	20.23						
		ly marked by alternating laminae of sulfides-qtz &	20	5	1.0/1.5	2415	1.5	3.0	1.5	3.23	2.50	36.34						
		sometimes graph.=20°. Crenulations of F ₁ (c to c	15	4	1.5/1.5	2416	3.0	4.5	1.5	0.95	0.40	14.06						
		plane=40° opposite direction to foliation) often	20	6	1.5/1.5	2417	4.5	6.0	1.5	3.93	4.40	40.46			5.895	6.60	60.69	
		time distinct. Local short runs of mass. sulfides	20	6	1.5/1.6	2418	6.0	7.6	1.6	2.68	4.95	33.26			4.288	7.92	53.216	
		showing 30° compositional banding. Details:	30	7	1.5/1.5	2419	7.6	9.1	1.5	3.30	3.90	42.51			4.95	5.85	63.765	
		0-15: Broken ground. Extremely low recovery.	25	7	1.4/1.5	2420	9.1	10.6	1.5	2.78	4.00	32.23			4.17	6.00	48.345	
		7.6-7.8: Massive sulfides-gradual change.	35	5	1.5/1.5	2421	10.6	12.1	1.5	0.79	2.05	18.17			1.185	3.075	27.255	
		10.8: Clean contact with massive sulfides=40°.	20	5	1.5/1.6	2422	12.1	13.7	1.6	0.78	1.70	15.09			1.248	2.72	24.144	
10.8	12.1	MASSIVE SULFIDES (MB). Banded. Compositional band	20	5	1.5/1.5	2423	13.7	15.2	1.5	2.30	2.75	39.43						
		of Py-Sph=40°. Cryto x'lline qtz. as amygdaloidal	25	6	1.5/1.5	2424	15.2	16.7	1.5	2.68	5.82	42.51			4.02	8.73	63.765	
		filling very prominent. Shorts runs of qtz.ser 3cm	30	7	1.5/1.5	2425	16.7	18.2	1.5	4.93	10.11	67.54			7.395	15.165	101.31	
		following trend of compositional band.	75	7	1.5/1.6	2426	18.2	19.8	1.6	9.45	13.79	128.23			15.12	22.064	205.16	
		12.1: Sharp contact with graphitic phyllite=10°.	80	8	1.4/1.5	2427	19.8	21.3	1.5	10.51	13.81	100.80			15.765	20.715	151.2	
12.1	13.2	GRAPHITIC PHYLLITE (Sg). Competent. W/laminae of	80	10	1.4/1.5	2428	21.3	22.8	1.5	8.20	12.82	114.17			12.3	19.23	171.25	
		sulfides (mostly Py). Foliation approx. equal 5°.	70	6	1.5/1.5	2429	22.8	24.3	1.5	2.23	5.00	41.49			3.345	7.50	62.235	
		12.4: Nose. Ellipsoidal foliation ser/qtz-graph.	70	4	1.4/1.6	2430	24.3	25.9	1.6	3.43	8.12	65.49			5.488	12.992	104.78	



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 11 DEC 1984 3:54 PM

76.2 METRES



DDH: FAGU067 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)
ELEV: 1116 592186E-; 905046N
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 458.7 Z = 1116.1
SECTION NAME: 78M

DDH: FAGU067 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

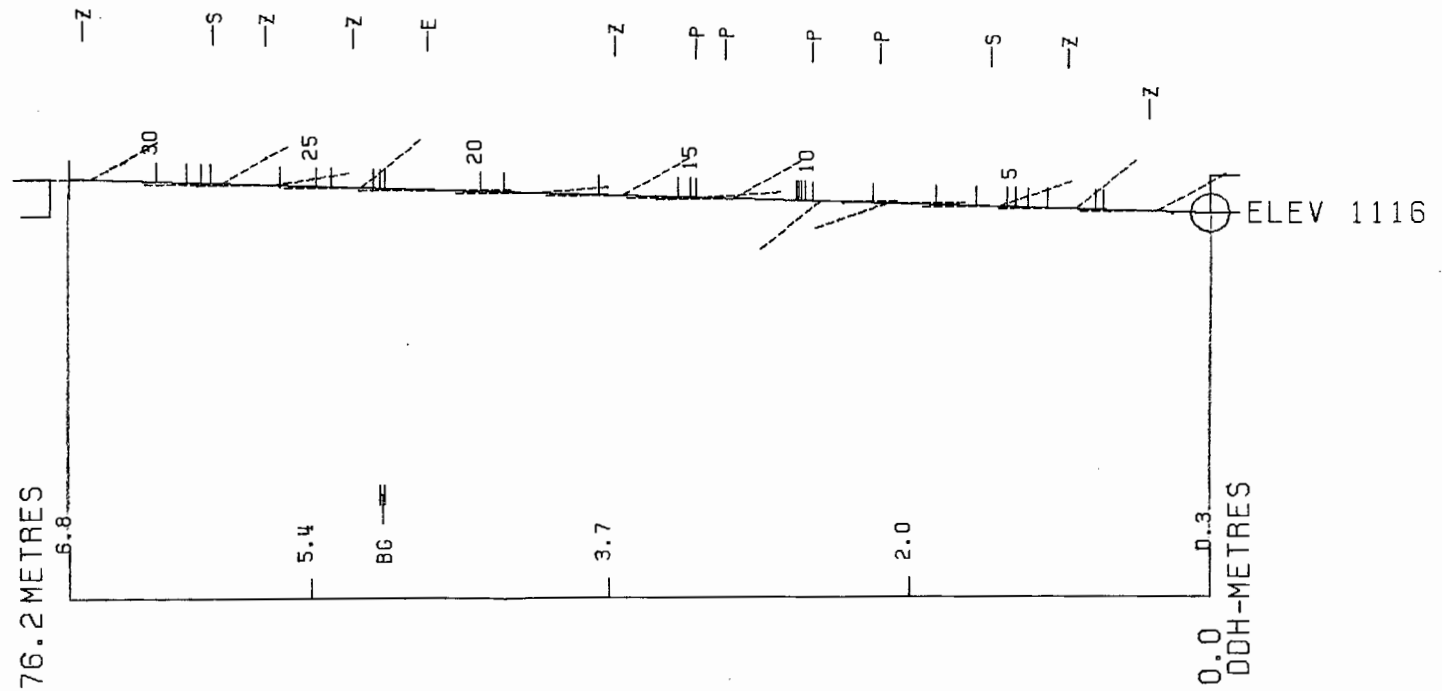
ELEV: 1116 592186E ; 905046N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 458.7 Z = 1116.1

SECTION NAME: 78W

✳
CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 12 DEC 1984 3:41 PM



FAGU068

DRILL HOLE : FAGU068
NORTHING : 905,045.2
EASTING : 592,185.3
ELEVATION : 1,117.2
TOTAL DEPTH : 53.3
SECTION : W 78
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: 12
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 29
NOS DOWN-H-STRUCTURE: 14
NOS DOWN-H-FAULTS: 2
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17NOV83 GRUM

ORE SAMPLES & ASSAYS (DHO20)

PAGE: 30

DDH: FAGU068 UTM-N: 905,045.2 UTM-E: 592,185.3 UTM-ELEV: 1,117.2 TOTAL DEPTH: 53.3 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	ASSAYS			BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
FROM	TO												PO %	PY %	TOT FE						
.0	2.0	11734	2.0	2.0	4A0	3.06	.05	.46	.56	13.99		.81	10	11							
2.0	4.0	11735	2.0	2.0	4A0	3.14	.08	1.51	.89	26.00		1.30	12	13							
4.0	6.0	11736	2.0	2.0	4A0	3.02	.05	2.50	1.39	27.99		1.51	7	8							
6.0	7.3	11737	1.3	1.2	4A4	2.87	.01	2.79	3.70	27.99		.62	1	24	25						
7.3	9.3	11738	2.0	2.0	4A4	2.93	.02	1.95	4.70	28.99		1.16	1	3	5						
9.3	11.0	11739	1.7	1.7	4A4	3.39	.05	3.70	7.49	51.00		1.43	1	13	14						
11.0	13.0	11740	2.0	2.0	4E4	4.50	.13	8.90	17.30	131.00	126.99	1.85	2	23	25						
13.0	15.0	11741	2.0	2.0	4E4	4.75	.26	9.19	15.49	159.00		3.83	1	27	28						
15.0	17.0	11742	2.0	1.8	4E4	4.75	.17	8.50	16.30	149.00		1.03	2	25	27						
17.0	18.9	11743	1.9	1.9	4E4	4.57	.05	4.50	11.50	91.00		1.10	1	27	29						
18.9	21.1	11744	2.2	2.2	4E54	3.93	.08	4.50	7.09	78.00		1.37	1	23	24						
21.1	22.2	11745	1.1	1.1	4A42	3.49	.02	3.60	4.59	68.00		1.23	2	15	17						

WEIGHTED AVERAGE

.0 22.2 22.2 21.9 3.73 .09 4.43 7.80 72.72 11.44 1.47 1 17 19

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 31

DDH: FAGU068 UTM-N: 905,045.2 UTM-E: 592,185.3 UTM-ELEV: 1,117.2 TOTAL DEPTH: 53.3 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	57.100	223.400

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DM020)

PAGE: 32

DDH: FAGU068 UTM-N: 905,045.2 UTM-E: 592,185.3 UTM-ELEV: 1,117.2 TOTAL DEPTH: 53.3 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
7.3	0001	4A0	(4A0 PHYLLITIC) (4A4)EOI	0.5-	1
11.0	0002	4A4		0.5-	1
15.2	0003	4E4		0.5-	1
17.9	0004	4E4	POROUS	0.5-	1
18.9	0005	4E4		0.5-	1
19.4	0006	4E5	[4EA0]	0.5-	1
20.1	0007	4E4	MINOR BXA	0.5-	1
21.1	0008	4E5	4[4EA4]	0.5-	1
21.9	0009	4A42		0.5-	1
22.1	0010	5D4\$		0.5-	1
22.2	0011	4EC	(4C0) (4A0) MICROCYCLE	0.5-	1
22.6	0012	5A0		0.5-	1
22.8	0013	4E5	[4EA0]	0.5-	1
25.7	0014	5A09	(4A0)	0.5-	1
28.1	0015	5A0		0.5-	1
28.3	0016	4H\$		0.5-	1
28.7	0017	5A0		0.5-	1
28.9	0018	5B26		0.5-	1
29.1	0019	4E5		0.5-	1
29.2	0020	4L2		0.5-	1
31.3	0021	5B62		0.5-	1
33.9	0022	5B36		0.5-	1
35.2	0023	5D0		0.5-	1
36.6	0024	5D\$	[5E8\$]	0.5-	1
46.8	0025	5D0		0.5-	1
47.1	0026	5D4		0.5-	1
47.2	0027	5D4	GOUGE	0.5-	1
48.2	0028	5D4		0.5-	1
53.3	0029	5D0		0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 33

DDH: FAGU068 UTM-N: 905,045.2 UTM-E: 592,185.3 UTM-ELEV: 1,117.2 TOTAL DEPTH: 53.3 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE CDE	DHDC	SDC	PROCESS			
FAGU068	0.0	1.3	CS2	Z	0	0	40	0	10	50	0	1	1	1
FAGU068	0.0	6.3	CS2	Z	0	0	40	0	30	50	0	1	1	1
FAGU068	0.0	7.6	CS2	Z	0	0	40	0	40	50	0	1	1	1
FAGU068	0.0	11.9		P	0	0	0	0	55	230	0	1	1	1
FAGU068	0.0	15.6		P	0	0	0	0	60	230	0	1	1	1
FAGU068	0.0	21.1	CS2	E	0	0	75	0	5	50	0	1	1	1
FAGU068	0.0	23.8	CS2	S	0	0	75	180	35	50	0	1	1	1
FAGU068	0.0	27.7	CS2	S	0	0	60	0	60	230	0	1	1	1
FAGU068	0.0	33.3	CS2	S	0	0	65	0	55	230	0	1	1	1
FAGU068	0.0	35.4	CS2	Z	0	0	45	180	65	230	0	1	1	1
FAGU068	0.0	39.6	CS2	S	0	0	60	0	50	230	0	1	1	1
FAGU068	0.0	43.8	CS2	Z	0	0	25	180	55	230	0	1	1	1
FAGU068	0.0	48.2	CS2	S	0	0	65	0	20	50	0	1	1	1
FAGU068	0.0	53.2	CS2		0	0	40	180	45	230	0	1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 34

DDH: FAGU068 UTM-N: 905,045.2 UTM-E: 592,185.3 UTM-ELEV: 1,117.2 TOTAL DEPTH: 53.3 SECTION: W 78
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		
FAGU068	19.4	20.1	X				0	0	0	0	1	
FAGU068	47.1	47.2	G				0	0	C	45	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 35

DDH: FAGU068 UTM-N: 905,045.2 UTM-E: 592,185.3 UTM-ELEV: 1,117.2 TOTAL DEPTH: 53.3 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU068 1 1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 09:30:12

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAG4 068

Project: GRUM RELOG S1

Location: 78W.

Claim: _____

UTM
Terr. Plane
Co-ords.: 905045.2 N

conversion of
K-A grid
coords
592185.3 E

Grid
Co-ords.: _____

Inclination: +32.9° in direction 223.4°

Elevation: 1117.2 m.

Total Depth: 53.3 m.

Purpose: GRUM O/G.

Logged by: DSJ

Date(s) Logged: 11 SEP 81

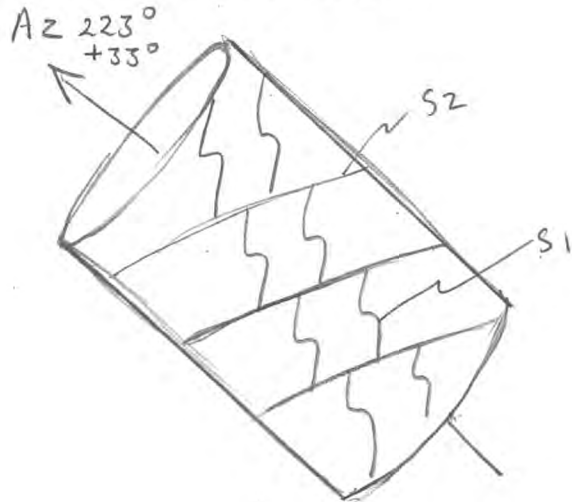
Drilling Contractor: Com McCatch

Core: Size From To Collar Cased and Capped: _____

BQ 0 53.3

Started: 26 APR 76 Completed: 27 APR 76

Fabric Orientation Diagram:



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

DDH FAG4068
2 8

Diamond Drill Core Log Date: 11 SEP 81 Logged By: DST

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
I	2 8	10 16 17	24 25	32 34	39 41 42		
T	FAG4068	11117.02	905045.2	592185.3	METRES	52	

Code	Drillhole	Depth		Zenith Angle	True Azimuth	Comments
		10	14 22	26 28	32 34	
R	FAG4068	00	57.1	221.9		A.T. COLLAR 223.4 for True North

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

DDH FAG 406.8
2 8

Cyprus Anvil Mining Corp.

Page 3 of 5

Lithologic Log

Date: 11 Sept 81Logged By: RSJ

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	100	173		1	4A0	(4A0 phyllitic)					
L	173	110		2	4A4						
L	110	152		3	4E4						
L	152	179		4	4E4	massive, non-calcareous					
L	179	189		5	4E4						
L	189	194		6	4E5	[4EAO] ≈ 15% wispy carb. to graph. bands in mass py. sculp					
L	194	201		7	4E4	minor brya					
L	201	211		8	4E54	[4EAO]; ≈ 20-25% graph. bands ^{see assay}					
L	211	219		9	4A42						
L	219	221		10	5D4*	dolomitic; 2-5% fuchsite					
L	221	222		11	4E4AO	"micro cycle", v. poor grade; cycle upside down w/ 0.05M 4E followed by 0.02M 4E followed by 0.03M 4A0 uphole					
L	222	226		12	5A0						
L	226	228		13	4E5	[4EAO] 25% graph. phyll bands					
L	228	257		14	5A09	(4A0)					
L	257	281		15	5A0						
L	281	283		16	4H*	dol.; thin bands of 4H w/ off white dol & X cutting S ₂					
L	283	287		17	5A0						
L	287	289		18	5B26						
L	289	291		19	4E5	carbonaceous phyll partings in ≈ 4E0					
L	291	292		20	4L2						
L	292	313		21	5B62	less " than #18					
L	313	339		22	5B36	partly calcareous; 5B0/5B6 interleaved					
L	339	352		23	5D0						
L	352	366		24	5D*	dolomitic; [5E8* dolomitic]; ^{poss. carbonated} 5D0					
L	366	468		25	5D0						
L	468	471		26	5D4	v. whly calc.					
L	471	472		27	5D4	gauge; upper contact indeterminate; lower 45°/6					
L	472	482		28	5D4	v. whly calc.					
L	482	533		29	5D0	fairly dk green variant					


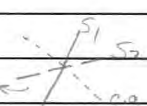
DDH FAGU.068
2 8

Cyprus Anvil Mining Corp.

Page 4 of 5

Structural Log

Date: 11 Sept 81 Logged By: [Signature]

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				13					CS ₁ Z			40	050	10	050		
S				63					CS ₂ Z			40	050	30	050		both limbs of cone
S				76					CS ₂ Z			40	050	40	050	"	
S				119					R					55	230		
S				156					R					60	230		
S				211					CS ₂ Z			75	050	05	050		
S				238					CS ₂ S			75	230	35	050		
S				277					CS ₂ S			60	230	60	230		
S				333					CS ₂ S			65	230	55	230		
S				354					CS ₂ Z			45	050	65	230		
S				396					CS ₂ S			60	230	50	230		
S				438					CS ₂ Z			25	050	55	230		
S				482					CS ₂ S			65	230	20	050		Seems there's no consistency
S				532					CS ₂ Z			40	050	45	230		to S ₂ or S ₁ - post D ₂ ??

ASSAY LOG (SAMPLER'S COPY) Date 11 Sept 81

CODE	FROM				TO				SAMPLE				INTR.				REC (m)				UNIT				DESCRIPTION		
	10	14	16	20	22	26	28	30	32	34	36	40	42	10	14	16	20	22	26	28	30	32	34	36		40	42
P			100				20				11734			20			20			4A0							
P			20				40				11735			20			20			4A0							
P			40				60				11736			20			20			4A0							
P			60				73				11737			13			12			4A0							
P			73				93				11738			20			20			4A4							
P			93				110				11739			17			18			4A4							
P			110				130				11740			20			20			4E4							
P			130				150				11741			20			20			4E4							
P			150				170				11742			20			18			4E4							
P			170				189				11743			19			19			4E4							
P			189				211				11744			22			22			4E4.5							
P			211				222				11745			11			12			4A4							(SD4*) (4EAO)

METERS

FAULT

DDH FAGU068
2 8

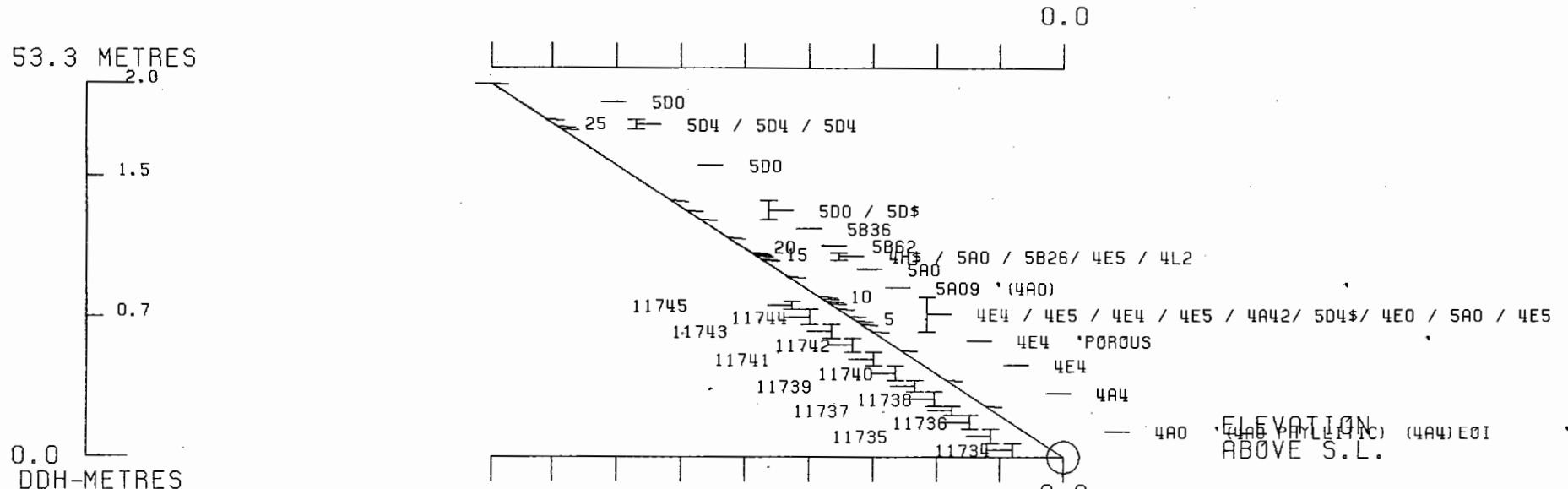
Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28	Dip		Direct.	Dip	Direct.	Dip	Direct.		
F	1194	1210	XI														Minor BXA
F	1471	1472	G											41501010			gauge, exp cnt IND, lower 45/0



DDH: FAGU068 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

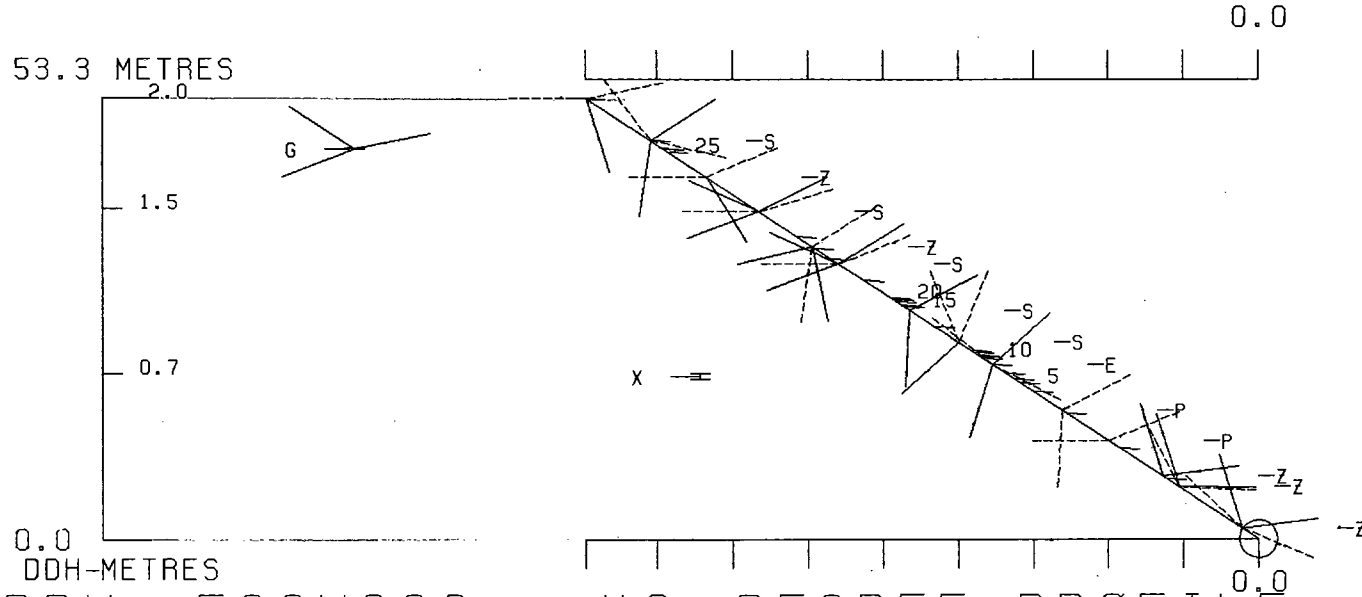
ELEV:1117 592185E ; 905045N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 457.9 Z = 1117.2

SECTION NAME: 78W

+ 1100 M.



ELEVATION
ABOVE S.L.

DDH: FAGU068 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1117 592185E ; 905045N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 457.9 Z = 1117.2

SECTION NAME: 78W

+ 1100 M.

FAGU069

DRILL HOLE : FAGU069
NORTHING : 905,046.4
EASTING : 592,186.2
ELEVATION : 1,119.6
TOTAL DEPTH : 38.1
SECTION : W 78
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: 17
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 19
NOS DOWN-H-STRUCTURE: 9
NOS DOWN-H-FAULTS: 2
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17NOV83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 2

DDH: FAGU069 UTM-N: 905,046.4 UTM-E: 592,186.2 UTM-ELEV: 1,119.6 TOTAL DEPTH: 38.1 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS															
FROM	TO						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	1.5	11759	1.5	1.1	4AL	3.00	.08	.49	.59	11.00		.75	2	7	10							
1.5	3.3	11760	1.8	1.2	4A0	3.00	.07	1.69	1.35	21.00		.89	1	7	9							
3.3	4.7	11761	1.4	1.2	4A4	3.10	.05	2.60	4.59	40.00		.75	1	7	8							
4.7	6.0	11762	1.3	1.2	4A43	3.37	.04	1.99	4.20	41.00		1.03	1	14	16							
6.0	8.0	11763	2.0	1.6	4A43	3.77	.14	3.99	7.70	70.00		2.06	1	20	21							
8.0	10.0	11764	2.0	2.0	4E4	4.46	.33	7.09	14.49	139.00		2.06	1	24	26							
10.0	11.4	11765	1.4	1.3	4E4	4.50	.26	6.79	13.99	130.00		2.12	1	27	28							
11.4	13.4	11766	2.0	2.0	4A4	3.14	.07	1.81	4.59	40.00		.68	1	10	11							
13.4	14.4	11767	1.0	.9	4A0	3.29	.14	.52	.75	15.99		1.10	1	16	17							
14.4	16.4	11768	2.0	2.0	4A41	3.22	.05	3.99	9.19	65.00		.95	1	8	9							
16.4	18.4	11769	2.0	2.0	4A41	3.31	.01	5.59	12.59	99.00		.68	1	6	8							
18.4	20.4	11770	2.0	1.8	4A41	3.20	.02	4.59	11.90	80.00	80.00	.62	1	5	7							
20.4	22.0	11771	1.6	1.5	4A41	3.18	.02	5.09	11.40	90.00		.81	1	5	7							
22.0	23.5	11772	1.5	1.3	4A41	3.83	.10	6.99	11.00	123.99		1.78	1	18	20							
23.5	25.0	11773	1.5	1.1	4E4	4.46	.13	6.40	10.50	118.99		1.64	1	26	27							
25.0	26.7	11774	1.7	.3	4E4	4.46	.19	7.09	14.40	156.00		1.70		19	20							
26.7	27.4	11775	.7	.6	4G4	4.42	.42	5.59	12.50	134.00		2.87		18	19							
WEIGHTED AVERAGE																						
.0	27.4		27.4	23.1		3.60	.11	4.32	8.76	80.84	5.83	1.26	1	13	15							

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 3

DDH: FAGU069 UTM-N: 905,046.4 UTM-E: 592,186.2 UTM-ELEV: 1,119.6 TOTAL DEPTH: 38.1 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	29.900	226.900

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 4

DDH: FAGU069 UTM-N: 905,046.4 UTM-E: 592,186.2 UTM-ELEV: 1,119.6 TOTAL DEPTH: 38.1 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
0.5	0G01	4A0	PHYLLITIC	0.5-	1
1.5	0G02	4L12	-> 4C0 PHYLLITIC	0.5-	1
3.3	0003	4A0		0.5-	1
4.4	0004	4A41	PHYLLITIC	0.5-	1
4.7	0G05	4A0		0.5-	1
8.0	0G06	4A43	(4E4)	0.5-	1
11.4	0G07	4E4	MINOR BXA	0.5-	1
13.4	0G08	4A4		0.5-	1
13.8	0009	4A03		0.5-	1
14.4	0010	4A0	BXA	0.5-	1
23.1	0G11	4A41	(4A41 PHYLLITIC) (4E4)	0.5-	1
23.5	0012	4A03		0.5-	1
26.7	0G13	4E4	& POROUS (4A0) MINOR	0.5-	1
27.4	0014	4G4		0.5-	1
27.7	0015	4L2		0.5-	1
27.8	0016	5A6		0.5-	1
28.4	0017	5A69	(4A4)	0.5-	1
33.5	0018	5B26		0.5-	1
38.1	0019	5D3		0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DM020)

PAGE: 5

DDH: FAGU069 UTM-N: 905,046.4 UTM-E: 592,186.2 UTM-ELEV: 1,119.6 TOTAL DEPTH: 38.1 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE	CDE	DHDC	SDC	PROCESS	
FAGU069	0.0	2.6	CS2		0	0	50 180	50	230	0	1	1	1
FAGU069	0.0	5.7	CS2		0	0	30 180	65	230	0	1	1	1
FAGU069	0.0	11.9	CS2		0	0	55 180	45	230	0	1	1	1
FAGU069	0.0	14.7	CS2		0	0	25 180	55	230	C	1	1	1
FAGU069	0.0	21.2	CS2		0	0	10 180	50	230	0	1	1	1
FAGU069	0.0	23.2	PS2		0	0	0 0	75	230	0	1	1	1
FAGU069	0.0	30.2	CS2	D	0	0	0 0	75	230	0	1	1	1
FAGU069	0.0	32.4	CS2	Z	0	0	0 0	85	230	0	1	1	1
FAGU069	0.0	36.5	PS2		0	0	0 0	70	230	0	1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 6

DDH: FAGU069 UTM-N: 905,046.4 UTM-E: 592,186.2 UTM-ELEV: 1,119.6 TOTAL DEPTH: 38.1 SECTION: W 78
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	
FAGU069	9.1	11.4	X		0	0	0	0	1
FAGU069	13.8	14.4	X		0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 7

DDH: FAGU069 UTM-N: 905,046.4 UTM-E: 592,186.2 UTM-ELEV: 1,119.6 TOTAL DEPTH: 38.1 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU069 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU 069.

Project: GRUM RELOG 069

Location: 78 W.

Claim: _____

UTM
Terr. Plane

Co-ords.: 905046.4 N

*conversion of
K-A grid*

592186.2 E

Grid
Co-ords.: _____

Inclination: _____

Elevation: 1119.6

Total Depth: 38.1 m

Purpose: GRUM U/G

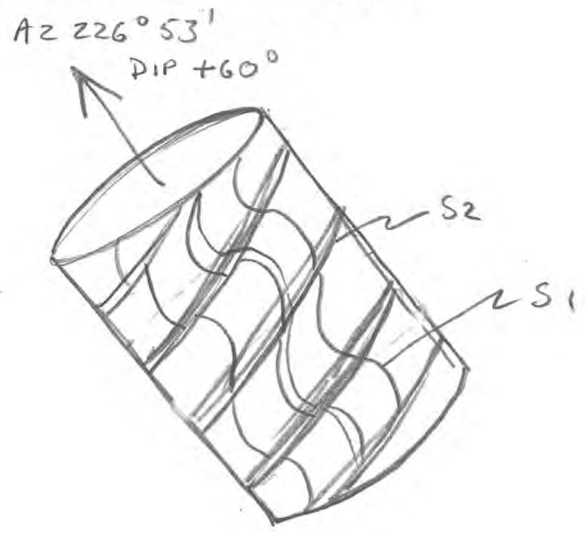
Logged by: 'DSJ-

Date(s) Logged: 12 SEP 81

Drilling Contractor: _____

Core:	Size	From	To	Collar Cased and Capped:
<u>BQ</u>	<u>0</u>	<u>38.1</u>		_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Fabric Orientation Diagram:



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Started: 27 APR 76 Completed: 27 APR 76.

DDH F.A.G.U.069
2 8

Cyprus Anvil Mining Corp.

Page 3 of 5

Lithologic Log

Date: 12 Sept 81Logged By: RSJ

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
L		00		05				1	4A0	phyllitic, carbonaceous, not graphitic
L		05		15				2	4L12	approaching 4C0 phyllitic
L		15		33				3	4A0	
L		33		44				4	4A41	phyllitic
L		44		47				5	4A0	
L		47		80				6	4A43	(4E4)
L		80		114				7	4E4	minor bpxa @ $\approx 10.0M$; reddish br. ZnS & coex py 8.0-9.1; lighter colored honey ZnS & finer mass py 9.1-11.4; latter interval partially bpxated
L		114		134				8	4A41	
L		134		138				9	4A03	
L		138		144				10	4A0	bpxa some OOO healed
L		144		231				11	4A41	(4A41 phyllitic); (4E4); $\approx 15\%$ comb.
L		231		235				12	4A03	
L		235		267				13	4E4	\pm porous; (4A0) 24.2-24.3; non-calc,
L		267		274				14	4G41	non-calc, non-Fe ₃ O ₄ bearing; note Anvil cycle from 11.4-27.4M (2 cycles ① 0.0-11.4 ② 11.4-27.4M)
L		274		277				15	4L12	
L		277		278				16	5A6	
L		278		284				17	5A6a9	(4A4); not great 4A in that wk. w gts, sec & sulfs. are in 5A6
L		284		335				18	5B26	
L		335		381				19	5D3	of COV

DDH FAGU069
2 8

Cyprus Anvil Mining Corp. Structural Log

Page 4 of 5

Date: 12 Sept 81 Logged By: [Signature]

Code	From				To				Feature	S ₀ Dip Direct.	S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	
S				20					CS2		50	050	50	230	S ₁ opp dir to S ₂ ; w/ attitude of DDH, S ₂ ≈ horiz. no symmetry indeterminate
S				57					CS2		30	050	65	230	S ₁ , opposite dip to S ₂
S				119					CS2		55	050	45	230	" " " " "
S				147					CS2		25	050	55	230	" " " " "
S				212					CS2		10	050	50	230	" " " " "
S				232					PS2				75	230	
S				302					CS2D				75	230	F ₂ axes down S ₂ dip
S				324					CS2Z				85	230	
S				365					PS2				70	230	

ASSAY LOG (SAMPLER'S COPY)

Date 12 Sept 81

Sampled by [Signature]

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
P													
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FAULT

Meters

DDH E.A.G.U.O.6.9
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: 5 Oct / 03 Logged By: _____

Code	From		To		Feature		SYN	S ₀		S ₁		S ₂		Description	
								Dip	Direct.	Dip	Direct.	Dip	Direct.		
I	10		14	16	20	22	24	26	28	32	34	38	40	44	
F			19	1	11	4	X								interval partly bxa
F			13	8	14	4	X								bx, some 1000 healed

DIAMOND DRILL RECORD

 LOGGED BY ALEXANDER YOUNG-PO

 D. D. H. No 76-U-69 PAGE 1

 PROPERTY GRUM JOINT VENTURE

 LATITUDE 10,843.024 N 3N STARTED APRIL 27, 1976

 DEPARTURE 7494.453 E 78W COMPLETED APRIL 27, 1976

 ELEVATION 1130.213 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 38.1

HOLE SURVEY:		
DEPTH	BEARING	DIP
226°	53'	41"
+60°		



CLAIM No _____

 DIRECTION AND DISTANCE
 FROM N.E. CLAIM POST

TOTAL CORE RECOVERY : 93%

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	23.5	QUARTZ-SULFIDE (P). COMPETENT. Foliation = 85-	25	4	0.8/1.5	2453	0	1.5	1.5	0.31	0.48	7.20			0.79	PbZn	
		90°. F ₁ congruent w/F ₂ . Local sph rich laminae	25	4	0.6/1.5	4	1.5	3.0	1.5	2.32	1.65	30.17			3.97	PbZn	
		following foliation. Included intervals of massive	30	8	1.5/1.5	5	3.0	4.5	1.5	2.55	3.58	28.46					
		sulfides. Crypox'lline silica as amygdaloidal fil-	50	6	1.5/1.5	6	4.5	6.0	1.5	2.08	3.78	34.29					
		ling. Minor blebs of Cpy w/qtz stringers random	30	8	1.5/1.6	2457	6.0	7.6	1.6	4.25	6.62	66.51			6.80	10.592	106.41
		orientation. 7.7-11: Massive Sulfides.	70	10	1.5/1.5	8	7.6	9.1	1.5	9.15	16.71	130.97			13.725	25.065	196.45
		12-12.1: Broken core. Fragments of graph. phyll.	80	8	1.4/1.5	9	9.1	10.6	1.5	6.99	12.62	146.06			10.485	18.93	219.09
		=70° 18.5: Bx healed by sulphides.	60	10	1.5/1.5	2460	10.6	12.1	1.5	5.20	10.33	74.74			7.80	15.495	112.11
		23.5: Gradual change to massive sulphides (increa	40	8	1.5/1.6	1	12.1	13.7	1.6	2.20	4.58	36.34			3.52	7.328	58.144
		sing wider massive sulphide bands).	35	8	1.5/1.5	2	13.7	15.2	1.5	2.58	5.16	40.46			3.87	7.74	60.69
23.5	25.9	MASSIVE SULPHIDE (M) W/faint trace of compositional	30	10	1.4/1.5	3	15.2	16.7	1.5	4.08	10.07	65.49			6.12	15.105	98.235
		banding. Short runs of porous sulphides. Banding	30	10	1.4/1.5	2464	16.7	18.2	1.5	5.30	12.05	87.77			7.95	18.09	131.655
		=80-85°. 25.9: Sharp contact with bleached phyllite =85°	35	10	1.5/1.6	5	18.2	19.8	1.6	5.73	12.93	90.86			9.168	20.688	145.37
25.9	26.2	BLEACHED PHYLLITE (Sb) Greenish white. Prominent	35	15	1.5/1.5	6	19.8	21.3	1.5	5.68	10.22	86.74			8.52	15.33	130.11
		fuchsite spots mixed w/sulfides and earthy white	45	15	1.5/1.5	7	21.3	22.8	1.5	6.74	13.40	110.06			10.11	20.10	165.09
		hard material (feldspars). Foliation = 85°.	65	15	1.4/1.5	8	22.8	24.3	1.5	6.04	8.82	98.81			9.06	13.23	148.24
		26.2: Gradual change to Graphitic Phyllite (SG)	75	10	1.5/1.6	2469	24.3	25.9	1.6	6.84	12.93	140.23			10.944	20.688	224.36

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

D.D.H. No 76-U-69 PAGE 1

PROPERTY GRUM JOINT VENTURE

LATITUDE 10843.024 N 3N STARTED APRIL 27, 1976

DEPARTURE 7494.453 E 78W COMPLETED APRIL 27, 1976

ELEVATION 1130.213 M PROPOSED DEPTH _____

ULTIMATE DEPTH 38.1

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	226°53'	+60°

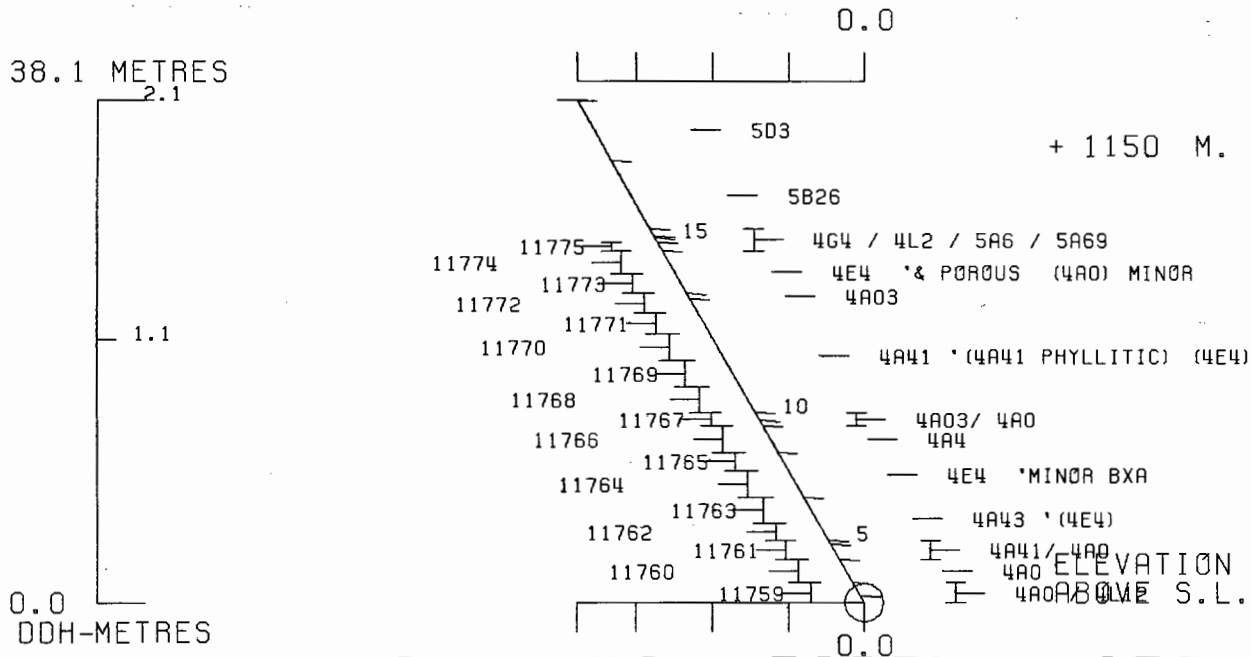


CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

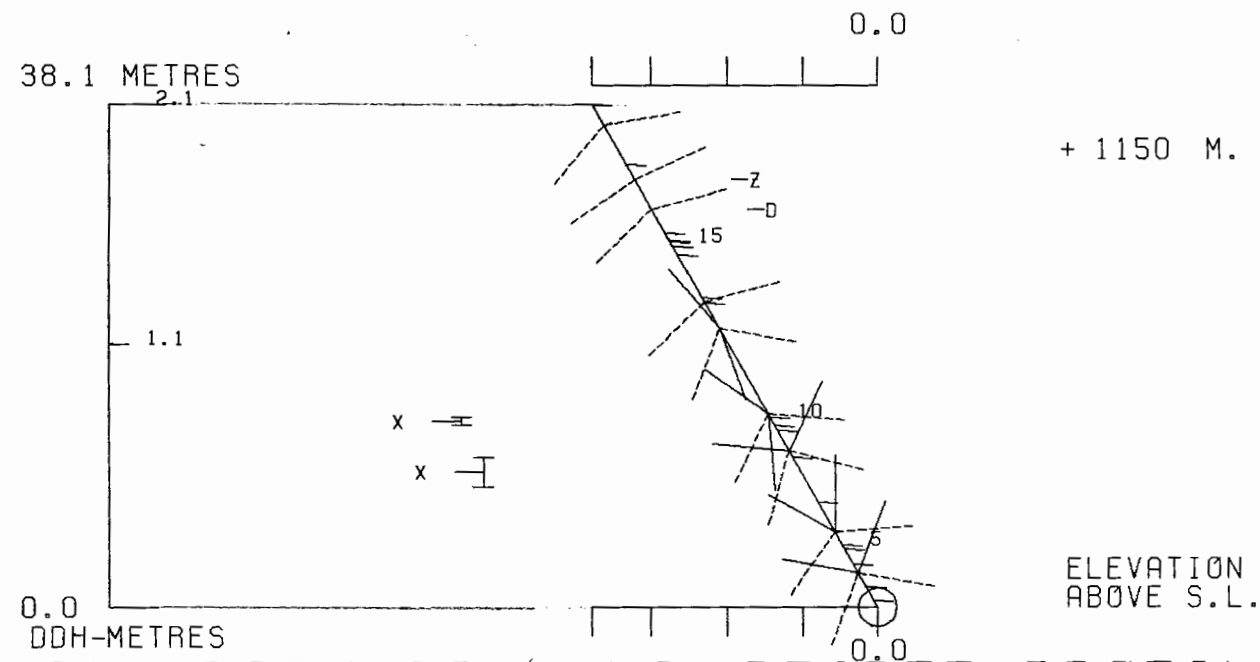
TOTAL CORE RECOVERY: 93%

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	23.5	QUARTZ-SULFIDE (P). Competent. Foliation=85-90°	25	4	0.8/1.5	2453	0	1.5	1.5	0.31	0.48	7.20			0.79	PbZn	
		F ₁ congruent with F ₂ . Local sphrich laminae follow-	25	4	0.6/1.6	2454	1.5	3.0	1.5	2.32	1.65	30.17			3.97	PbZn	
		ing foliation. Included intervals of massive sulfs.	30	8	1.5/1.5	2455	3.0	4.5	1.5	2.55	3.58	28.46					
		Crypox'lline silica as amygdaloidal filling. Minor	30	6	1.5/1.5	2456	4.5	6.0	1.5	2.08	3.78	34.29					
		blebs of Cpy with quartz stringers random orientat.	30	8	1.5/1.6	2457	6.0	7.6	1.6	4.25	6.62	66.51			6.80	10.592	106.41
		7.7-11: MASSIVE SULFIDES.	70	10	1.5/1.5	2458	7.6	9.1	1.5	9.15	16.71	30.97			13.725	25.065	196.45
		12-12.1: Broken core. Fragments of graph. phyllite	80	8	1.4/1.5	2459	9.1	10.6	1.5	6.99	12.62	146.06			10.485	18.93	219.09
		18.5: Bx healed by sulfides.	60	10	1.5/1.5	2460	10.6	12.1	1.5	5.20	10.33	74.74			7.80	15.495	112.11
		23.5: Gradual change to massive sulfides (increas-	40	8	1.5/1.6	2461	12.1	13.7	1.6	2.20	4.58	36.34			3.52	7.328	58.144
		ing wider)(massive sulfide bands).	35	8	1.5/1.5	2462	13.7	15.2	1.5	2.58	5.16	40.46			3.87	7.74	60.69
23.5	25.9	MASSIVE SULFIDE (M) with faint trace of compositional	30	10	1.4/1.5	2463	15.2	16.7	1.5	4.08	10.07	65.49			6.12	15.105	98.235
		banding. Short runs of porous sulfides. Banding=	80	30	1.4/1.5	2464	16.7	18.2	1.5	5.30	12.06	87.77			7.95	18.09	131.65
		-85°. 25.9: Sharp contact w/bleached phyllite=85°.	35	10	1.5/1.6	2465	18.2	19.8	1.6	5.73	12.93	90.86			9.168	20.688	145.37
25.9	26.2	BLEACHED PHYLLITE (Sb). Greenish white. Prominent	35	+15	1.5/1.5	2466	19.8	21.3	1.5	5.68	10.22	86.74			8.52	15.33	130.11
		fuchs site spots mixed with sulfide and earthy white,	45	+15	1.5/1.5	2467	21.3	22.8	1.5	6.74	13.40	110.06			10.11	20.10	165.09
		hard material (feldspars). Foliation=85°.	65	15	1.4/1.5	2468	22.8	24.3	1.5	6.04	8.82	98.81			9.06	13.23	243.25
		26.2: Gradual change to Graphitic Phyllite (Sg).	75	10	1.5/1.6	2469	24.3	25.9	1.6	6.84	12.93	140.28			10.944	20.688	224.38



DDH: FAGU069 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1120 592186E ; 905046N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 459.4 Z = 1119.6
 SECTION NAME: 78W



DDH: FAGU069 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1120 592186E ; 905046N
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 459.4 Z = 1119.6
SECTION NAME: 78W

FAGU070

DRILL HOLE : FAGU070
NORTHING : 905,047.5
EASTING : 592,187.1
ELEVATION : 1,119.4
TOTAL DEPTH : 39.6
SECTION : W 78
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: 13
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 14
NOS DOWN-H-STRUCTURE: 7
NOS DOWN-H-FAULTS: 4
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17NOV83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 9

DDH: FAGU070 UTM-N: 905,047.5 UTM-E: 592,187.1 UTM-ELEV: 1,119.4 TOTAL DEPTH: 39.6 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----													
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
.0	1.8	11746	1.8	.7 4A0	3.00	.02	.55	1.52	14.99		.55	3	6	10					
1.8	3.8	11747	2.0	1.4 4A0	3.06	.05	2.39	1.03	31.99		1.03		9	10					
3.8	6.6	11748	2.8	2.5 4A24	3.18	.02	2.39	3.70	38.00		1.10	1	11	12					
6.6	8.7	11749	2.1	2.0 4A42	3.64	.08	7.99	11.69	119.99		1.98	1	13	15					
8.7	10.8	11750	2.1	2.1 4A42	3.89	.05	7.99	13.59	123.99	117.99	1.98	1	17	19					
10.8	12.8	11751	2.0	1.6 4E4	4.54	.17	9.40	19.60	136.00		2.19	1	21	23					
12.8	14.8	11752	2.0	1.6 4E4	4.63	.20	10.00	17.60	131.00		2.19	1	25	26					
14.8	16.7	11753	1.9	1.7 4E4	4.46	.10	7.90	15.59	138.00		.81	1	25	26					
16.7	19.3	11754	2.6	1.9 5D4\$	2.95	.01	.29	1.71	9.00		1.10	6	3	9					
19.3	20.8	11755	1.5	1.1 4A42	3.37	.11	3.00	6.09	45.00		1.43	1	13	14					
20.8	22.2	11756	1.4	1.4 4A42	3.35	.05	4.09	7.29	66.00		1.58	1	12	13					
22.2	24.0	11757	1.8	1.5 4E4	3.79	.11	6.90	12.69	119.99		1.43	1	14	16					
24.0	25.2	11758	1.2	.5 4E4	4.01	.14	6.70	17.19	124.99		1.30	1	17	18					
WEIGHTED AVERAGE																			
.0	25.2		25.2	20.0	3.65	.08	5.21	9.50	81.55	9.83	1.43	2	14	16					

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 10

DDH: FAGU070 UTM-N: 905,047.5 UTM-E: 592,187.1 UTM-ELEV: 1,119.4 TOTAL DEPTH: 39.6 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	4.200	14.100

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 11

DDH: FAGU070 UTM-N: 905,047.5 UTM-E: 592,187.1 UTM-ELEV: 1,119.4 TOTAL DEPTH: 39.6 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.5	0001	4A0		0.5-	1
1.8	0002	5D4a		0.5-	1
3.8	0003	4A0		0.5-	1
4.3	0004	4A41	PHYLLITIC	0.5-	1
6.6	0C05	4A24	GRAPHITIC	0.5-	1
10.8	0C06	4A42	GRAPHITIC ->4E4 [4A42(4E4)]	0.5-	1
16.7	0007	4E4	MINOR BXA	0.5-	1
19.3	0008	5D4\$	9	0.5-	1
22.2	0009	4A42	BXA AT BASE	0.5-	1
24.0	0010	4E4	(4A4) 90:10	0.5-	1
25.2	0011	4E4		0.5-	1
29.9	0C12	5B\$2		0.5-	1
31.6	0013	5E\$		0.5-	1
39.6	0014	5B\$		0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 12

DDH: FAGU070 UTM-N: 905,047.5 UTM-E: 592,187.1 UTM-ELEV: 1,119.4 TOTAL DEPTH: 39.6 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU070	0.0	4.0	CS2	Z	0	0	0	0	70	230	0		1	1	1
FAGU070	0.0	10.4		P	0	0	0	0	50	230	0		1	1	1
FAGU070	0.0	16.1		P	0	0	0	0	25	230	0		1	1	1
FAGU070	0.0	21.3	CS2	Z	0	0	0	0	55	230	0		1	1	1
FAGU070	0.0	29.4	CS2	Z	0	0	0	0	65	230	0		1	1	1
FAGU070	0.0	36.1	CS2	Z	0	0	0	0	75	230	0		1	1	1
FAGU070	0.0	39.5	CS2	S	0	0	0	0	70	230	0		1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 13

DDH: FAGU070 UTM-N: 905,047.5 UTM-E: 592,187.1 UTM-ELEV: 1,119.4 TOTAL DEPTH: 39.6 SECTION: W 78
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	
FAGU070	10.8	16.7	X				0	0	0	0	1
FAGU070	19.3	22.2	X				0	0	0	0	1
FAGU070	24.3	25.2	RB		2		0	0	0	0	1
FAGU070	27.3	28.9	GB		6		0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 14

DDH: FAGU070 UTM-N: 905,047.5 UTM-E: 592,187.1 UTM-ELEV: 1,119.4 TOTAL DEPTH: 39.6 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU070 1 1

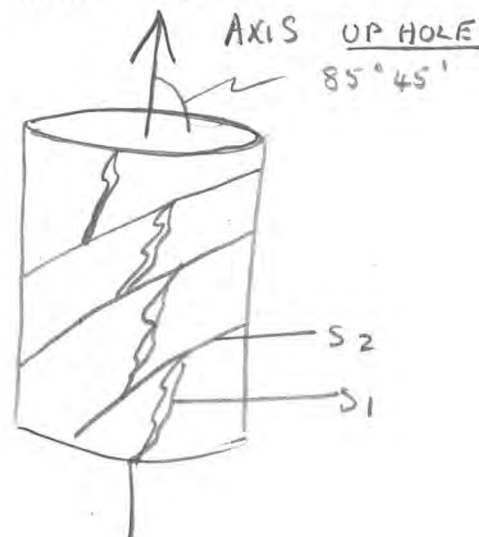
CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAG4 070

Fabric Orientation Diagram:

Project: GRUM RE LOG 81



Location: 7.8 W

Claim: _____

Terr. Plane Co-ords.: 905047.5 N

Conversions of K-A grid

592187.1 E

Grid Co-ords.: _____

Inclination: UP HOLE VERT

All symmetry determinations looking

NW with S2 dipping

Elevation: 1119.4

SW with dip azimuth 230.

Total Depth: 39.6 m

Purpose: GRUM u/g.

Logged by: DSJ. Date(s) Logged: 11 Sep 81

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

130 0 39.6.

Started: 28 APR 76 Completed: 28 APR 76

DDH FAG4070
2 8

Cyprus Anvil Mining Corp.

Page 3 of 5

Lithologic Log

Date: 9 Sept 81 Logged By: [Signature]

Code	From		To		Recov.		No.	Unit	Description
	10	14	16	20	22	24			
L		00		15			1	4A0	
L		15		18			2	5D4*	ankeritic, < 1% fuchsite
L		18		38			3	4A0	
L		38		43			4	4A41	phyllitic; carbonaceous phyll partings - not graphitic
L		43		66			5	4A204	graphitic see assays
L		66		108			6	4A42	" ; more pyritic than #5 => 4E4; [4A42, [4E4]]
L		108		167			7	4E4	banded, much rosco brown ZnS; v. high grade > 22% over interval; minor bria
L		167		193			8	5D4*9	wholly dolomitic; 2-75% fuchsite; wholly base metal sulfide bearing
L		193		222			9	4A42	oriented toward base of interval
L		222		240			10	4E4	(4A4) dominantly 4E4 w/ ≈ 10% 4A4 interbands
L		240		252			11	4E4	w/ broken rubble core 24.3-25.2 < 0.2M rec'd over interval => fault??; noatls,
L		252		299			12	5B*2	dolomitic; [5B0 FeMg CO ₃] <small>gauge & broken core 27.3 -> 28.9 no atls ≈ 1M rec'd over int.</small>
L		299		316			13	5E*	" ; lt. cream to buff gray w/ numerous X cutting CO ₂ v. v. v. loops like "carbonated" 5B0 or dolomitic 5E0; rusty cream (more ferroan??) band 30.1-30.3M
L		316		396			14	5B*	dolomitic; [5B0 FeMg CO ₃]
									END OF HOLE

DDH FAG.407.0
 2 8

Cyprus Anvil Mining Corp.

Structural Log

Date: 9 Sept 81 Logged By: RFJ

Code	From		To		Feature	SVE	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				40	CS2	Z					70	230	N.B. S ₂ prob. As <u>NE</u>
S				104		R					50	230	May be S ₀ / S ₁
S				161		R					25	230	" " " "
S				213	CS2	Z					55	230	
S				294	CS2	Z					65	230	
S				361	CS2	Z					75	230	N.B. synm highly var. may = M
S				395	CS2	S					70	230	

ASSAY LOG (SAMPLER'S COPY) Date 9 Sept. 81

CODE	FROM				TO				SAMPLE				INTR.	REC (m)		UNIT	DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40		42			
P		00		18	111746			18	10	74A0			(504*)				
P		18		38	111747			20	11	44A0							
P		38		60	111748			28	12	54A2							
P		60		87	111749			21	12	04A4							
P		87		108	111750			21	12	14A4							
P		108		128	111751			20	11	64E4							
P		128		148	111752			20	11	64E4							
P		148		167	111753			19	11	74E4							
P		167		193	111754			26	11	95D4*9							
P		193		208	111755			15	11	14A4							
P		208		222	111756			14	11	44A4							
P		222		240	111757			18	11	54E4							
P		240		252	111758			12	10	54E4							

Meters

FAULT

DDH FAGU070
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		
I																		
F																		Minor bxa
F																		bxa towards base
F																		brkn & rubbly core IND
																		22% recovery
F																		IND gauge & brken core
																		62% recovery

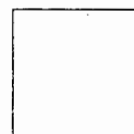
DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO

D.D.H. No 76-U-70 PAGE 1

PROPERTY GRUM JOINT VENTURE, Y.T.
 LATITUDE 10844.052 N 3N STARTED APRIL 28, 1976
 DEPARTURE 7495.379 E 78W COMPLETED APRIL 28, 1976
 ELEVATION 1130.004 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 39.6

HOLE SURVEY:		
DEPTH	BEARING	DIP
14°	08'	00"
+85°	45'	

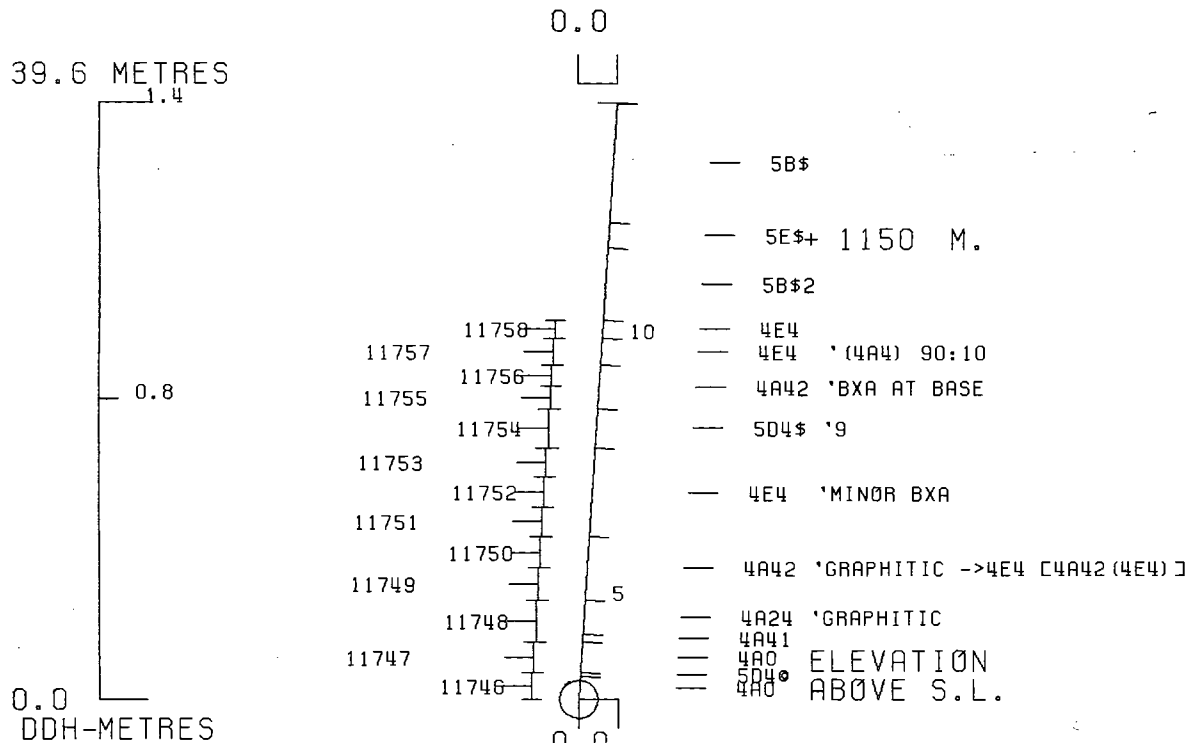


CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 83.3%

Interval		DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval		Sample Length	Assay			Assay 2				
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	7.6	QUARTZ-SERICITE-SULFIDE (Ps) Competent. Trace of graphite. Short runs of bleached phyllite. Foliation = 75-80°. F ₁ apparently congruent w/F ₂ @ 80°. Local run showing F ₂ @ 60° and off-setting F ₁ ex: 2.9m	35	3	0.4/1.5	2470	0	1.5	1.5	0.95	0.48	16.11					
			25	3	1.0/1.5	2471	1.5	3.0	1.5	1.00	1.48	16.11					
			30	7	1.4/1.5	2472	3.0	4.5	1.5	3.05	2.85	37.37			4.575	4.275	56.055
			30	5	1.5/1.6	2473	4.5	6.1	1.6	1.48	2.85	28.46			2.368	4.56	45.536
			30	8	1.4/1.5	2474	6.1	7.6	1.5	4.90	6.80	65.49			7.35	10.2	98.236
		0-1.5: Broken core. Extremely low core recovery.	65	+18	1.5/1.5	2475	7.6	9.1	1.5	7.79	10.69	103.89			11.685	16.035	155.835
		1.5-1.8: Bleached phyllite interval (Sb). Yellowish white colour. Foliation = 85°. Contact = 85°	75	+18	1.5/1.5	2476	9.1	10.6	1.5	10.75	16.19	149.14			16.125	24.285	223.71
			75	10	1.3/1.5	2477	10.6	12.1	1.5	9.00	18.27	114.17			13.5	27.405	171.255
		4.4-4.5: Shear. Sliding plane marked by graphite flakes.	80	8	1.5/1.6	2478	12.1	13.7	1.6	12.10	21.36	153.26			19.36	34.176	245.266
		7.6: Gradual change to massive sulfides.	80	6	1.2/1.5	2479	13.7	15.2	1.5	9.38	16.56	123.09			14.07	24.84	184.635
7.6	16.7	MASSIVE SULFIDE ZONE (M) COMPETENT. Short runs of porous sulfides. Faint compositional banding = 85°	85	6	1.5/1.5	2480	15.2	16.7	1.5	9.12	17.94	163.20			13.68	26.91	244.8
			10	2	0.5/1.5	2481	16.7	18.2	1.5	0.13	1.65	2.06			0.195	2.475	3.09
		Concentration of Sph-Gal tends to just gradually build up w/no definite boundary except for rare cases where in it forms thin laminae alternating with Py.	20	5	1.3/1.6	2482	18.2	19.8	1.6	0.88	2.08	15.09			1.408	3.328	24.144
			30	6	1.0/1.5	2483	19.8	21.3	1.5	4.20	8.04	68.57			6.30	12.06	102.855
			35	6	1.0/1.5	2484	21.3	22.8	1.5	6.05	8.18	91.89			9.075	12.27	137.835
		12.7-12.9: Brecciated. Sulfide fragments healed by secondary minerals-mostly saccharoidal Py+clay.	40	5	1.1/1.5	2485	22.8	24.3	1.5	7.14	14.11	126.17			10.71	21.165	189.255
			20	3	0.8/1.6	2486	24.3	25.9	1.6	3.40	8.40	81.60			5.44	13.44	130.56



DDH: FAGU070 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1119 592187E ; 905048N

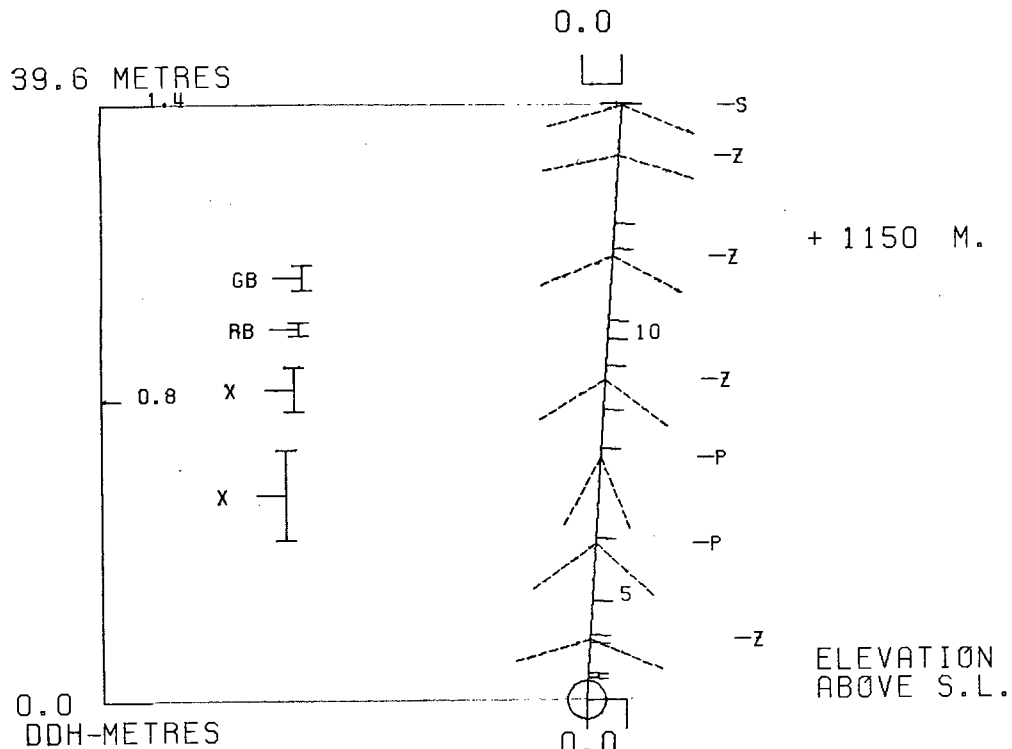
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 460.9 Z = 1119.4

SECTION NAME: 78W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 12 DEC 1984 3:45 PM



DDH: FAGU070 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1119 592187E ; 905048N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 460.9 Z = 1119.4

SECTION NAME: 78W

FAGU071

DRILL HOLE : FAGU071
NORTHING : 905,047.8
EASTING : 592,187.3
ELEVATION : 1,119.3
TOTAL DEPTH : 45.7
SECTION : W 78
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: 19
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 19
NOS DOWN-H-STRUCTURE: 9
NOS DOWN-H-FAULTS: 9
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17NOV83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 16

DDH: FAGU071 UTM-N: 905,047.8 UTM-E: 592,187.3 UTM-ELEV: 1,119.3 TOTAL DEPTH: 45.7 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	ASSAYS													
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
.0	.9	11587	.9	.5	4C1	3.08	.05	.41	.41	10.00		.47		9	10				
.9	1.3	11588	.4	.4	4L0	2.95	.01	.11	.13	5.00		.07	4	2	6				
1.3	3.1	11589	1.8	1.8	4A1	3.18	.08	1.90	1.12	31.99	34.00	1.23		11	11				
3.1	4.9	11590	1.8	1.7	4A14	3.14	.05	3.39	4.50	42.00		.81		6	7				
4.9	6.1	11591	1.2	.8	4A3	3.37	.02	1.14	2.70	23.00		.62	1	14	15				
6.1	7.9	11592	1.8	1.8	4A34	3.49	.05	2.10	4.90	44.00		1.78	1	16	17				
7.9	9.8	11593	1.9	1.4	4A34	3.39	.04	2.50	5.59	43.00		.81	1	14	15				
9.8	11.2	11594	1.4	1.3	4E4	4.59	.02	13.50	23.00	209.00		1.03	1	16	18				
11.2	12.6	11595	1.4	1.0	4E4	4.58	.14	9.80	19.60	166.00		1.10	2	23	25				
12.6	14.8	11596	2.2	2.1	4A34	3.24	.07	2.20	4.50	37.00		.81	1	14	15				
14.8	17.0	11597	2.2	2.2	4A34	3.16	.02	3.29	7.59	55.99		.47	1	10	11				
17.0	17.3	11598	.3	.3	4E4	3.79	.05	5.79	13.19	103.00		.62	1	20	21				
17.3	19.3	11599	2.0	1.8	4AE4	3.49	.05	2.79	5.79	53.00	53.00	.81		15	16				
19.3	21.3	11600	2.0	1.8	4AE4	3.33	.05	5.40	15.09	97.00		.68	1	10	11				
21.3	21.7	11601	.4	.4	4E4	3.89	.04	7.49	17.80	133.00		.62	1	17	19				
21.7	22.8	11602	1.1	.7	4EA4	3.31	.05	5.40	9.69	83.00		.89	1	9	10				
22.8	24.3	11603	1.5	1.2	4EA4	3.49	.11	7.90	12.40	125.99		1.43	1	11	12				
24.3	24.7	11604	.4	.3	4E84	4.29	.02	12.09	20.10	150.00		3.02	5	15	21				
24.7	26.2	11605	1.5	1.0	5A69	3.16	.02	1.86	3.70	35.00		.27	2	8	11				
WEIGHTED AVERAGE																			
.0	26.2		26.2	22.5		3.46	.05	4.24	8.21	70.19	6.38	.90	1	12	14				

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 17

DDH: FAGU071 UTM-N: 905,047.8 UTM-E: 592,187.3 UTM-ELEV: 1,119.3 TOTAL DEPTH: 45.7 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	25.000	41.700

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 18

DDH: FAGU071 UTM-N: 905,047.8 UTM-E: 592,187.3 UTM-ELEV: 1,119.3 TOTAL DEPTH: 45.7 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
0.9	0001	4C1	80 SERICITIC	0.5-	1
1.3	0002	4LC	81 (10Q0) 80:20	0.5-	1
4.9	0003	4A1	83 (4A14)	0.5-	1
6.1	0004	4A3		0.5-	1
9.8	0005	4A34	(4E54) 92:08	0.5-	1
12.6	0006	4E4	81 8 POROUS	0.5-	1
17.0	0007	4A34	81 (4E1 44)	0.5-	1
17.3	0008	4E4	BXA	0.5-	1
21.3	0009	4AE4	4A34 (4E481) 60:40	0.5-	1
21.7	0010	4E4		0.5-	1
22.8	0011	BXA	(4E084) (4A4) (4A1)	0.5-	1
24.7	0012	4E4	(4A381) (4E84 POROUS) 60:40:TR	0.5-	1
26.2	0013	5A69		0.5-	1
30.9	0014	5A6	89 (5B682)	0.5-	1
34.4	0015	5A6		0.5-	1
37.8	0016	5A6		0.5-	1
40.6	0017	5B80	[5D05]	0.5-	1
41.4	0018	5B0	88 [3G388]	0.5-	1
45.7	0019	5B80	[5D085]	0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 19

DDH: FAGU071 UTM-N: 905,047.8 UTM-E: 592,187.3 UTM-ELEV: 1,119.3 TOTAL DEPTH: 45.7 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU071	0.0	0.1	CS2	H	0	0	0	0	90	230	0		1	1	1
FAGU071	0.0	6.0	CS2	M	0	0	1	0	90	230	0		1	1	1
FAGU071	0.0	12.2	PS2	P	0	0	0	0	86	230	0		1	1	1
FAGU071	0.0	18.5	PS2	P	0	0	0	0	69	230	0		1	1	1
FAGU071	0.0	24.2			0	0	0	0	90	230	0		1	1	1
FAGU071	0.0	30.0	CS2	D	0	0	74	90	72	230	0		1	1	1
FAGU071	0.0	35.3	CS2	S	0	0	42	0	54	230	0		1	1	1
FAGU071	0.0	41.0	CS2	S	0	0	51	0	64	230	0		1	1	1
FAGU071	0.0	45.5	CS2	S	0	0	47	0	51	230	0		1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 20

DDH: FAGU071 UTM-N: 905,047.8 UTM-E: 592,187.3 UTM-ELEV: 1,119.3 TOTAL DEPTH: 45.7 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FAGU071	8.6	8.9	R				0	0	0	0	1
FAGU071	17.0	17.3	XD?				0	0	0	0	1
FAGU071	17.3	21.3	XQ				0	0	0	0	1
FAGU071	21.3	21.7	XQ				0	0	0	0	1
FAGU071	21.7	22.8	XD?				0	0	0	0	1
FAGU071	22.2	22.8	R	3			0	0	0	0	1
FAGU071	22.8	24.7	R				0	0	0	0	1
FAGU071	25.6	25.8	XQ				0	0	0	0	1
FAGU071	24.7	26.2	R				0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 21

DDH: FAGU071 UTM-N: 905,047.8 UTM-E: 592,187.3 UTM-ELEV: 1,119.3 TOTAL DEPTH: 45.7 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU071 1 1

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 6
Date: 6 SEPT/81

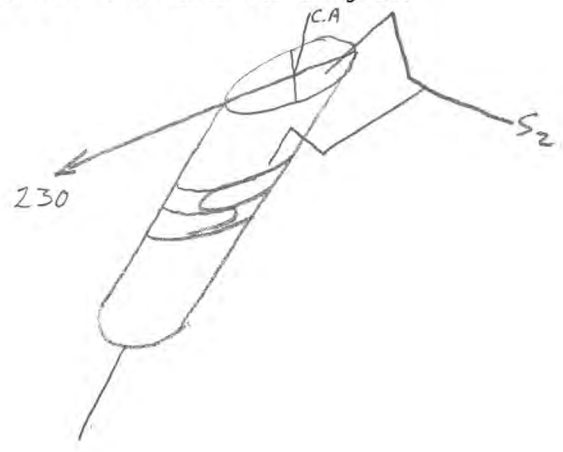
Hole Number: FAGU-071 (76-U-71)

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

Location: SECTION 78 W

Claim: —



UTM

Terr. Plane Co-ords.: 6 905 047.8m N

Conversion of
K&A grid

592 187.3m E

Grid Co-ords: 3 N

78 W

Elevation: 1119.3 m

All symmetry determinations looking

NW with S₂ dipping

Total Depth: 45.7m

SW with dip azimuth 230°.

Purpose: DEFINITION- GRUM DEPOSIT.

Reason hole Terminated: THROUGH MAIN SULPHIDE ZONE

Logged by: GG

Date(s) Logged: 6 SEPT/81

Drilling Contractor: —

Size	CORE From	To	Collar Cased and Capped:
<u>BQ</u>	<u>0.0</u>	<u>45.7</u>	<u>—</u>

Hole Cemented: —

Steel down hole: —

Started: 28 APRIL/76 Completed: 29 APRIL/76

DDH FAG 4071
2 8

Diamond Drill Core Log Date: 6 Sept 81 Logged By: GG

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E
I	2 8 10 16 17 24 25 32 34 39 41 42					
T	FAG 4071	1119.3	9050.47.8	5921.87.3	METERS	52

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8 10 14 22 26 28 32 34 56				
R	FAG 4071	20	25.0	40.0	AT COLLAR 41.7 for True North

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

DDH F.A.G.U.07.1
2 8

Cyprus Anvil Mining Corp.

Page 3 of 6

Lithologic Log

Date: 6 Sept/81 Logged By: GG

Code	From		To		Recov.		No.		Unit	Description	EOT CNT	
	10	14	16	20	22	24	26	28			30	34
										* Note - This DDH DRILLED UPWARD FROM MINE DRIFT		
L	100		109				0101		AK11	±0 - SERICITIC		11S ₂
L	109		113				12		AL10	±1 + (20% = 10 QD 11S ₂)		11S ₂
L	113		119				13		AA11	±3+ (4A14); C-PARTINGS	COARSE RUBBLE → 20cm	
L	119		161				14		A1A3	C+ (3G12 - FINELY INTERBAND)		
L	161		198				15		A1A3A	+(3G12 - F.I.B) + C-PARTINGS	3 cm BRECCIA 11S ₂	
										+(4E54 @ 6.4-6.7 m)		
										COARSE RUBBLE 8.6-8.9m		
L	198		126				16		4E4	±1 ± (POROUS & SLIGHTLY CALC) ^{TOWARD EOT}		11S ₂
L	126		170				17		A1A3A	±1 + (<10cm THICK 4E4 BANDS)		11S ₂
L	170		173				18		4E4	BRECCIA - 4E4 + 4J CLASTS		11S ₂
										IN 4E4 + QZ CLOSED MATRIX;		
										CLASTS USU <1cm DIA;		
L	173		213				19		A1A1E4	(4A34 (60%) + 4E4 ±1 (40%))	PROB 11S ₂	
										19.5 - EOI - 2% VARIABLY ORIENTED		
										RAGGED QZ GASHES + MINOR		
										BRECCIATION - ASSOCIATED WITH		
										UNIT II BRECCIA - FAULT.		
L	213		217				110		A1E4	± CRACKLE BRECCIA	INDISTINCT-GRADATIONAL	11S ₂ 7
L	217		228				111		A1E1A	BRECCIA	RUBBLE	
										4E0-4E4-4A9-4A1 ANGULAR TO		
										ROUNDED, <1cm DIA CLASTS IN		
										QZ-SULPHIDE HEALED CLOSED		
										MATRIX:		
										22.2 - EOI = COARSE RUBBLE &		
										20cm RECOVERY;		
L	228		247				12		A1E1A, A	(4E4 (60%) + 4A3 ±1 (40%))	RUBBLE PROB 11S ₂	
										+(4E8A - POROUS & SLIGHTLY CALC @ 40cm EOI)		
										UNIT = 30% COARSE RUBBLE;		
L	247		262				13		5A69	→ ^{LOCALLY} 5% PYRITE, HIGH CARBON	PROB 11S ₂	
										+ (10Q0 + 5A6 BRECCIA @		
										25.6-25.8)		
										+(4E4 @ 26.1-26.2 m)		
										UNIT = 80% COARSE RUBBLE;		
L	262		309				14		5A6	+(5B6 ± 2) ± 9 ± HIGH CARBON	STRIPES 50cm	11S ₂

METRES

DDH F.A.G.U.07.1
2 8

Cyprus Anvil Mining Corp.

Page 4 of 6

Lithologic Log

Date: 6 Sept/81 Logged By: GG

METRES

Code	From					To					Recov.	No.	Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28	30	34					35	TYPE
L		309		344								115	51A6	HIGH CARBON		115 ₂
L		344		378								116	51A6	LOW CARBON		115 ₂
L		378		406								117	51D35	5B0		115 ₂
L		406		414								118	3G3	±8	GRADES 5cm	115 ₂
L		414		457								119	5B3	45 - HAS THE APPEARANCE		
													5B810	FOR MOST PART AS A VERY		
														CHLORITIC 3G3/5B3;		
														END OF HOLE @ 45.7m		

DDH F.A.G.U.07.1
2 8

Cyprus Anvil Mining Corp.

Page 7 of 10

Structural Log

Date: 6 Sept/81 Logged By: GG

METRES

Code	From		To		Feature	E S	S ₀		S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	32	34	
S					CSZH						90	230	POSS. M ₂
S				60	CSZM				010	010	910		NOTE - S ₂ MUST BE NOTICED DIPPING HERE!
S				122	INDR						816		S-BANDS
S				185	STINDR						69		FA @ 30/00
S				242	INDR						910		
S				300	CSZD				714	0910	712		
S				353	CSZS				412	100	514		ONE GOOD S-OBSERVED
S				410	CSZS				511	100	614		
S				455	CSZS				417	100	511		
													END OF HOLE @ 45.7m

Meters

FAULT

DDH FAG.40.71
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description			
	10	14	16	20	22	24	26	28			32	34	38	40	44	Dip		Direct.	Dip	Direct.
F		18	6		18	9	R ₁													Coarse rubble
F		117	0		117	3	X ₁ D ₁ [?]													Bxa, 4E4 & 4S clasts in
F																				4E4 + gtz matrix
F		117	3		121	3	X ₁ Q ₁													ragged gtz gashes + minor
																				bxa tions
F		121	3		121	7	X ₁ Q ₁													crackles bxa
F		121	7		122	8	X ₁													bxa 4E & 4A clasts in
																				gtz - sulphide matrix
F		122	2		122	8	R ₁	3												33% recovery in coarse rubble
F		122	8		124	7	R ₁													unit 30% coarse rubble
F		125	6		125	8	X ₁ Q ₁													gtz vein bxa w/ SA -
F		124	7		126	2	R ₁													unit 80% coarse rubble

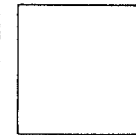
DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

D. D. H. No 76-U-71 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE 10844.371 N 3N STARTED APRIL 28, 1976
 DEPARTURE 7495.545 E 78W COMPLETED APRIL 29, 1976
 ELEVATION 1129.904 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 45.7

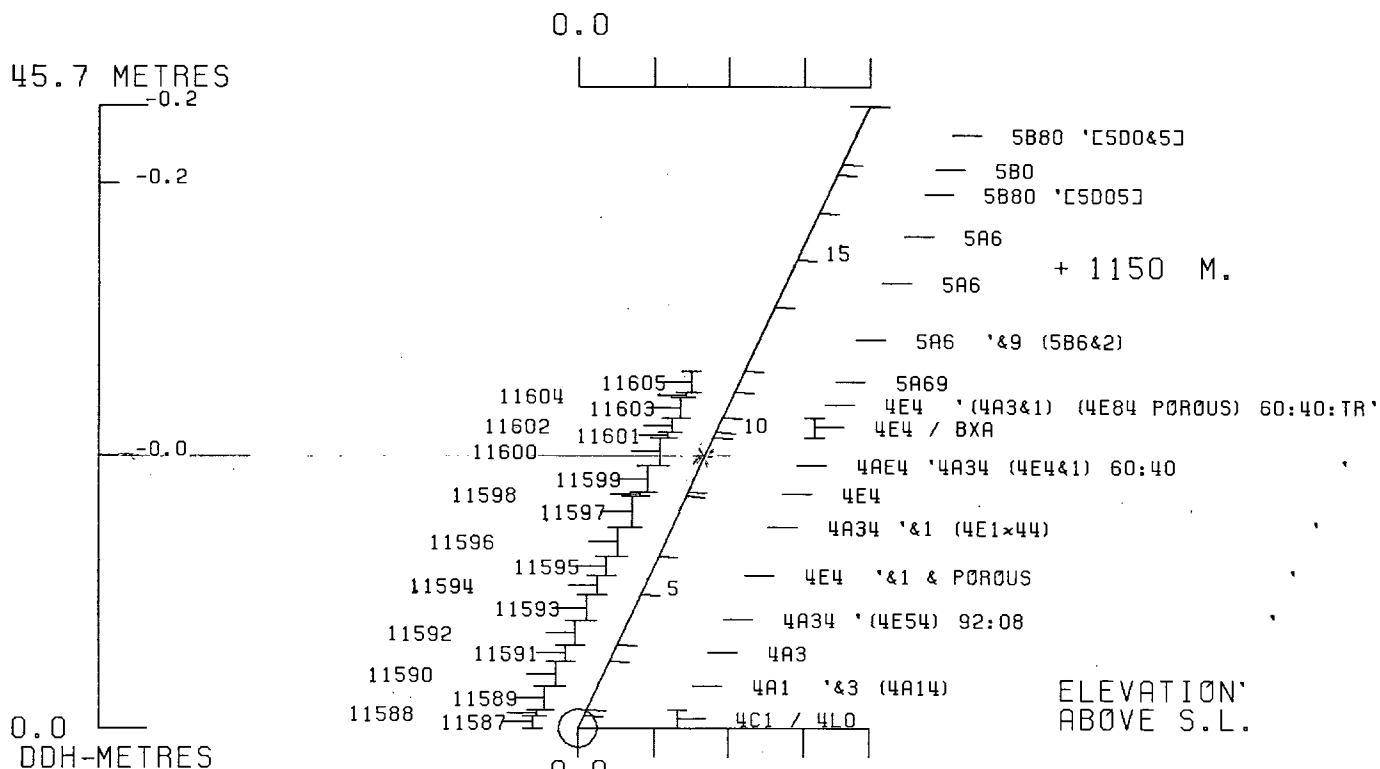
HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	41° 39'	+65°



CLAIM No _____
 DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 87.9%

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	10.6	QUARTZ-SERICITE SULFIDE (P). Competent. Foliation 20 2			1.0/1.5	2487	0	1.5	1.5	0.33	0.19	7.20						
		=85° (F) characterized by sericite flakes and small 120 3			1.5/1.5	2488	1.5	3.0	1.5	2.50	1.50	32.23			3.75	2.25	48.345	
		trace of graph. Another foliation of crenulated 25 5			1.4/1.5	2489	3.0	4.5	1.5	3.75	4.35	44.23			5.625	6.525	66.345	
		ser. and bead like qtz. usually asso. w/sulf. trains 30 5			1.0/1.5	2490	4.5	6.0	1.5	1.28	2.80	20.23			1.92	4.20	30.345	
		has axial plane approx.=80°. C to C plane=15° (F). 30 6			1.2/1.6	2491	6.0	7.6	1.6	2.45	4.45	40.46			3.92	7.12	64.736	
		4.6: Broken grd. Pebble size angular to sub-round- 30 6			0.9/1.5	2492	7.6	9.1	1.5	1.98	3.80	31.20			2.97	5.70	46.80	
		ded fragments of ser. phyll. w/some sulf. showings. 35 6			0.9/1.5	2493	9.1	10.6	1.5	6.74	11.66	82.63			10.11	17.49	123.945	
		10.6: Sharp change to MASSIVE SULFIDES (M). Con- 75 +15			1.0/1.5	2494	10.6	12.1	1.5	15.03	23.74	223.89			22.545	35.61	335.835	
		tact broken ground. 50 15			1.5/1.6	2495	12.1	13.7	1.6	4.95	11.00	72.69			7.92	17.6	116.304	
10.6	12.5	MASSIVE SULFIDES (M). Competent w/short runs of 35 10			1.5/1.5	2496	13.7	15.2	1.5	1.73	3.80	27.43			2.595	5.70	41.145	
		porous massive sulfide (MV). Faint compositional 35 10			1.5/1.5	2497	15.2	16.7	1.5	2.63	5.96	36.34			3.945	8.94	54.51	
		banding approx. equal to 75-80°. 40 10			1.5/1.5	2498	16.7	18.2	1.5	4.18	9.32	59.31			6.27	13.98	88.965	
		12.5: Sharp contact w/quartz-sericite. Sulf.(P)=85° 35 8			1.5/1.6	2499	18.2	19.8	1.6	4.37	8.76	74.74			6.992	14.016	119.545	
12.5	25.9	QUARTZ-SERICITE SULFIDE (P). Competent w/short runs 35 15			1.5/1.5	2500	19.8	21.3	1.5	4.42	12.28	66.51			6.63	18.42	99.765	
		of massive sulfides. Foliation=75° characterized 40 15			1.0/1.5	2501	21.3	22.8	1.5	6.14	13.10	94.63			9.21	19.65	141.945	
		by dark thin laminae of graphitic material alter- 40 10			1.0/1.5	2502	22.8	24.3	1.5	7.94	11.97	114.17			11.91	17.955	171.255	
		nating w/qtzo-feldspathic minerals & train of sulfs. 25 4			1.4/1.6	2503	24.3	25.9	1.6	3.58	6.93	45.26			5.728	11.088	72.416	

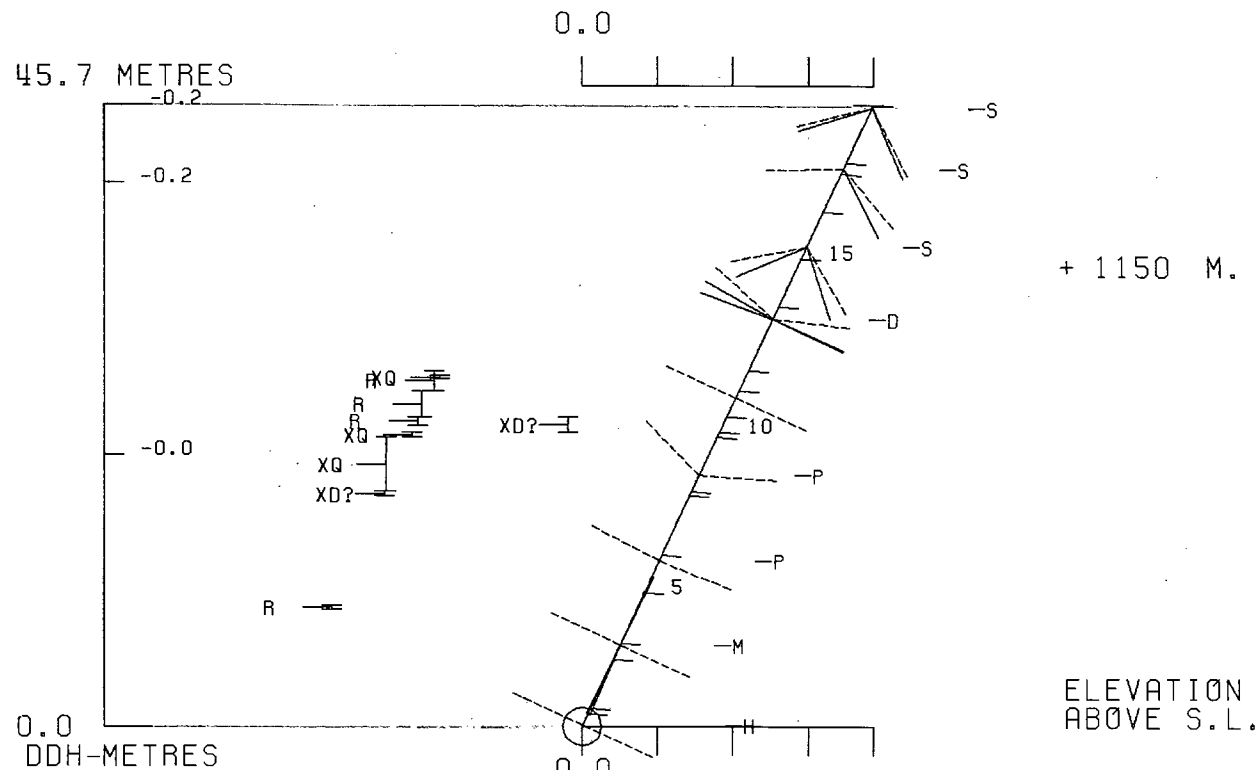


DDH: FAGU071 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1119 592187E ; 905048N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 461.2 Z = 1119.3
 SECTION NAME: 78W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 12 DEC 1984 3:46 PM



DDH: FAGU071 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1119 592187E ; 905048N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 461.2 Z = 1119.3

SECTION NAME: 78W

FAGU072

DRILL HOLE : FAGU072
NORTHING : 905,046.2
EASTING : 592,186.8
ELEVATION : 1,114.0
TOTAL DEPTH : 137.3
SECTION : W 78
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: 38
NOS DOWN-H-SURVEYS: 3
NOS DOWN-H-LITHOLOGY: 65
NOS DOWN-H-STRUCTURE: 23
NOS DOWN-H-FAULTS: 2
NOS DOWN-H-SPLINES: 3
NOS COMPOSITES: 0

17NOV83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 2

DDH: FAGU072 UTM-N: 905,046.2 UTM-E: 592,186.8 UTM-ELEV: 1,114.0 TOTAL DEPTH: 137.3 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE INT. NO.	REC.	ROCK UNIT	S.G. PULP	ASSAYS														
FROM	TO					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	2.0	11803	2.0	1.6	4A0	3.12	.10	2.20	1.30	29.99		.89	1	11	12					
2.0	4.0	11804	2.0	1.6	4A0	3.18	.11	1.85	.68	28.99		1.30	1	12	13					
4.0	6.0	11805	2.0	1.8	4A0	3.16	.11	3.00	.80	45.00		.81	1	11	12					
6.0	8.0	11806	2.0	2.0	4A0	3.12	.11	.99	.46	20.00		.81	1	11	12					
8.0	10.0	11807	2.0	1.9	4A0		.10	.90	.72	18.00										
10.0	11.7	11808	1.7	1.5	4A0		.10	.57	.91	10.00										
11.7	13.6	11809	1.9	1.6	4A0		.05	.33	.54	9.00										
13.6	15.8	11810	2.2	2.0	4ACL		.08	.23	.35	6.99										
15.8	17.3	11811	1.5	1.2	4A0		.11	.26	.55	6.99										
17.3	19.0	11812	1.7	1.6	4A10	3.08	.11	.84	1.78	20.00		.75	1	9	11					
19.0	20.5	11813	1.5	1.2	4A0	3.10	.08	1.72	1.99	26.00		1.10	1	10	11					
20.5	22.2	11814	1.7	1.5	4A4	4.04	.28	2.60	3.49	53.00		1.37	1	28	30					
22.2	24.3	11815	2.1	2.0	4AE	3.77	.20	.65	1.28	28.99		.89	1	26	27					
24.3	25.9	11816	1.6	1.1	4A34	3.00	.08	2.20	3.20	37.00		1.10	1	5	7					
25.9	27.9	11817	2.0	1.9	4A4	3.93	.23	2.02	3.10	41.00		1.30	1	27	28					
27.9	30.4	11818	2.5	2.3	4AE	3.81	.08	1.57	2.60	46.00	44.00	.81	1	19	21					
40.5	42.0	11819	1.5	1.4	4EC	3.41	.02	1.37	1.06	26.00		.27	5	14	19					
42.0	42.7	11820	.7	.5	400	3.95	.14	3.00	5.20	69.00		.81	1	21	23					
63.4	65.2	11821	1.8	1.6	4EA		.05	1.44	2.29	27.00										
103.0	104.7	11823	1.7	1.7	4A03	3.49	.14	1.67	2.50	27.00		.81	2	17	19					
104.7	106.0	11822	1.3	1.3	4E60	4.25	.13	3.10	3.39	43.00		.55	1	27	29					
106.0	107.5	11824	1.5	1.4	4EA	3.12	.08	.69	.97	13.99		.75	3	10	14					
107.5	109.0	11825	1.5	1.3	4A13	3.08	.16	1.34	1.67	23.00		.68	3	7	11					
109.0	110.2	11827	1.2	1.1	4A13	2.83	.02	.49	1.14	9.00		.27	1	1	3					
110.2	111.7	11826	1.5	1.4	4E8	4.11	.26	2.89	2.89	45.00		1.70	2	35	38					
114.2	116.8	11829	2.6	1.2	4A0	3.02	.10	.76	1.70	13.00		.20	1	8	9					
116.8	118.0	11828	1.2	1.2	4AEL	3.27	.08	.92	1.38	15.99		1.98	3	13	16					
118.0	120.0	11830	2.0	2.0	4A0	2.99	.05	.90	1.52	21.00	19.00	.47	1	7	8					
120.0	122.0	11832	2.0	1.2	4A0	2.91	.02	.99	1.68	19.00		.55	2	4	6					
122.0	123.6	11831	1.6	1.6	4EAH	3.95	.07	1.47	1.71	36.00		1.37	10	24	34					
123.6	124.6	11834	1.0	.8	4A4	2.85	.05	2.50	.70	5.00		2.60	1	3	5					
124.6	126.6	11833	2.0	2.0	4D45	3.50	.16	7.20	12.69	125.99		2.19	2	10	12					
126.6	128.6	11835	2.0	2.0	4D45	3.56	.02	9.00	19.60	159.00		2.81	2	7	9					
128.6	131.0	11836	2.4	2.4	4D4	3.54	.10	7.29	15.69	114.99		1.85	2	7	9					
131.0	132.9	11837	1.9	1.9	4A30	3.77	.02	1.44	3.10	38.00		1.85		23	24					
132.9	134.1	11838	1.2	1.2	4EG	4.02	.04	2.29	5.50	54.00		.27		27	27					
134.1	135.6	11839	1.5	1.3	4D45	3.58	.11	8.80	14.19	141.00		1.43	2	9	11					
135.6	137.1	11840	1.5	1.5	4D45	3.62	.04	10.00	14.49	156.00	162.00	1.70	2	8	10					
WEIGHTED AVERAGE																				
.0	30.4		30.4	26.8		2.37	.12	1.37	1.46	27.11	3.61	.69	1	11	12					
40.5	42.7		2.2	1.9		3.58	.06	1.89	2.37	39.68		.44	3	17	21					
63.4	65.2		1.8	1.6			.05	1.44	2.29	27.00										
103.0	111.7		8.7	8.2		3.48	.13	1.71	2.11	27.08		.82	2	16	19					
114.2	137.1		22.9	20.3		3.41	.07	4.16	7.58	70.92	12.27	1.43	2	11	13					

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 3

DDH: FAGUD72 UTM-N: 905,046.2 UTM-E: 592,186.8 UTM-ELEV: 1,114.0 TOTAL DEPTH: 137.3 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	146.200	224.200
45.700	161.500	224.000
112.800	172.000	224.000

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 4

DDH: FAGU072 UTM-N: 905,046.2 UTM-E: 592,186.8 UTM-ELEV: 1,114.0 TOTAL DEPTH: 137.3 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
11.7	0001	4A0	(4A310)	0.5-	1
12.2	0002	4A1	PHYLLITIC	0.5-	1
13.6	0003	4A0		0.5-	1
14.8	0004	4L14	-> 4L1427	0.5-	1
15.5	0005	4A10		0.5-	1
15.8	0006	4C0	PHYLLITIC	0.5-	1
17.3	0007	4A0		0.5-	1
19.0	0008	4A10	PHYLLITIC ->[4C5]	0.5-	1
22.2	0009	4A0	(4A4) AT BASE	0.5-	1
23.3	0010	4A43		0.5-	1
24.3	0011	4E0	& POROUS	0.5-	1
25.9	0012	4A34		0.5-	1
27.9	0013	4A4		0.5-	1
29.5	0014	4A30	(4E0)	0.5-	1
30.4	0015	4E4	& POROUS	0.5-	1
40.5	0016	5B2\$		0.5-	1
41.0	0017	4C0	(4COPHYLLITIC)[4L1V.SILICEOUS]	0.5-	1
42.0	0018	4E46	-> 4E416# (4G#)	0.5-	1
42.4	0019	5D4@		0.5-	1
42.7	0020	4D0	PHYLLITIC	0.5-	1
53.7	0021	5B2\$		0.5-	1
54.6	0022	5B20		0.5-	1
58.9	0023	5B2\$		0.5-	1
59.1	0024	5D0		0.5-	1
63.4	0025	5B20		0.5-	1
63.5	0026	4A4		0.5-	1
64.3	0027	4E4		0.5-	1
64.8	0028	4E46	-> 4E46#	0.5-	1
65.2	0029	4A0	(4A30)	0.5-	1
66.9	0030	5B20	(5A0)	0.5-	1
67.2	0031	5D0	(10Q0*)	0.5-	1
67.4	0032	4A4	NON PYRITIC	0.5-	1
67.6	0033	5D0		0.5-	1
70.6	0034	5B20	(5A0) (5D0) MINOR	0.5-	1
70.8	0035	5D6	(5A0)	0.5-	1
73.0	0036	5A\$	(4A10)	0.5-	1
73.5	0037	5B\$		0.5-	1
74.6	0038	5D0		0.5-	1
97.1	0039	5B0	(5D0) MINOR	0.5-	1
103.0	0040	5B\$	-> @	0.5-	1
103.6	0041	4A4		0.5-	1
104.7	0042	4A0	(4A43) [5A19(4E0)]	0.5-	1
106.0	0043	4E6@	(4K0)	0.5-	1
106.8	0044	4A0		0.5-	1
107.5	0045	4E6\$		0.5-	1
110.2	0046	4A13	-> 4A134 [4A34]	0.5-	1
111.7	0047	4E\$	(4C3)	0.5-	1
114.2	0048	5B\$	(10Q0)	0.5-	1
116.8	0049	4A0		0.5-	1
117.1	0050	4L1		0.5-	1
117.8	0051	4A0	(4A3)	0.5-	1

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 5

DDH: FAGU072 UTM-N: 905,046.2 UTM-E: 592,186.8 UTM-ELEV: 1,114.0 TOTAL DEPTH: 137.3 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
118.0	0052	4E40		0.5-	1
122.0	0053	4A0		0.5-	1
123.1	0054	4E0		0.5-	1
123.4	0055	4H0		0.5-	1
123.5	0056	4A0		0.5-	1
123.6	0057	4L7		0.5-	1
124.6	0058	4A4		0.5-	1
129.1	0059	4D45	[4A41]	0.5-	1
131.0	0060	4D4		0.5-	1
132.9	0061	4A30	-> 4A34 BXA [4E15]	0.5-	1
133.6	0062	4E0	(4E1)	0.5-	1
134.1	0063	4G4\$	[4G41\$]	0.5-	1
137.1	0064	4D45	[4A41]	0.5-	1
137.3	0065	4L0		0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 6

DDH: FAGU072 UTM-N: 905,046.2 UTM-E: 592,186.8 UTM-ELEV: 1,114.0 TOTAL DEPTH: 137.3 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU072	0.0	2.3	CS2	Z	0	0	45	180	75	230	0		1	1	1
FAGU072	0.0	7.6	CS2	Z	0	0	30	180	65	230	0		1	1	1
FAGU072	0.0	12.3	CS2	Z	0	0	25	180	70	230	0		1	1	1
FAGU072	0.0	18.0	CS2	Z	0	0	70	180	75	230	0		1	1	1
FAGU072	0.0	23.1	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGU072	0.0	27.7	CS2	Z	0	0	70	180	75	230	0		1	1	1
FAGU072	0.0	32.1	CS2	Z	0	0	35	180	70	230	0		1	1	1
FAGU072	0.0	38.9	CS2	S	0	0	0	0	65	230	0		1	1	1
FAGU072	0.0	43.3	CS2	Z	0	0	50	180	60	230	0		1	1	1
FAGU072	0.0	50.4	CS2	Z	0	0	35	180	75	230	0		1	1	1
FAGU072	0.0	56.5	CS2	Z	0	0	40	180	70	230	0		1	1	1
FAGU072	0.0	62.2	CS2	S	0	0	20	0	70	230	0		1	1	1
FAGU072	0.0	68.3	CS2	S	0	0	15	0	55	230	0		1	1	1
FAGU072	0.0	74.6	CS2	S	0	0	20	0	65	230	0		1	1	1
FAGU072	0.0	80.6	CS2	Z	0	0	80	180	75	230	0		1	1	1
FAGU072	0.0	87.0	CS2	Z	0	0	45	180	65	230	0		1	1	1
FAGU072	0.0	93.1	CS2	S	0	0	30	0	75	230	0		1	1	1
FAGU072	0.0	100.5	CS2	S	0	0	20	0	70	230	0		1	1	1
FAGU072	0.0	106.7	CS2	S	0	0	25	0	70	230	0		1	1	1
FAGU072	0.0	112.0	CS2	Z	0	0	20	180	60	230	0		1	1	1
FAGU072	0.0	120.0	CS2	Z	0	0	20	180	70	230	0		1	1	1
FAGU072	0.0	128.4		P	0	0	0	0	60	230	0		1	1	1
FAGU072	0.0	130.5		P	0	0	0	0	30	230	0		1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 7

DDH: FAGU072 UTM-N: 905,046.2 UTM-E: 592,186.8 UTM-ELEV: 1,114.0 TOTAL DEPTH: 137.3 SECTION: W 78
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	
FAGU072	131.0	132.9	PF?				0	0	0	0	1
FAGU072	135.6	137.1	R		4		0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DM020)

PAGE: 8

DDH: FAGU072 UTM-N: 905,046.2 UTM-E: 592,186.8 UTM-ELEV: 1,114.0 TOTAL DEPTH: 137.3 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU072	1	2
FAGU072	2	2
FAGU072	3	1

DIAMOND DRILL CORE LOG

Date: 19 Sept 81

Hole Number: FAGU 072

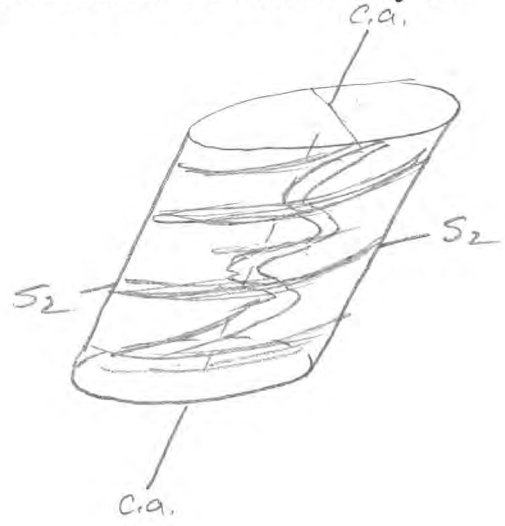
Reference Fabric Orientation Diagram:

Project: Grum

Location: Section 78W

Claim: _____

Terr. Plane Co-ords.: 905046.2 N



conversion of K-A Grid

592186.8 E

Grid Co-ords: L 78W+00 / 3N

All symmetry determinations looking

Elevation: 1114.0

NW with S2 dipping

Total Depth: 137.3M

SW with dip azimuth 230.

Purpose: Definition Drilling

Reason hole Terminated: _____

Logged by: RSJ

Date(s) Logged: 15, Sept. 81

Drilling Contractor: Cameron - Mcateheon

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>137.3M</u>	

Hole Cemented: _____

Steel down hole: _____

Started: 29 Apr. '76 Completed: 2 May '76

DDH FAGU072
2 8

Diamond Drill Core Log

Date: 15 Sept 81 Logged By: DSJ

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E
I	2 8 10 16 17 24 25 32 34 39 41 42					
T	FAGU072	1114.0	905046.2	592186.8	METERS	52

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8 10 14 22 26 28 32 34 56				224.2 for True North
R	FAGU072	00	146.3	222.7	AT COLLAR
①	R FAGU072	457	161.5	224.0	SPERRY SUN
②	R FAGU072	1128	172.0	224.0	
					① OBSERVED IAZI = 3159°
					② OBSERVED IAZI = 115°

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
I	2 8 10 56	
C	FAGU072	IAZI FOR SPERRY-SUN FUDGED FROM OBSERVED

Lithologic Log

Date: 15 Sept 81 Logged By: DSJ

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L		100		117		1	4A01	(4A310) ; low grade		
L		117		122		2	4A11	phyllitic, low grade		
L		122		136		3	4A0			
L		136		148		4	4L14	⇒ 4L1427		
L		148		155		5	4A10			
L		155		158		6	4C0	phyllitic		
L		158		173		7	4A0			
L		173		190		8	4A10	phyllitic ⇒ [4C5]		
L		190		222		9	4A0	±4 see assays		
L		222		233		10	4A13	>50% pyrite but not ⇒ 4E		
L		233		243		11	4E4	≈ 6% comb; ± porous see assays		
L		243		259		12	4A34	see assays		
L		259		279		13	4A41			
L		279		295		14	4A30	(4E0)		
L		295		304		15	4E4	± porous		
L		304		405		16	5B2*	dolomitic; [5B02 FeMgCO ₃]		
L		405		410		17	4C0	(4C0 phyllitic) ; [4L1 very silicious]		
L		410		420		18	4E46	→ 4E46* calcitic (4G* calcitic)		
L		420		424		19	5DH*	ankeritic, <1% fuchsite		
L		424		427		20	4E4	phyllitic see assays		
L		427		537		21	5B2*	dolomitic as #16; carbonate bands react w/ HCl in 10%, strongly in 20%		
L		537		546		22	5B20			
L		546		589		23	5B2*	dolomitic as #16, 21		
L		589		591		24	5D0			
L		591		634		25	5B20			
L		634		635		26	4A41			
L		635		643		27	4E46			
L		643		648		28	4E46	→ 4E46* calcitic		
L		648		652		29	4A0	(4A30)		
L		652		669		30	5B20	(5A0) mod. calc.		
L		669		672		31	5D0	w/ 0Q0* sweets		
L		672		674		32	4A41	non-pyritic		
L		674		676		33	5D0			
L		676		706		34	5B20	(5A0) mod. calc. as #30; 5D0 68.0-68.1		
L		706		708		35	5D0	(5A) w/ 0Q0* dol		

Lithologic Log

Date: 15 Sept 81 Logged By: DSJ

Code	From		To		Recov.		No.		Unit	Description	
	10	14	16	20	22	24	26	28			30
L	708		730						36	5A*	dol. (4A10)
L	730		735						37	5B*	dol. [5B0 FeMg CO ₃]; > 30% CO ₃ ²⁻
L	735		746						38	5DQ	normal, calc.
L	746		971						39	5BQ	" EOV; 500 interbeds 82.9-83.1 and 89.1-89.3 M
L	971		1030						40	5B*	dol → ank; [5B0 FeMg CO ₃] EOV
L	1030		1036						41	4A4	
L	1036		1047						42	4A0	(4A43); [5A19 (4E0)]
L	1047		1060						43	4E6*	ankentic; (4K0); no fgs in 10%
L	1060		1068						44	4A0	
L	1068		1075						45	4E6*	dolomitic; fgs in 10%
L	1075		1102						46	4A13	→ 4A134 ≈ 5% comb.; [4A34]
L	1102		1117						47	4E*	dolomitic; fgs in 10% (4C3)
L	1117		1142						48	5B*	" ; shaly brownish gray dol phyll w/ numerous ODO
L	1142		1168						49	4A0	wkly pyritic & v. thinly laminated
L	1168		1171						50	4A1	
L	1171		1178						51	4A0	(4A3) c.f. #49
L	1178		1180						52	4E4*	ankentic; no fgs in 10% only 20%
L	1180		1220						53	4A0	thinly laminated
L	1220		1231						54	4E0	
L	1231		1234						55	4A0	
L	1234		1235						56	4A0	
L	1235		1236						57	4A7	
L	1236		1246						58	4A4	
L	1246		1291						59	4D45	[4A41] supergrade ≈ 25% comb.
L	1291		1310						60	4D4	≈ 23% comb.
L	1310		1329						61	4A30	⇒ 4A34 ≈ 5% comb.; banded; [4E15]
L	1329		1334						62	4E0	(4E1)
L	1336		1341						63	4G4*	dolomitic; [4G41* dolomitic]
L	1341		1371						64	4D45	[4A41] > 20% comb.; com veed 135.6-137.1
L	1371		1373						65	4A0	fault?

Structural Log

Date: 15 Sept '81 Logged By: [Signature]

Code	From				To				Feature	S	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
S				23	CS	Z					45	050	75	230			
S				76	CS	Z					30	050	65	230			
S				123	CS	Z					25	050	70	230			
S				180	CS	Z					70	050	75	230			
S				231	RS								80	230			
S				277	CS	Z					70	050	75	230			
S				321	CS	Z					35	050	70	230			
S				387	CS	ZS							65	230			
S				433	CS	Z					50	050	60	230			
S				504	CS	Z					35	050	75	230			
S				565	CS	Z					40	050	70	230			
S				622	CS	ZS					20	230	70	230			
S				683	CS	ZS					15	230	55	230			
S				746	CS	ZS					20	230	65	230			
S				806	CS	Z					80	050	75	230			
S				870	CS	Z					45	050	65	230			
S				931	CS	ZS					30	230	75	230			
S				1005	CS	ZS					20	230	70	230			
S				1047	CS	ZS					25	230	70	230			
S				1120	CS	Z					20	050	60	230			
S				1200	CS	Z					20	050	70	230	<i>many symm. Δs ≈ 120M</i>		
S				1284		R							60	230			
S				1305		R							30	230			

ASSAY LOG (SAMPLER'S COPY)

Date 15 Sept 81

Sampled by DSJ

CODE	FROM		TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION						
	10	14	16						20	22	26	28	30	32
P	10	14	16	20	22	26	28	30	32	34	36	40	42	
P		10		12	11803		20		16		4A01			
P		12		14	11804		20		16		4A01			
P		14		16	11805		20		18		4A01			
P		16		18	11806		20		20		4A01			
P		18		10	11807		20		19		4A01			
P		10		11	11808		17		15		4A01			
P		11		13	11809		19		16		4A01			
P		13		15	11810		22		20		4ACL			
P		15		17	11811		15		12		4A01			
P		17		19	11812		17		16		4A110			
P		19		20	11813		15		12		4A01			
P		20		22	11814		17		15		4A01			
P		22		24	11815		21		20		4AE			
P		24		25	11816		16		11		4A30			
P		25		27	11817		20		19		4A41			
P		27		30	11818		25		23		4AE			
P		40		42	11819		15		14		4EG			
P		42		42	11820		07		05		4C01			(504*)
P		63		65	11821		18		16		4EA1			
P		103		104	11822		17		18		4AC			(4A4)
P		104		106	11823		13		13		4EA			
P		106		107	11824		15		14		4EA			
P		107		109	11825		15		13		4A13			
P		109		110	11826		12		11		4A13			
P		110		111	11827		15		14		4EA*			
P		114		116	11828		24		12		4A01			
P		116		118	11829		12		12		4AE			
P		118		120	11830		20		20		4A01			
P		120		122	11831		20		12		4A01			
P		122		123	11832		24		10		4EAH			↙ Switch assay tag #'s to correspond to rock type & K-A assays
P		123		124	11833		10		08		4A41			
P		124		128	11834		20		20		4D45			↙ Switch assay tag #'s to correspond to rock type & K-A assays

JCP OCT/1983

ASSAY LOG (SAMPLER'S COPY) Date 15 Sept 81

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
		1260		1286		11835		20		120		4D45	
P		1286		1310		11836		24		124		4D41	
P		1310		1329		11837		19		119		4A30	
P		1329		1341		11838		12		112		4G44* dot	
P		1341		1356		11839		15		115		4D45	
P		1356		1371		11840		15		115		4D45	

Meters

FAULT

DDH FAG4072
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
F	11315	6	11317	1	R	4								40% recovery <i>fault?</i>
F	11311	0	11312	9	X									<i>brake</i>

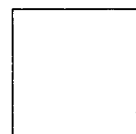
DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

D. D. H. No 76-U-72 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE 10 842.738 3N STARTED APRIL 29, 1976
 DEPARTURE 7494.992 78W COMPLETED MAY 2, 1976
 ELEVATION 1124.623 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 137.3

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224° 08'	-56° 15'



CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 93%

Interval		DESCRIPTION	Pb+ Py Zn	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	30.4	QUARTZ-SERICITE SULFIDE (P). Competent. Foliation =	25 3	1.3	2504	0	1.5	1.5	2.08	1.32	22.29			3.12	1.98	33.435
		75° (F). F as stretched S-shaped fold c to c plane	25 5	0.9	2505	1.5	3.0	1.5	2.50	1.00	25.37			3.75	1.5	38.055
		=0-10° w/axial plane // to F. Trace of graphite.	25 5	1.5	2506	3.0	4.5	1.5	3.00	1.44	38.40			4.5	2.16	57.6
		Sulfide oftentime following F, sometime F, sometime	25 5	1.5	2507	4.5	6.1	1.6	2.10	0.66	29.14			3.36	1.056	46.624
		partly disseminated in the grdmass. Cpy blebs.	30 5	1.5	2508	6.1	7.6	1.5	1.25	0.52	16.11			1.77	PbZn	
		14-15.2: Bx. Phyllite, qtz, sulfide pebbles cemen-	35 6	1.5	2509	7.6	9.1	1.5	1.15	0.78	17.14			1.93	PbZn	
		ted by minute sulfide grains, sericite flakes and	30 4	1.5	2510	9.1	10.6	1.5	0.60	0.39	10.97			0.99	PbZn	
		black clayey material.	30 5	1.4	2511	10.6	12.1	1.5	0.53	0.70	9.94			1.23	PbZn	
		22-22.2: Bx. Sulfide fragments (1-3cm) cemented by	25 3	1.4	2512	12.1	13.7	1.6	0.31	0.45	4.11			0.76	PbZn	
		black rock powder and sulphides.	20 2	1.5	2513	13.7	15.2	1.5	0.35	0.67	6.17			1.02	PbZn	
		24-24.5: Massive sulfides. Both contacts broken grd.	25 1	1.5	2514	15.2	16.7	1.5	0.44	0.63	5.14			1.07	PbZn	
		30.4: Sharp contact w/graphitic phyllite (SG)=75.	25 1	1.5	2515	16.7	18.2	1.5	0.27	0.54	6.17			0.81	PbZn	
30.4	40.8	GRAPHITIC PHYLLITE (SG). Very fissile. Foliation F	20 1	1.4	2516	18.2	19.8	1.6	0.27	0.45	5.14			0.73	PbZn	
		=75-80° (also plane of fisaility). F axial plane //	25 3	1.5	2517	19.8	21.3	1.5	1.50	2.80	23.31					
		to F w/ c to c plane=10-15° (opp. direction of F).	30 5	1.5	2518	21.3	22.8	1.5	1.58	1.20	27.43					
		Sporadic showing sulfidea as clots and as widely	30 6	1.4	2519	22.8	24.3	1.5	2.35	3.65	45.26			3.525	5.475	67.89
		spaced trains folowing both F & F. 10/10.4	35 6	1.3	2520	24.3	25.9	1.6	0.79	1.15	26.40			1.264	1.84	42.24

DDH: FAGU072 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1114 592187E ; 905046N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 459.7 Z = 1113.9

SECTION NAME: 78W

DDH-METRES
0.0 -0.6

0.0

ELEVATION
ABOVE S.L.

0.1

0.5

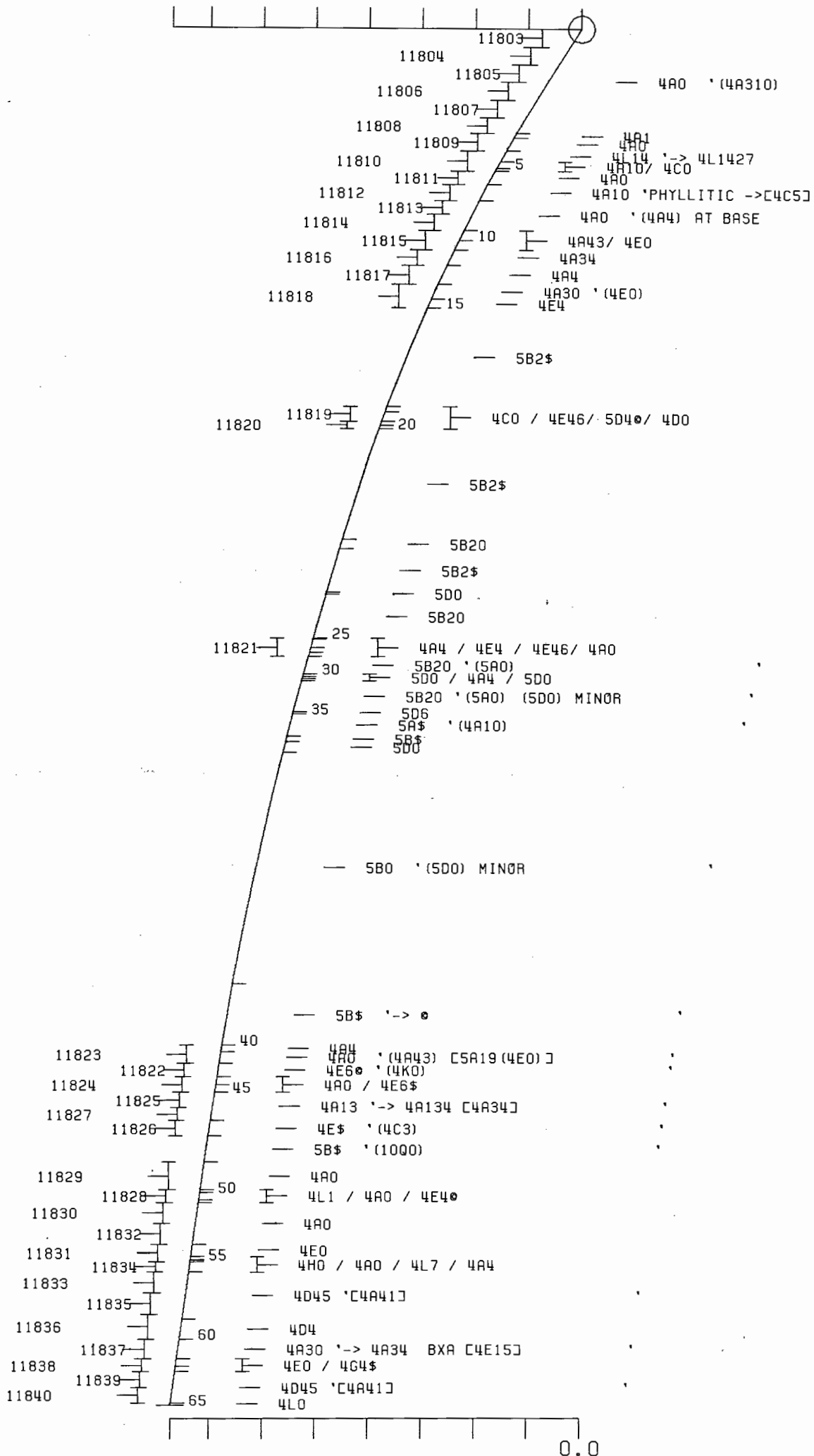
0.9

1.2

100 1.4

1.6

137.3 METRES 1.7



+ 1100 M.

+ 1050 M.

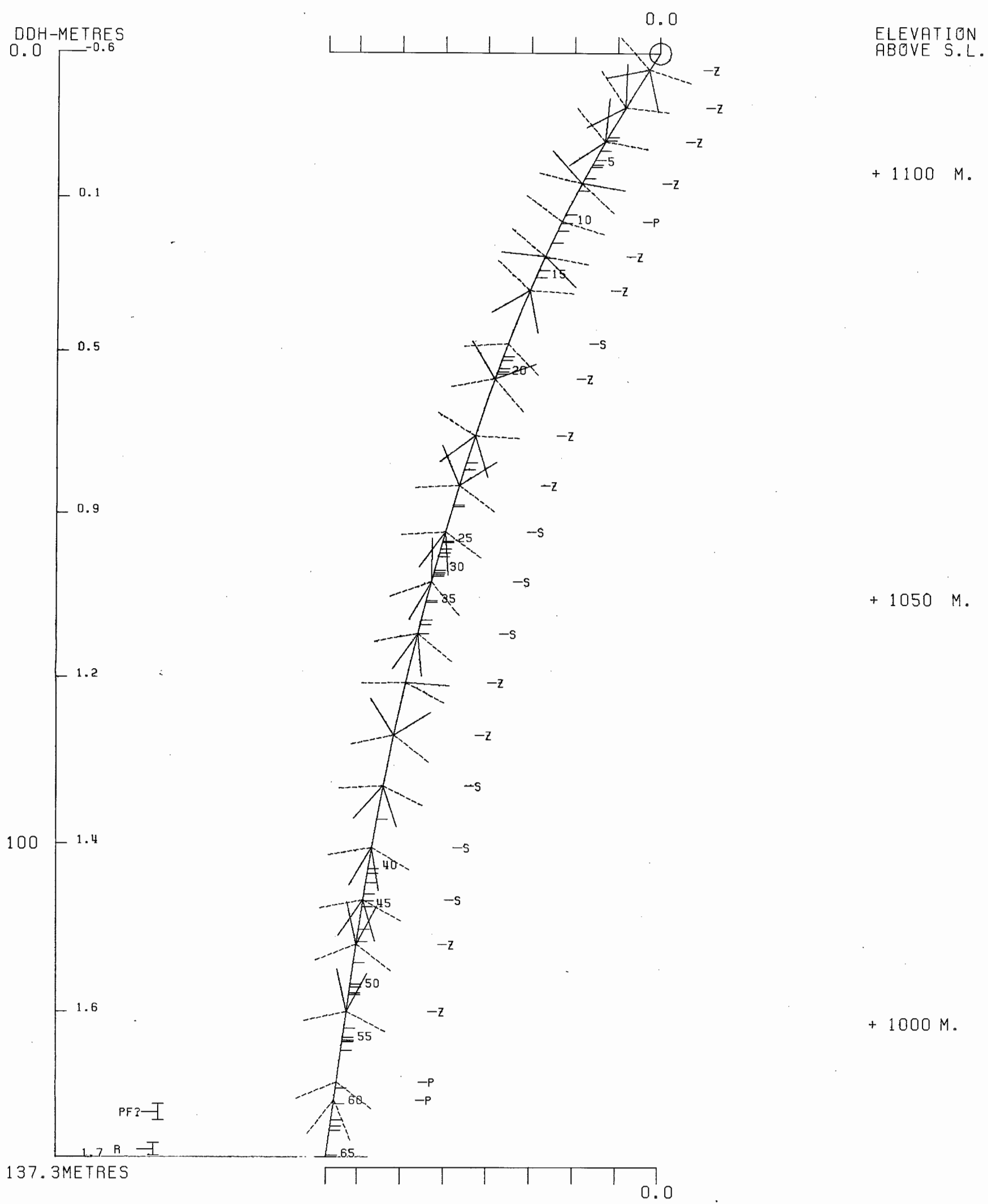
+ 1000 M.



DDH: FAGU072 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1114 592187E ; 905046N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 459.7 Z = 1113.9
 SECTION NAME: 78W



FAGU073

DRILL HOLE : FAGU073
NORTHING : 905,044.5
EASTING : 592,186.6
ELEVATION : 1,115.4
TOTAL DEPTH : 121.9
SECTION : W 78
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: 20
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 27
NOS DOWN-H-STRUCTURE: 23
NOS DOWN-H-FAULTS: 4
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17NOV83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 24

DDH: FAGU073 UTM-N: 905,044.5 UTM-E: 592,186.6 UTM-ELEV: 1,115.4 TOTAL DEPTH: 121.9 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	88.700	196.300

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 25

DDH: FAGU073 UTM-N: 905,044.5 UTM-E: 592,186.6 UTM-ELEV: 1,115.4 TOTAL DEPTH: 121.9 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.6	0001	4A0	(4A4) AT BASE	0.5-	1
12.0	0002	405	[4A41]	0.5-	1
13.4	0003	4A0		0.5-	1
23.2	0004	4A34	(4A3) AT TOP	0.5-	1
25.9	0005	4E4		0.5-	1
29.8	0006	4G4	(4E46)	0.5-	1
30.1	0007	504@		0.5-	1
31.6	0008	4E4		0.5-	1
32.6	0009	4E4	POROUS &#	0.5-	1
33.3	0010	504*		0.5-	1
33.8	0011	504*		0.5-	1
34.6	0012	4E0		0.5-	1
35.4	0013	4E4		0.5-	1
38.6	0014	5A0	(5A9)	0.5-	1
39.2	0015	4A4		0.5-	1
39.4	0016	4A0	GOUGE	0.5-	1
42.4	0017	4A0		0.5-	1
42.7	0018	4A0	(504*) GOUGE	0.5-	1
50.0	0019	5B62	(5A6)	0.5-	1
50.6	0020	1000		0.5-	1
53.1	0021	5B6		0.5-	1
53.6	0022	4L2		0.5-	1
55.4	0023	5B6		0.5-	1
62.8	0024	5B62	s	0.5-	1
106.3	0025	503		0.5-	1
121.5	0026	5B38		0.5-	1
121.9	0027	503		0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 26

DDH: FAGU073 UTM-N: 905,044.5 UTM-E: 592,186.6 UTM-ELEV: 1,115.4 TOTAL DEPTH: 121.9 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DH CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHOC	SDC	PROCESS
FAGU073	0.0	5.5	CS2	Z	0	0	30	0	5	50	0		1	1	1
FAGU073	0.0	14.1	CS2	Z	0	0	30	0	10	50	0		1	1	1
FAGU073	0.0	18.6		P	0	0	0	0	15	50	C		1	1	1
FAGU073	0.0	24.7		P	0	0	0	0	50	50	0		1	1	1
FAGU073	0.0	28.9		P	0	0	0	0	40	50	0		1	1	1
FAGU073	0.0	31.2		P	0	0	0	0	60	50	C		1	1	1
FAGU073	0.0	39.8	CS2	S	0	0	0	0	50	50	C		1	1	1
FAGU073	0.0	45.5	CS2	Z	0	0	75	0	20	50	0		1	1	1
FAGU073	0.0	52.1	PS2	P	0	0	0	0	50	230	0		1	1	1
FAGU073	0.0	59.1	PS2	P	0	0	0	0	40	230	0		1	1	1
FAGU073	0.0	66.7	CS2	Z	0	0	20	180	20	230	0		1	1	1
FAGU073	0.0	72.6	CS2	D	0	0	0	0	15	230	0		1	1	1
FAGU073	0.0	78.5	CS2	Z	0	0	45	180	10	230	0		1	1	1
FAGU073	0.0	81.7	CS2	Z	0	0	60	180	10	230	0		1	1	1
FAGU073	0.0	87.1	CS2	Z	0	0	60	180	20	230	0		1	1	1
FAGU073	0.0	89.7	CS2		0	0	0	0	1	230	0		1	1	1
FAGU073	0.0	95.5	CS2	S	0	0	50	0	10	230	0		1	1	1
FAGU073	0.0	99.8	CS2	S	0	0	50	0	25	230	0		1	1	1
FAGU073	0.0	102.5	CS2	Z	0	0	45	180	15	230	0		1	1	1
FAGU073	0.0	108.5	CS2	S	0	0	40	0	10	230	0		1	1	1
FAGU073	0.0	114.2	CS2	Z	0	0	20	180	30	230	0		1	1	1
FAGU073	0.0	116.5	CS2	Z	0	0	15	180	10	230	0		1	1	1
FAGU073	0.0	121.9	CS2	Z	0	0	30	180	20	230	0		1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 27

DDH: FAGU073 UTM-N: 905,044.5 UTM-E: 592,186.6 UTM-ELEV: 1,115.4 TOTAL DEPTH: 121.9 SECTION: W 78
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		
FAGU073	39.2	39.4	G				0	0	0	0	1	
FAGU073	42.4	42.7	G				0	0	0	0	1	
FAGU073	50.0	50.6	Q				0	0	99	999	0	1
FAGU073	62.8	63.1	G				0	0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 28

DDH: FAGU073 UTM-N: 905,044.5 UTM-E: 592,186.6 UTM-ELEV: 1,115.4 TOTAL DEPTH: 121.9 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU073 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

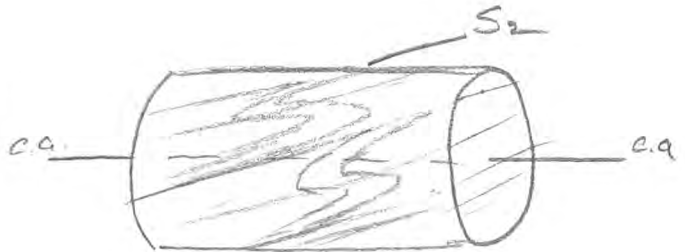
Hole Number: FAGU073 (76-4073)

Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLATEAU

Claim: —



UTM ~~Co-ords.:~~ Ferr. Plane 6905044.5 N

conversion of KA grid
592186.6 E

Grid Co-ords.: 3N

78 W

Elevation: 1115.4 M

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

Total Depth: 121.9 M

Purpose: _____

Logged by: DSJ - JGS

Date(s) Logged: 24 Sept 1981

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

BQ 0 121.9M

Started: 2 May 1976 Completed: 3 May 1976

DDH F.A.G.M.073
2 8

Diamond Drill Core Log

Date: _____ Logged By: DSJ-JAS

Code	Drillhole	Elevation		Northing		Easting		Units (feet/metres)	R.F.E
I	2	8	10	16	17	24	25	32 34 39	41 42
T	F.A.G.M.073	111.15	49.05	044.5	59.21	186.6	METRES		52

Code	Drillhole	Depth		Zenith Angle	True Azimuth	Comments			
I	2	8	10	14	22	26	28	32 34	56
R	F.A.G.M.073	00		88.7	194.7	A.T. COLLAR 196.3 for True North			

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

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	100		186			101	4A4			
L	186		120			102	4A5	[4A4]		
L	120		134			103	4A0			
L	134		232			104	4A34			
L	232		259			105	4E4			
L	259		298			106	4G4	(4E46) Non calc		
L	298		301			107	5D4*	ANK 2-5% Fusch + py.		
L	301		316			108	4E4			
L	316		328			109	4E4	POR ± CALC.		
L	328		333			110	5D4*	fusch, py lath ^{or} K. Vary altered		
L	333		338			111	5D4*	KAOL V. ALT ULTIMATE ^s of above unit 10.		
L	338		346			112	4E0	fine Dms 40* K 1-2m frags Deposit Δ		
L	346		354			113	4E4			
L	354		386			114	5A0	(5A9)		
L	386		392			115	4A4	V.H. GRADE.		
L	392		394			116	4A0	GOUGE ml ATT.		
L	394		424			117	4A0			
L	424		427			118	4A0	(5D4*) GOUGE F. ML/ATT.		
L	427		500			119	5B62	(5A6)		
L	500		506			120	10100	11S2		
L	506		531			121	5B6			
L	531		536			122	442			
L	536		554			123	5B6			
L	554		628			124	5B62	* DOL		
L	628		1063			125	5D3	Top 3m GOUGE ml att. F. CONTACT		
L	1063		1215			126	5B38			
L	1215		1219			127	5D3			
								END of HOLE		

Structural Log

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
P				15	CSZ	Z			30	050	05	050	
F				14	CSZ	Z			30	050	10	050	
A				18		R					15	050	
A				24		R					50	050	
P				28		R					40	050	S2 050
A				31		R					60	050	↑
P				39	CSZ	S					50	050	
P				45	CSZ	Z			75	050	20	050	CHANGE TO IMO SYM
A				52	PSZ						50	230	
A				59	PSZ						40	230	↓
P				66	CSZ	Z			20	050	20	230	66'0 → 230 S2
P				72	CSZ	D					15	230	ACROSS FAULT
P				78	CSZ	Z			45	050	10	230	SYMM REVERSAL
A				81	CSZ	Z			60	050	10	230	
P				87	CSZ	Z			60	050	20	230	
P				89	CSZ	H					00	230	
P				95	CSZ	S			50	230	10	230	
A				99	CSZ	S			50	230	25	230	
A				102	CSZ	Z			45	050	15	230	
P				108	CSZ	S			40	230	10	230	
P				114	CSZ	Z			20	050	30	230	
P				116	CSZ	Z			15	050	10	230	
A				121	CSZ	Z			30	050	20	230	
													E of Symm

ASSAY LOG (SAMPLER'S COPY)

Date 24 SEP 81

Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION	
	10	14	16	20		22	26	28	30				32
P	100		130		122111			130		118	4A41		
P	130		155		122112			125		125	4A41		
P	155		186		122113			131		130	4A41		
P	186		1103		122114			117		115	4A051		
P	1103		1120		122115			117		117	4A051		
P	1120		1134		122116			114		114	4A01		
P	1134		1154		122117			120		120	4A34		
P	1174		1174		122118			120		118	4A34		
P	1194		1194		122119			120		119	4A34		
P	1214		1214		12220			120		118	4A34		
P	1214		1232		12221			118		117	4A34		
P	1232		1259		12222			127		126	4E41		
P	1259		1279		12223			120		117	4G41		
P	1279		1298		12224			119		119	4G41		
P	1298		1316		12225			118		118	4E41	(504.3m)	
P	1316		1326		12226			110		09	4E41	PO R	
P	1326		1338		12227			112		12	(504)*	?	
P	1338		1354		12228			116		03	4E41	(4E0)	
												END of SAMPL.	

Meters

FAULT

DDH F.A.G.U.O.73
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: 5 Oct 83 Logged By: _____

Code	From			To			Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24			26	28	Dip	Direct.	Dip	Direct.	
F	13	19	2	13	19	4	G								IND gouge
F	14	2	4	14	2	7	G								IND gouge
F	15	0	0	15	0	6	Q			9	9	9	9		Q _h vein // S ₂
F	16	2	8	16	3	1	G								IND gouge

DIAMOND DRILL RECORD

LOGGED BY FRED CHOW

D. D. H. No 76-U-73 PAGE 1

PROPERTY

VANGORDA - GRUM JOINT VENTURE

LATITUDE 10 481.072 3N STARTED MAY 2, 1976

DEPARTURE 7494.756 78W COMPLETED MAY 3, 1976

ELEVATION 1126.003 M PROPOSED DEPTH _____
ULTIMATE DEPTH 121.9M

HOLE SURVEY:

DEPTH	BEARING	DIP
COLLAR	194°	0°
121.9M	196° 17'	+1° 16'

CLAIM No _____

↑
N

DIRECTION AND DISTANCE
FROM N.E. CLAIM POST

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
0	13.3	QUARTZ-SULPHS-GRAPH-SER (P). Siliceous, light to med. gray																
		15-25% Py, 5% Ser-graph. Very siliceous and hard. F & F prominent, F & F mineralization. At 12.2m F dominant and all F mineralization.	1.6	2547	0	2.9	2.9	2.15	1.64	24.34								
		0±2.9m: 25 Py, 4 Pz. 1 F =40°. -4.4m: 20 Py, 1 PZ, 0.1% arsenopy. F ₂ =30-40°. F ₁ sub-V	1.5	2548	2.9	4.4	1.5	0.66	0.45	10.97								
		-5.3m: 25 Py, 5 PZ, F ₂ =30-10°. -7.6m: 15 Py, 8 PZ, F ₂ =10-35°, F ₁ sub-V F ₂ . -9.0m: 20 Py, 10 Pz, F ₂ & F ₁ as above. -10.7m: 15 Py, 8 PZ -12.0m: 15 Py, 6.5 PZ, F ₂ =40°, F ₁ sub-v F ₂ . -13.3m: 4 Py, 0.7 PZ, F ₁ ² @ 0-20° ¹ , late quartz-sulphs filled fractures @ 45° to core.	0.9	2549	4.4	5.3	0.9	3.28	2.70	35.31								
			2.3	2550		7.6	2.3	4.45	7.84	52.46			10.235	18.032	120.66			
			1.4	2551		9.0	1.4	4.20	7.84	49.37			5.88	10.976	69.118			
			1.7	2552		10.7	1.7	3.70	5.75	40.46			6.29	9.775	68.782			
			1.3	2553		12.0	1.3	3.30	3.90	34.29			4.29	5.07	44.577			
13.3	23.2	QUARTZ-SULPHS-GRAPH-SER(P). Siliceous.																
		Similar rock as above but more pyritic and structure appear to be mainly F ₁	2.4	2554	12.0	14.4	2.4	0.60	0.88	12.00			1.44	2.112	28.8			
		13.3-14.4: 25 Py, 1.5 PZ. F ₂ @ 60°, F ₁ @ 0-3° undulating. -17.1: 30-40 Py, 5-6.5 PZ. F ₂ 30-40°, F ₁ @ 45-0°. -20.7: 35-30 Py, 8-9 PZ. F ₂ 45° @ 17.8m. F ₁ @ 30°. -23.2: 20 Py, 10 PZ. F ₂ 40° @ 20.7-23m, F ₁ 0-30°.	0.8	2555		15.2	0.8	2.28	4.36	40.46			1.824	3.488	32.368			
			1.9	2556		17.1	1.9	2.75	4.75	50.40			5.225	9.025	95.76			
			2.0	2557		19.1	2.0	2.98	6.80	46.29			5.96	13.6	92.58			
			1.6	2558		20.7	1.6	4.03	9.32	59.31			6.448	14.912	94.896			
			2.5	2559		23.2	2.5	3.58	7.94	53.49			8.95	19.85	133.73			

Interval		DESCRIPTION	Recovery	Sample N ^o	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
34.1	35.4	MASSIVE SULPHIDES (MB) AND QUARTZ-SULPHIDES (P). 34.1-34.65M Quartz-sulph; 40 Py, 2-3 Pz. -35.4m: M.S. 75 Py, 12 Pz. -35.4m: Contact @ 65°. CA: 40°.	1.0	2570	34.5	35.5	1.0	9.12	13.74	175.54			9.12	13.74	175.54
35.4	38.5	QUARTZ-GRAPH-SER PHYLLITE (G). MEDIUM GRAY 60% quartz, 25 graph., no ser. Contorted landing. Medium firm rock, 2-3% pyrite, negl. PbZn first 0.5m. CA: F 60° @ 35.7m, 30° @ 36, 40-50° @ 36.6-38M. F 55-60° @ 36.9-38m, 0° @ 38.4m.	0.5/2.5	2571	35.5	36.0	0.5	0.16	0.25	1.03					
38.5	39.2	MASSIVE SULPHIDES (MB). Banded, massive f.g. sulphs w/ H.G. Zn. Later fractures pyrite filled. 65 Py, 24 Pz. Banding 25-35°. Upper contact 40°, lower 50° in contact with muddy shear 0.1m wide. F mineralization?	0.6	2572	38.5	39.2	0.7	7.59	17.61	55.54			5.313	12.327	38.878
39.2	41.9	QUARTZ-GRAPH-SER PHYLLITE (G) WITH MINOR SULPHIDES. Phyllite similar to 35.4-38.5M with 5% Py, 1-2 Pz. Moderate fracturing with many slips. F 45° @ 39.6m, 45° to 41.6m. F 0° @ 39.3, 55° @ 40, 30° @ 41m.	2.7	2573	39.2	41.9	2.7	0.78	1.62	12.00			1.794	3.726	27.6

DDH: FAGU073 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1115 592187E ; 905045N

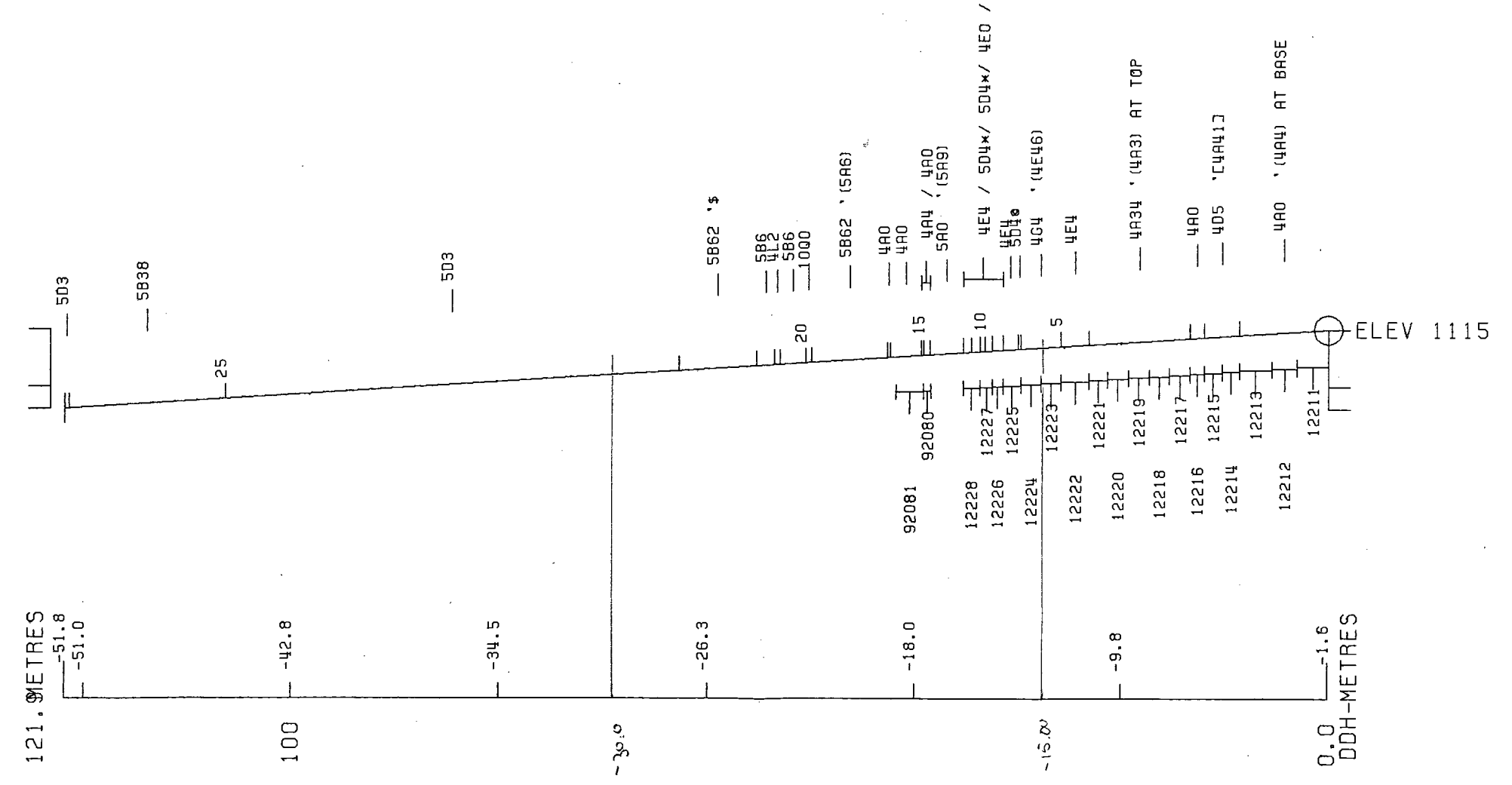
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 458.3 Z = 1115.1

SECTION NAME: 78W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 11 DEC 1984 4:01 PM



DDH: FAGU073 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

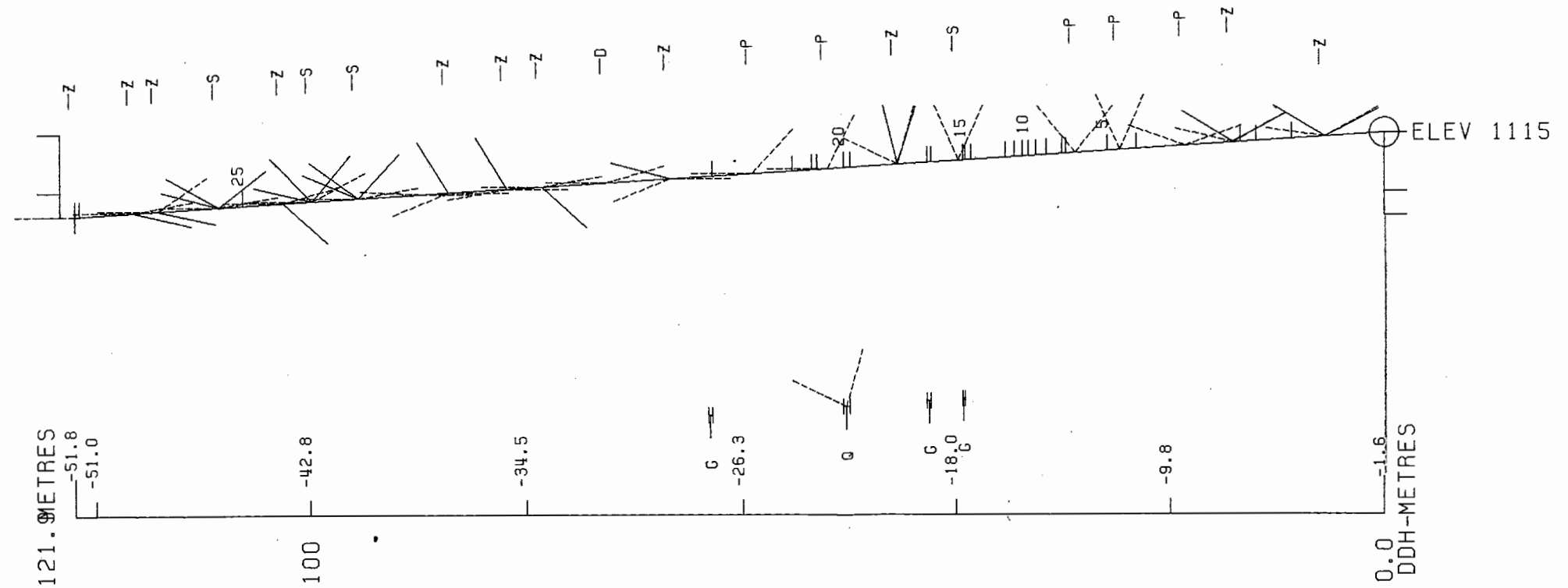
ELEV: 1115 592187E ; 905045N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 458.3 Z = 1115.1

SECTION NAME: 78W

* CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 12 DEC 1984 3:49 PM



FAGU075

DRILL HOLE : FAGU075
NORTHING : 905,046.9
EASTING : 592,187.2
ELEVATION : 1,114.0
TOTAL DEPTH : 170.5
SECTION : W 78
R.F.E. : S2
RFE DIRECTION: 50
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 27
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 59
NOS DOWN-H-STRUCTURE: 36
NOS DOWN-H-FAULTS: 8
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

17NOV83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 31

DDH: FAGU075 UTM-N: 905,046.9 UTM-E: 592,187.2 UTM-ELEV: 1,114.0 TOTAL DEPTH: 170.5 SECTION: W 78
RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	165.400	39.700
61.000	174.000	18.000
106.700	176.000	308.000
152.400	175.900	234.000

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 32

DDH: FAGU075 UTM-N: 905,046.9 UTM-E: 592,187.2 UTM-ELEV: 1,114.0 TOTAL DEPTH: 170.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.7	0001	4A30		0.5-	1
2.5	0002	4L24		0.5-	1
4.8	0003	500		0.5-	1
7.1	0004	4C5	[4A1 PHYLLITIC]	0.5-	1
8.5	0005	4L14		0.5-	1
12.1	0006	50\$		0.5-	1
13.4	0007	4L41		0.5-	1
17.4	0008	5B69		0.5-	1
18.3	0009	10Q0		0.5-	1
18.5	0010	5B69		0.5-	1
18.9	0011	4L14	(50\$)	0.5-	1
22.2	0012	50\$	(10Q0) 85:15	0.5-	1
24.6	0013	4L4		0.5-	1
26.3	0014	50\$		0.5-	1
29.0	0015	4L4		0.5-	1
29.7	0016	50\$		0.5-	1
30.8	0017	50\$		0.5-	1
33.3	0018	50\$	(4L4) 90:10	0.5-	1
34.0	0019	4L41		0.5-	1
35.1	0020	50\$		0.5-	1
38.7	0021	4L4	(4L41) (5B\$) MINOR	0.5-	1
39.7	0022	50\$		0.5-	1
41.0	0023	4L4		0.5-	1
43.8	0024	4A0		0.5-	1
48.4	0025	4L41	2 (4L42)	0.5-	1
50.9	0026	4A0		0.5-	1
53.8	0027	4A30		0.5-	1
56.7	0028	4E4	(4E46)	0.5-	1
57.5	0029	504\$		0.5-	1
58.4	0030	4E4	BXA (4G4)	0.5-	1
60.7	0031	4E4	BXA	0.5-	1
61.0	0032	4G4		0.5-	1
61.4	0033	504\$		0.5-	1
74.5	0034	4G4	(4E46)(4G8)BA INCREASE DOWN	0.5-	1
74.7	0035	4L1		0.5-	1
82.4	0036	5A6	(5B261) (5B3) MINOR	0.5-	1
98.7	0037	5B0	82 (5A3)	0.5-	1
101.9	0038	5B\$	82 (5B62\$)	0.5-	1
103.6	0039	4L27	4 (5A6)	0.5-	1
127.6	0040	5B6	8\$ 82	0.5-	1
129.2	0041	4D4	(4D5)	0.5-	1
131.0	0042	4E4		0.5-	1
133.1	0043	4A34	[4C5]	0.5-	1
137.7	0044	5B6	82 MINOR	0.5-	1
138.5	0045	5B6	82 MINOR GOUGE	0.5-	1
141.4	0046	4L24		0.5-	1
144.0	0047	5B0	(10Q0)	0.5-	1
144.6	0048	4L52	4 BXA	0.5-	1
147.8	0049	5B20		0.5-	1
148.3	0050	4L1		0.5-	1
149.9	0051	4C7	PHYLLITIC [4L72]	0.5-	1

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 33

DDH: FAGU075 UTM-N: 905,046.9 UTM-E: 592,187.2 UTM-ELEV: 1,114.0 TOTAL DEPTH: 170.5 SECTION: W 78
RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
151.0	0052	5B\$	(5B2\$)	0.5-	1
152.3	0053	4C7	PHYLLITIC [4L271]	0.5-	1
159.7	0054	4L0	-> 5B64 AT BASE	0.5-	1
163.6	0055	5B2\$	MINOR	0.5-	1
164.3	0056	4A0		0.5-	1
165.8	0057	5A0	GOUGE	0.5-	1
169.0	0058	4A0	(4E4) (4L2) 90:10:MINOR	0.5-	1
170.7	0059	5A0	GOUGE	0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 34

DDH: FAGU075 UTM-N: 905,046.9 UTM-E: 592,187.2 UTM-ELEV: 1,114.0 TOTAL DEPTH: 170.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU075	0.0	1.4	CS2	S	0	0	40	180	60	50	0		1	1	1
FAGU075	0.0	7.6	CS2	S	0	0	50	180	40	50	0		1	1	1
FAGU075	0.0	11.8	CS2	S	0	0	50	180	70	50	0		1	1	1
FAGU075	0.0	15.9	CS2	S	0	0	40	180	40	50	0		1	1	1
FAGU075	0.0	21.4	CS2	S	0	0	60	180	45	50	0		1	1	1
FAGU075	0.0	26.2	CS2	S	0	0	20	180	70	50	0		1	1	1
FAGU075	0.0	35.4	CS2	Z	0	0	20	0	50	50	0		1	1	1
FAGU075	0.0	36.5	CS2	Z	0	0	35	0	65	50	0		1	1	1
FAGU075	0.0	39.2	CS2	S	0	0	35	180	70	50	0		1	1	1
FAGU075	0.0	42.8	CS2	Z	0	0	10	0	70	50	0		1	1	1
FAGU075	0.0	47.4	CS2	Z	0	0	15	0	55	50	0		1	1	1
FAGU075	0.0	51.7		P	0	0	0	0	50	50	0		1	1	1
FAGU075	0.0	62.7		P	0	0	0	0	50	50	0		1	1	1
FAGU075	0.0	68.7		P	0	0	0	0	65	50	0		1	1	1
FAGU075	0.0	74.2		P	0	0	0	0	60	50	0		1	1	1
FAGU075	0.0	79.8	CS2	Z	0	0	20	0	60	50	0		1	1	1
FAGU075	0.0	84.4	CS2	Z	0	0	25	0	65	50	0		1	1	1
FAGU075	0.0	85.3	CS2	S	0	0	15	180	65	50	0		1	1	1
FAGU075	0.0	94.0	CS2	Z	0	0	25	0	70	50	0		1	1	1
FAGU075	0.0	100.4	CS2	Z	0	0	40	0	65	50	0		1	1	1
FAGU075	0.0	108.0	CS2	Z	0	0	20	0	75	50	0		1	1	1
FAGU075	0.0	117.7	CS2	Z	0	0	0	0	55	50	0		1	1	1
FAGU075	0.0	121.8	CS2	Z	0	0	40	180	80	50	0		1	1	1
FAGU075	0.0	125.0	PS2	P	0	0	0	0	80	50	0		1	1	1
FAGU075	0.0	129.0		P	0	0	0	0	75	50	0		1	1	1
FAGU075	0.0	131.2		P	0	0	0	0	65	50	0		1	1	1
FAGU075	0.0	135.0		P	0	0	0	0	80	50	0		1	1	1
FAGU075	0.0	137.2	CS2	Z	0	0	0	0	60	50	0		1	1	1
FAGU075	0.0	142.2	CS2	Z	0	0	0	0	80	50	0		1	1	1
FAGU075	0.0	146.0	CS2	Z	0	0	0	0	80	50	0		1	1	1
FAGU075	0.0	150.5	CS2	Z	0	0	0	0	80	50	0		1	1	1
FAGU075	0.0	155.0	CS2	Z	0	0	0	0	80	50	0		1	1	1
FAGU075	0.0	159.7	CS2	S	0	0	0	0	80	50	0		1	1	1
FAGU075	0.0	162.8	CS2	Z	0	0	0	0	80	50	0		1	1	1
FAGU075	0.0	164.3	CS2	Z	0	0	0	0	70	50	0		1	1	1
FAGU075	0.0	166.1		P	0	0	0	0	85	50	0		1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 35

DDH: FAGU075 UTM-N: 905,046.9 UTM-E: 592,187.2 UTM-ELEV: 1,114.0 TOTAL DEPTH: 170.5 SECTION: W 78
RFE: S2 RFE DIR: 50 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
FAGU075	20.4	20.9	Q				0	0	0	1
FAGU075	57.5	60.7	X				0	0	0	1
FAGU075	137.7	138.5	G				0	0	0	1
FAGU075	139.0	139.4	G				99	999	0	1
FAGU075	144.0	144.6	X				0	0	0	1
FAGU075	164.3	165.8	GB				0	0	0	1
FAGU075	0.0	167.2	G				0	0	0	1
FAGU075	169.0	170.7	G				99	999	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DM020)

PAGE: 36

DDH: FAGU075 UTM-N: 905,046.9 UTM-E: 592,187.2 UTM-ELEV: 1,114.0 TOTAL DEPTH: 170.5 SECTION: W 78
RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU075	1	2
FAGU075	2	2
FAGU075	3	2
FAGU075	4	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 09:39:55

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU 075

Fabric Orientation Diagram:

Project: Grum Releg

Location: 78W

Claim: _____

UTM
Terr. Plane

Co-ords.: 905046.9 N N

Conversion of
K-A grid

592187.2 E E

Grid
Co-ords.: L78+00W / 2+25 MN

Inclination: -75° NE

Elevation: 1113.9 M ^{1114.0} _{K-A elev}
_{-10.61}

Total Depth: 170.7 M

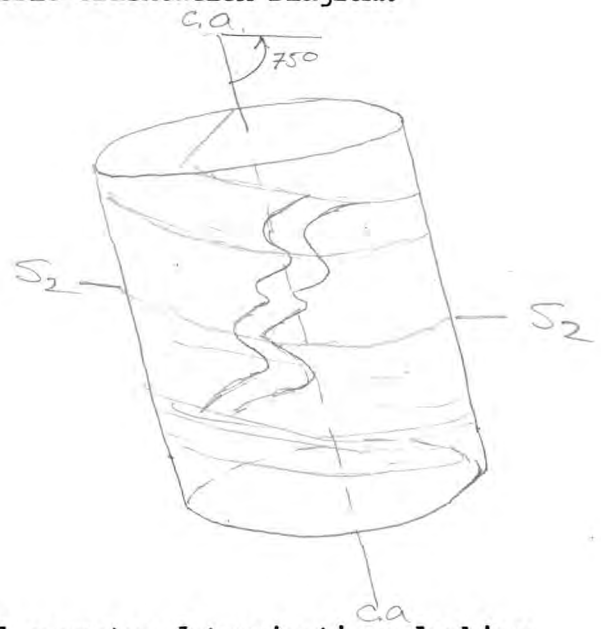
Purpose: Definition Drilling

Logged by: DST-JGS

Date(s) Logged: 19 Sept 1981

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

BD 0 170.7



All symmetry determinations looking
NW with S2 dipping
NE with dip azimuth 050.

Started: _____ Completed: _____

DDH F.A.G.U.0.75
2 8

Cyprus Anvil Mining Corp.

Page 3 of 6

Lithologic Log

Date: 19 SEP 81 Logged By: DSJ-JGS

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		100		117						101	4A30	
L		117		125						102	4L24	
L		125		148						103	5D*	AMK.
L		148		171						104	4C5	E4A1] PHYL.
L		171		185						105	4L114	
L		185		1121						106	5D*	DOL
L		1121		1134						107	4L141	
L		1134		1174						108	5B169	
L		1174		1183						109	10199	
L		1183		1185						110	5B169	
L		1185		1189						111	4L114	(5D* DOL)
L		1189		1212						112	5D*	DOL (1000) 204-209.
L		1212		1246						113	4L44	
L		1246		1263						114	5D*	DOL
L		1263		1290						115	4L44	
L		1290		1297						116	5D*	DOL
L		1297		1308						117	5D*	
L		1308		1333						118	5D*	DOL 4L4 32.8/33.1
L		1333		1340						119	4L441	
L		1340		1351						120	5D*	DOL
L		1351		1387						121	4L44	(4L41) 5B* 35.2-35.3
L		1387		1397						122	5D*	DOL
L		1397		1410						123	4L44	
L		1410		1438						124	4A10	
L		1438		1484						125	4L141	1/2 (4L42)
L		1484		1509						126	4A10	
L		1509		1538						127	4A30	
L		1538		1567						128	4E4	(4E46)
L		1567		1575						129	5D*	DOL 2-5% Fank. + Koolin.
L		1575		1584						130	4E4	Δ BRCC (4G4)
L		1584		1607						131	4E4	Δ BRCC
L		1607		1610						132	4G4	
L		1610		1614						133	5D*	DOL
L		1614		1745						134	4G4	(4E46) (4G8) → INC BARITE DOWN HOLE
L		1745		1747						135	4L1	
L		1747		1824						136	5A16	(5BZ6/1) 5B3 77.7-77.9.

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

7 82.3 - 82.4

Lithologic Log

Date: 12 SEP 81 Logged By: DSJ-JGS

SAJ/DST
29 Aug 82

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
5B0±2	L	1812	4	1918	7	137	5B02	(5A3) very calc.		
5B*±2 (5B0±2)	L	1918	7	1101	9	138	5A1*	DOL. (5B62*DOL)		
	L	1101	9	1103	6	139	4L27	1/4 (5A6)		
5B6±*±2	L	1103	6	1127	6	140	5B*2	venitly Calc-dolomitic; [COV]		
	L	1127	6	1129	2	141	4D4	(405)		
	L	1129	2	1131	0	142	4E4			
	L	1131	0	1133	1	143	4A34	[405] see assays		
5B6±2 minor	L	1133	1	1137	7	144	5B62	1		
"	L	1137	7	1138	5	145	5B62	Gouge 11 Sz.		
	L	1138	5	1141	4	146	4L24	Gouge 139-139.4 11 Sz		
OK	L	1141	4	1144	0	147	5B01	(1000) weakly calcitic		
OK	L	1144	0	1144	6	148	4L52	1/4 BRECCIA [MATRIX OR VEIN.]		
OK	L	1144	6	1147	8	149	5B210	weakly calcitic		
OK	L	1147	8	1148	5	150	4L11			
OK	L	1148	5	1149	9	151	4C71	PHYL [4L72]		
OK	L	1149	9	1151	0	152	5B1*	DOL (5B2*DOL)		
OK	L	1151	0	1152	3	153	4C71	PHYL [4L271]		
OK	L	1152	3	1159	7	154	4L10	→ 5B64 156.7-159.7.		
5B2* minor dol	L	1159	7	1163	6	155	5A1*	Venitly Dol. (5A*4) → 163.4 to 163.6.		
	L	1163	6	1164	3	156	4A10			
OK	L	1164	3	1165	8	157	5A0	Bkn Core - F. Gouge.		
OK	L	1165	8	1169	0	158	4A0	(4E4) 10% ; (4L2) Gouge 167.2.		
OK	L	1169	0	1170	7	159	5A10	Gouge w/c 11 Sz THRUST.?		
								END OF HOLE.		

Structural Log

Code	From				To				Feature	E/S	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
S				14				CSR	S			410	2310	610	01510		
S				17				CS12	S			510	2310	410	01510		
S				18				CS12	S			510	2310	710	01510		
S				15				CS12	S			410	2310	410	01510		
S				21				CS12	S			610	2310	415	01510		
S				26				CS12	S			210	2310	710	01510		
S				35				CS12	Z			210	01510	510	01510		
S				36				CS12	Z			315	01510	615	01510		
S				39				CS12	S			315	2310	710	01510		
S				42				CS12	Z			110	01510	710	01510	- z long limbs local S.	
S				47				CS12	Z			115	01510	615	01510		
S				51					R					510	01510		
S				62					R					510	01510		
S				68					R					615	01510		
S				74					R					610	01510		
S				79				CS12	Z			210	01510	610	01510		
S				84				CS12	Z			215	01510	615	01510		
S				85				CS12	S			115	21510	615	01510		
S				94				CS12	Z			215	01510	710	01510		
S				1010				CS12	Z			410	01510	615	01510		
S				1018				CS12	Z			210	01510	715	01510		
S				1117				CS12	Z					515	01510		
S				1121				CS12	Z			410	01510	810	01510		
S				11215				CS12						810	01510		
S				11219					R					715	01510		
S				11311					R					615	01510		
S				11315					R					810	01510		
S				11317				CS12	Z					610	01510		
S				11412				CS12	Z					810	01510		
S				11416				CS12	Z					810	01510		
S				11510				CS12	Z					810	01510		
S				11515				CS12	Z					810	01510		
S				11519				CS12	S					810	01510		
S				11612				CS12	Z					810	01510		
S				11614				CS12	Z					710	01510		
S				11616					R					815	01510		

ASSAY LOG (SAMPLER'S COPY)

Date 19 SEP 18

Sampled by _____

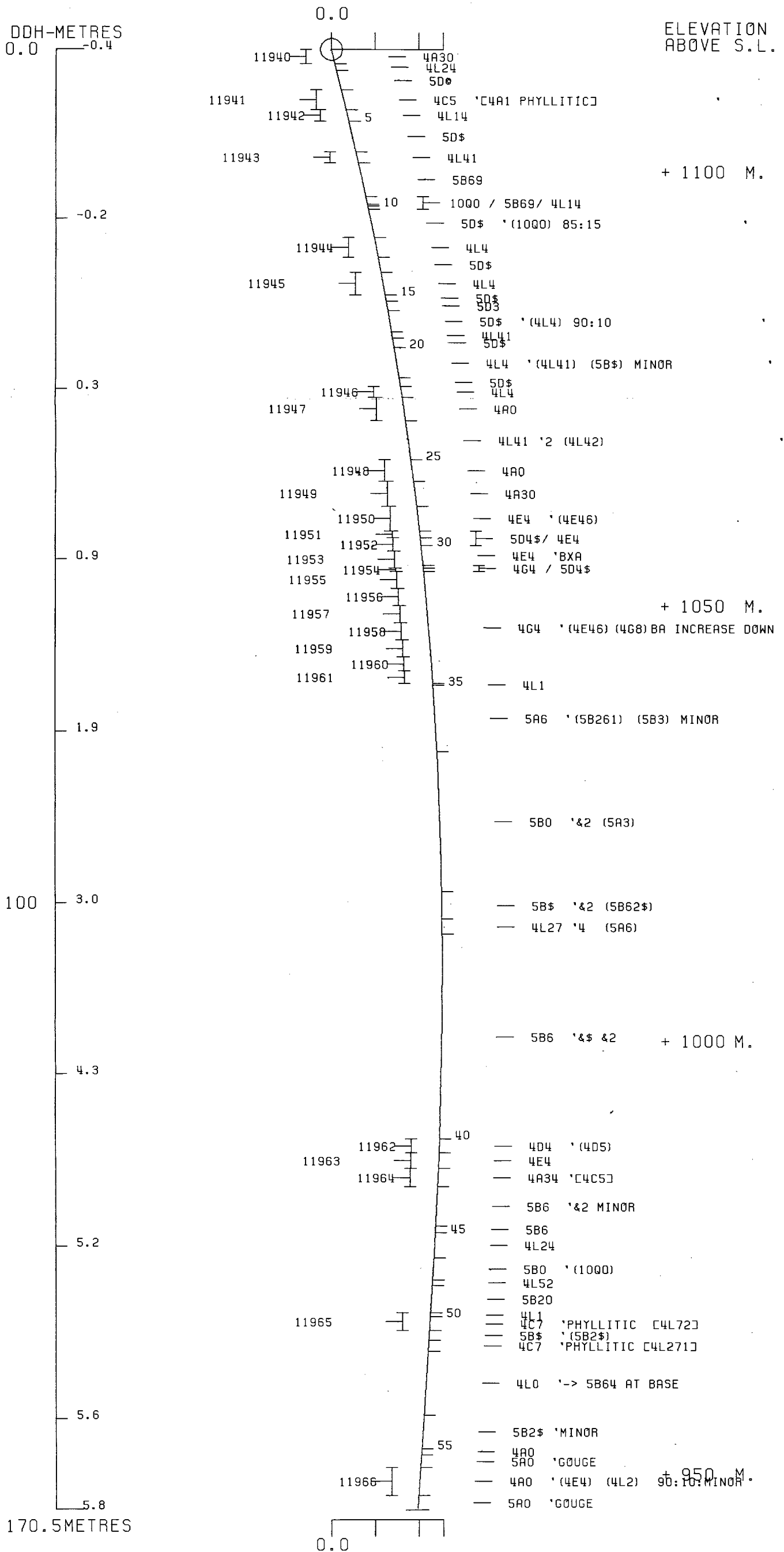
CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
A	100		117		11940		117		117		14A30		
A			112										
A	148		171		11941		123		122		14C15		
A	171		185		11942		114		114		14L114		
A	1121		1134		11943		113		112		14L114		
P	1212		1246		11944		124		122		14L14		
P	1263		1290		11945		127		127		14L14		
P	1397		1410		11946		113		112		14L14		
P	1410		1438		11947		128		127		14A01		
A	1484		1509		11948		125		119		14A01		
P	1510		1538		11949		129		125		14A31		
P	1538		1567		11950		129		129		14E4		
P	1567		1575		11951		108		106		15D14		
P	1575		1590		11952		115		114		14E4		
P	1590		1610		11953		117		117		14E4	(4G)	
P	1611		1614		11954		104		103		15D14*		
P	1614		1634		11955		120		118		14G14		
P	1634		1654		11956		120		118		14G14		
P	1654		1674		11957		120		115		14G14		
P	1674		1694		11958		120		120		14G14		
P	1694		1714		11959		120		119		14G14		
P	1714		1730		11960		116		113		14G14		
P	1730		1745		11961		115		114		14G14		
A													
P	11276		11292		11962		116		114		14D14		
P	11292		11310		11963		118		116		14E4		
P	11310		11331		11964		131		116		14A34		
A													
P	11478		11499		11965		121		121		144	4C	
P													
P	11658		11690		11966		132		125		14A01		

74⁵

End of S.

DDH: FAGU075 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV:1114 592187E ; 905047N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 460.5 Z = 1113.9
 SECTION NAME: 78W



DDH: FAGU075 -- 42 DEGREE PROFILE

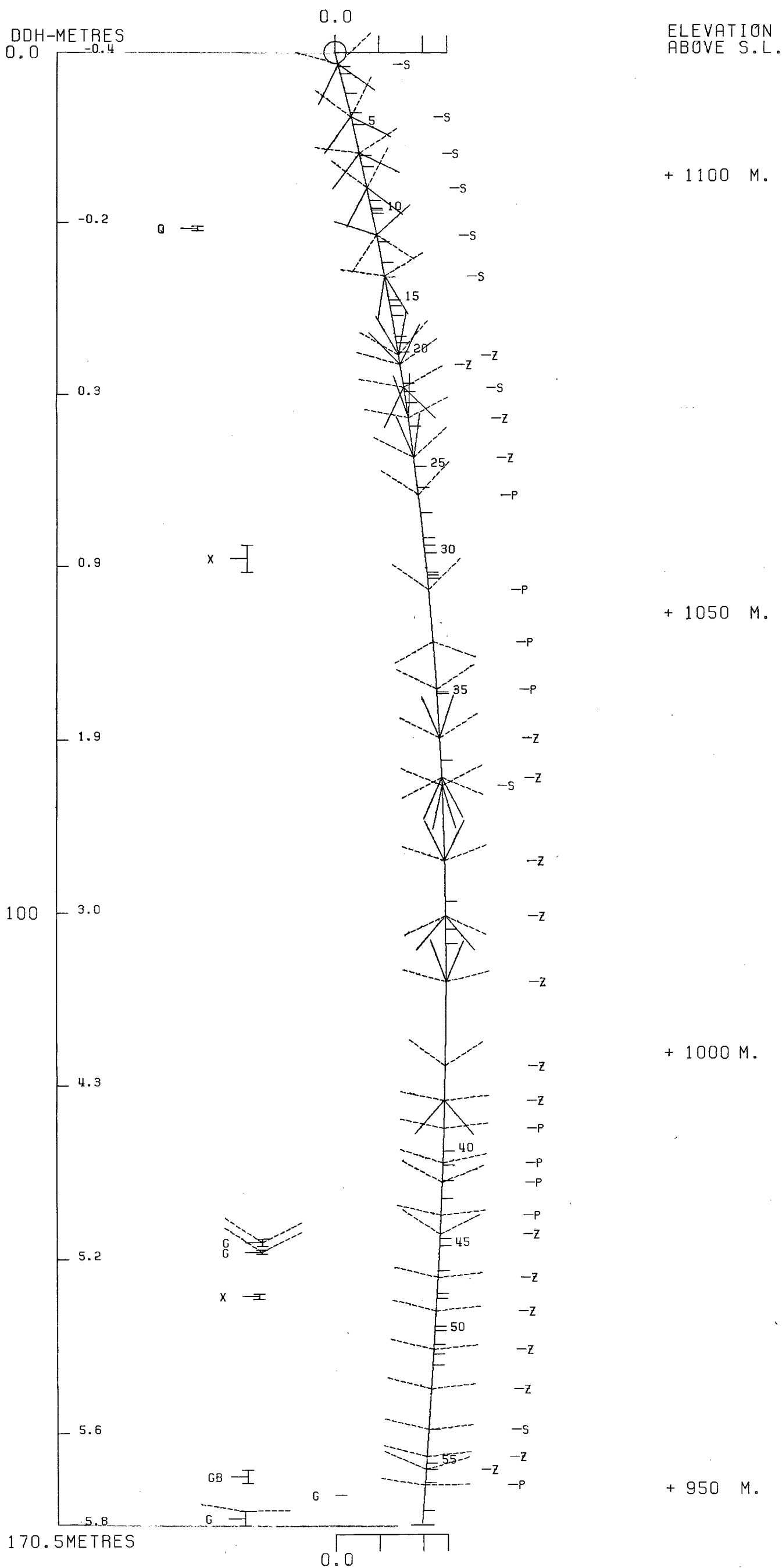
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1114 592187E ; 905047N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 460.5 Z = 1113.9

SECTION NAME: 78W



FAGU077

DRILL HOLE : FAGU077
NORTHING : 905,047.9
EASTING : 592,188.1
ELEVATION : 1,114.3
TOTAL DEPTH : 167.5
SECTION : W 78
R.F.E. : S2
RPE DIRECTION: 50
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 32
NOS DOWN-H-SURVEYS: 5
NOS DOWN-H-LITHOLOGY: 71
NOS DOWN-H-STRUCTURE: 36
NOS DOWN-H-FAULTS: 6
NOS DOWN-H-SPLINES: 5
NOS COMPOSITES: 0

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 3

DDH: FAGU077 UTM-N: 905,047.9 UTM-E: 592,188.1 UTM-ELEV: 1,114.3 TOTAL DEPTH: 167.5 SECTION: W 78
RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	145.600	41.700
30.500	149.800	44.000
61.000	158.000	41.000
96.000	162.000	34.000
166.100	174.000	71.000

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 4

DDH: FAGU077 UTM-N: 905,047.9 UTM-E: 592,188.1 UTM-ELEV: 1,114.3 TOTAL DEPTH: 167.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.7	0001	4L2	(5D4*)	0.5-	1
3.7	0002	4C5	PHYLLITIC	0.5-	1
5.4	0003	4L24		0.5-	1
6.0	0004	5D@		0.5-	1
6.5	0005	4L14		0.5-	1
6.7	0006	4LC		0.5-	1
8.7	0007	5D\$		0.5-	1
9.5	0008	4L41		0.5-	1
10.7	0009	5D\$		0.5-	1
12.0	0010	5D3		0.5-	1
14.2	0011	4L41		0.5-	1
14.6	0012	4C0	PHYLLITIC (10Q0)	0.5-	1
15.0	0013	4A0		0.5-	1
19.1	0014	5B6		0.5-	1
20.0	0015	4A0	(5A19)	0.5-	1
24.2	0016	5B62		0.5-	1
25.7	0017	5D3		0.5-	1
28.0	0018	5D6	(4L0) (5B6) (10Q0)	0.5-	1
41.1	0019	5B6		0.5-	1
41.7	0020	4L2		0.5-	1
62.1	0021	5B62		0.5-	1
64.9	0022	4L2		0.5-	1
65.5	0023	5D\$		0.5-	1
66.0	0024	4L21		0.5-	1
70.1	0025	4A0	(4A4) AT BASE	0.5-	1
72.2	0026	4A34	[4E5]	0.5-	1
74.8	0027	4E4		0.5-	1
75.1	0028	4A31		0.5-	1
76.2	0029	4A3	GOUGE	0.5-	1
82.3	0030	4A3		0.5-	1
84.2	0031	4A43	[4E45]	0.5-	1
88.0	0032	4A0		0.5-	1
88.9	0033	4A0	BXA (10Q0)	0.5-	1
90.0	0034	5D4@		0.5-	1
90.2	0035	4L12		0.5-	1
91.4	0036	4A3		0.5-	1
100.4	0037	4A0		0.5-	1
102.0	0038	4A41	(4A41 PHYLLITIC)	0.5-	1
102.5	0039	4A3		0.5-	1
108.2	0040	4E46	(4E5) MINOR	0.5-	1
123.0	0041	5A1	(5A13)	0.5-	1
124.8	0042	4E4		0.5-	1
125.2	0043	4G4		0.5-	1
125.4	0044	4C0	PHYLLITIC	0.5-	1
126.0	0045	5A3		0.5-	1
132.5	0046	5B62	(5A6)	0.5-	1
132.8	0047	4L2		0.5-	1
134.1	0048	4E4	BXA	0.5-	1
134.5	0049	4L4	(4L34)	0.5-	1
136.1	0050	4A4		0.5-	1
137.3	0051	4A3	(4E5)	0.5-	1

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 5

DOH: FAGU077 UTM-N: 905,047.9 UTM-E: 592,188.1 UTM-ELEV: 1,114.3 TOTAL DEPTH: 167.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
138.1	0052	4A34			
140.1	0053	4A4		0.5-	1
141.2	0054	4A30		0.5-	1
142.8	0055	4A30	BXA	0.5-	1
143.7	0056	4A31		0.5-	1
144.5	0057	4E0	BXA	0.5-	1
145.3	0058	4A4	PHYLLITIC	0.5-	1
145.6	0059	4E0		0.5-	1
146.2	0060	5B64	(4L0)	0.5-	1
146.4	0061	5B62		0.5-	1
146.7	0062	4L0		0.5-	1
156.6	0063	5B62		0.5-	1
157.6	0064	5B62	4	0.5-	1
162.7	0065	5B62		0.5-	1
163.0	0066	4L0		0.5-	1
163.5	0067	4E70	[4K70]	0.5-	1
165.6	0068	4L0		0.5-	1
166.2	0069	5B6		0.5-	1
167.2	0070	4L2		0.5-	1
167.6	0071	5B62		0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 6

DDH: FAGU077 UTM-N: 905,047.9 UTM-E: 592,188.1 UTM-ELEV: 1,114.3 TOTAL DEPTH: 167.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU077	0.0	1.6	CS2	Z	0	0	0	10	0	0	55	50	0	0	1	1	1	1
FAGU077	0.0	7.1	CS2	Z	0	0	0	10	0	0	40	50	0	0	1	1	1	1
FAGU077	0.0	10.0	CS2	Z	0	0	0	15	0	0	60	50	0	0	1	1	1	1
FAGU077	0.0	15.0	CS2	Z	0	0	0	25	0	0	40	50	0	0	1	1	1	1
FAGU077	0.0	17.4	CS2	Z	0	0	0	20	0	0	35	50	0	0	1	1	1	1
FAGU077	0.0	23.0	CS2	S	0	0	0	75	180	0	45	50	0	0	1	1	1	1
FAGU077	0.0	29.0	CS2	Z	0	0	0	10	0	0	60	50	0	0	1	1	1	1
FAGU077	0.0	30.8	CS2	Z	0	0	0	20	0	0	50	50	0	0	1	1	1	1
FAGU077	0.0	34.5	CS2	Z	0	0	0	5	0	0	50	50	0	0	1	1	1	1
FAGU077	0.0	41.3	CS2	Z	0	0	0	15	0	0	70	50	0	0	1	1	1	1
FAGU077	0.0	44.7	CS2	S	0	0	0	70	180	0	60	50	0	0	1	1	1	1
FAGU077	0.0	48.9	CS2	Z	0	0	0	10	0	0	40	50	0	0	1	1	1	1
FAGU077	0.0	52.7	CS2	Z	0	0	0	20	0	0	65	50	0	0	1	1	1	1
FAGU077	0.0	57.9	CS2	Z	0	0	0	10	0	0	60	50	0	0	1	1	1	1
FAGU077	0.0	60.3	CS2	Z	0	0	0	30	0	0	75	50	0	0	1	1	1	1
FAGU077	0.0	69.2	CS2	Z	0	0	0	10	0	0	75	50	0	0	1	1	1	1
FAGU077	0.0	71.9	CS2	Z	0	0	0	35	0	0	65	50	0	0	1	1	1	1
FAGU077	0.0	78.9	P	P	0	0	0	0	0	0	80	50	0	0	1	1	1	1
FAGU077	0.0	83.2	CS2	S	0	0	0	40	180	0	80	50	0	0	1	1	1	1
FAGU077	0.0	86.7	CS2	Z	0	0	0	30	0	0	75	50	0	0	1	1	1	1
FAGU077	0.0	88.6	CS2	Z	0	0	0	30	0	0	45	50	0	0	1	1	1	1
FAGU077	0.0	97.5	P	P	0	0	0	0	0	0	50	50	0	0	1	1	1	1
FAGU077	0.0	100.6	CS2	Z	0	0	0	10	0	0	70	50	0	0	1	1	1	1
FAGU077	0.0	105.5	P	P	0	0	0	0	0	0	60	50	0	0	1	1	1	1
FAGU077	0.0	108.5	PS2	P	0	0	0	0	0	0	55	50	0	0	1	1	1	1
FAGU077	0.0	113.0	CS2	S	0	0	0	30	0	0	40	50	0	0	1	1	1	1
FAGU077	0.0	120.5	CS2	S	0	0	0	20	180	0	70	230	0	0	1	1	1	1
FAGU077	0.0	125.5	CS2	S	0	0	0	15	180	0	60	230	0	0	1	1	1	1
FAGU077	0.0	129.3	PS2	P	0	0	0	0	0	0	70	230	0	0	1	1	1	1
FAGU077	0.0	135.8	P	P	0	0	0	0	0	0	50	230	0	0	1	1	1	1
FAGU077	0.0	140.6	P	P	0	0	0	0	0	0	50	230	0	0	1	1	1	1
FAGU077	0.0	146.0	PS2	P	0	0	0	0	0	0	60	230	0	0	1	1	1	1
FAGU077	0.0	147.7	CS2	Z	0	0	0	75	0	0	40	230	0	0	1	1	1	1
FAGU077	0.0	150.6	CS2	S	0	0	0	20	180	0	70	230	0	0	1	1	1	1
FAGU077	0.0	157.8	CS2	S	0	0	0	0	0	0	75	230	0	0	1	1	1	1
FAGU077	0.0	161.9	CS2	S	0	0	0	20	180	0	55	230	0	0	1	1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 7

DDH: FAGU077 UTM-N: 905,047.9 UTM-E: 592,188.1 UTM-ELEV: 1,114.3 TOTAL DEPTH: 167.5 SECTION: W 78
RFE: S2 RFE DIR: 50 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	
FAGU077	75.1	76.2	G				0	0	0	0	1
FAGU077	88.0	88.9	XQ				0	0	0	0	1
FAGU077	90.2	91.4	BP	3			0	0	0	0	1
FAGU077	132.8	134.1	X				0	0	0	0	1
FAGU077	141.2	142.8	X				0	0	0	0	1
FAGU077	143.7	144.5	X				0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 8

DDH: FAGU077 UTM-N: 905,047.9 UTM-E: 592,188.1 UTM-ELEV: 1,114.3 TOTAL DEPTH: 167.5 SECTION: W 78
RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU077	1	2
FAGU077	2	2
FAGU077	3	2
FAGU077	4	2
FAGU077	5	1

CYPRUS ANVIL MINING CORPORATION

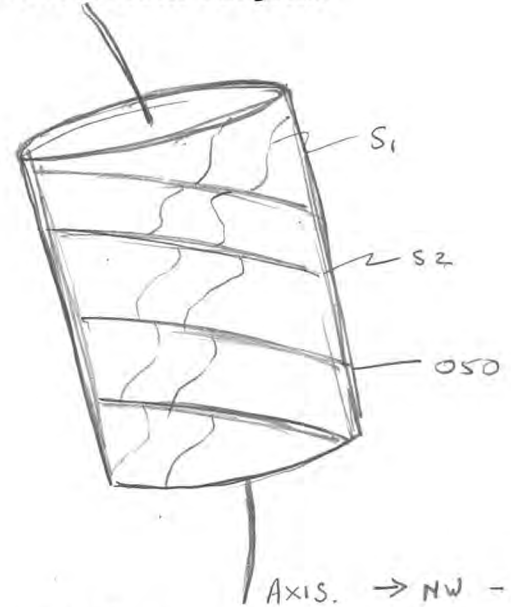
DIAMOND DRILL CORE LOG

Hole Number: FAGU 077

Fabric Orientation Diagram:

Project: GRUM RELOG 81

Location: 78 W.



Claim: _____

^{UTM}
Terr. Plane

Co-ords.: 905047.9 N

*Conversion of
K-A grid*

592188.1 E

Grid

Co-ords.: _____

Inclination: -55°

All symmetry determinations looking

NW with S2 dipping

Elevation: 1114.3

NE with dip azimuth 050.

Total Depth: 167.6 m.

Purpose: GRUM U/G.

Logged by: DSJ - JGS Date(s) Logged: 19 SEPT 81

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

B.Q 0 167.6 m

Started: 9 MAY 81 Completed: 15 MAY 81

DDH F.A.G.4.0.7.7

2

8

Cyprus Anvil Mining Corp.

Page 3 of 6

Lithologic Log

Date: 19 SEP Logged By: DSJ - JGS

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		10	0		11	7				101	14L121	(504*) 1% fusch.
L		11	7		13	7				102	14C151	PHYL
L		13	7		15	4				103	14L1214	
L		15	4		16	0				104	15D1*1	ANK
L		16	0		16	5				105	14L1114	
L		16	5		16	7				106	14L149	
L		16	7		18	7				107	15D1*1	DOL
L		18	7		19	5				108	14L141	
L		19	5		110	7				109	15D1*1	DOL
L		110	7		112	0				110	15D131	
L		112	0		114	2				111	14L1411	
L		114	2		114	6				112	14C101	PHYL (000)
L		114	6		115	0				113	14A101	
L		115	0		119	1				114	15B161	
L		119	1		120	0				115	14A19	(5A19)
L		120	0		124	2				116	15B1612	
L		124	2		125	7				117	15D131	
L		125	7		128	0				118	15D161	(4L0)(5B6)(000)
L		128	0		141	1				119	15B161	
L		141	1		141	7				120	14L121	
L		141	7		162	1				121	15B1612	
L		162	1		164	9				122	14L121	
L		164	9		165	5				123	15D1*1	DOL
L		165	5		166	0				124	14L1211	
L		166	0		170	1				125	14A101	(4A4) at base - see assays
L		170	1		172	2				126	14A1314	[4E5] 20% graph bands, see assays
L		172	2		174	8				127	14E141	
L		174	8		175	1				128	14A1311	
L		175	1		176	2				129	14A131	GOUGE F MIL/ATT. 75.4-75.6 4A3
L		176	2		182	3				130	14A131	
L		182	3		184	2				131	14A143	[4E4/5]
L		184	2		188	0				132	14A101	
L		188	0		188	9				133	14A101	(000) veined A Breccia
L		188	9		190	0				134	15D14*	ANK minor fusch.
L		190	0		190	2				135	14L121	
L		190	2		191	4				136	14A131	Bkn Core = 1/2m CORE REC F.

100 5 - 1

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	1191	4	1101	0	4	137	4A101			
L	1101	0	1101	2	0	138	4A41	(4A41 Phyll)		
L	1101	2	1101	2	5	139	4A3			
L	1101	2	1101	8	2	140	4E46	107.7 - 108 4E5.		
L	1101	8	1123	0	0	141	5A11	(5A13)		
L	1123	0	1124	8	8	142	4E4			
L	1124	8	1125	2	2	143	4G44			
L	1125	2	1125	4	4	144	4C101	Phyll		
L	1125	4	1126	0	0	145	5A3			
L	1126	0	1132	5	5	146	5B62	(5A6)		
L	1132	5	1132	8	8	147	4L2			
L	1132	8	1134	1	1	148	4E4	PART A Breccia fine Carbonate Veins		
L	1134	1	1134	5	5	149	4L4	(4L34)		
L	1134	5	1136	1	1	150	4A4	int fine carbonate veins		
L	1136	1	1137	3	3	151	4A3	(4E5) low grade		
L	1137	3	1138	1	1	152	4A34			
L	1138	1	1140	1	1	153	4A4			
L	1140	1	1141	2	2	154	4A30			
L	1141	2	1142	8	8	155	4A30	BRECCIA A veins DOL cream		
L	1142	8	1143	7	7	156	4A31			
L	1143	7	1144	5	5	157	4E0	A Breccia (4A3, 000 & DOL MATRIX)		
L	1144	5	1145	3	3	158	4A4	Phyll		
L	1145	3	1145	6	6	159	4E0			
L	1145	6	1146	2	2	160	5B64	(4L0)		
L	1146	2	1146	4	4	161	5B62			
L	1146	4	1146	7	7	162	4L0			
L	1146	7	1156	6	6	163	5B62			
L	1156	6	1157	6	6	164	5B62	4		
L	1157	6	1162	7	7	165	5B62			
L	1162	7	1163	0	0	166	4L0			
L	1163	0	1163	5	5	167	4E7*	ANK. [4K7 ANK]		
L	1163	5	1165	6	6	168	4L0			
L	1165	6	1166	2	2	169	5B6			
L	1166	2	1167	2	2	170	4L2			
L	1167	2	1167	6	6	171	5B62			
								END OF HOLE.		

Structural Log

Code	From			To			Feature	E S	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24			26	28	Dip	Direct.	Dip	Direct.	
S				116			CS12	Z			110	0.50	55	0.50	
S				171			CS12	Z			110	0.50	40	0.50	
S				1100			CS12	Z			115	0.50	60	0.50	
S				1150			CS12	Z			215	0.50	40	0.50	
S				1174			CS12	Z			20	0.50	35	0.50	
S				1230			CS12	S			75	2.30	45	0.50	Symm = Z ↑ From 20.8
S				1290			CS12	Z			10	0.50	60	0.50	
S				1308			CS12	Z			20	0.50	50	0.50	
S				1345			CS12	Z			0.5	0.50	50	0.50	
S				1413			CS12	Z			15	0.50	70	0.50	
S				1447			CS12	S			70	2.30	60	0.50	S local ↑ Z
S				1489			CS12	Z			10	0.50	40	0.50	
S				1527			CS12	Z			20	0.50	65	0.50	
S				1579			CS12	Z			10	0.50	60	0.50	
S				1610			CS12	Z			30	0.50	75	0.50	
S				1692			CS12	Z			10	0.50	75	0.50	
S				1719			CS12	Z			35	0.50	65	0.50	
S				1789				R					80	0.50	
S				1832			CS12	S			40	2.30	80	0.50	
S				1867			CS12	Z			30	0.50	75	0.50	
S				1886			CS12	Z			30	0.50	45	0.50	
S				1975				R					50	0.50	
S				110106			CS12	Z			10	0.50	70	0.50	
S				110155				R					60	0.50	
S				110185			CS12						55	0.50	
S				111130			CS12	S			30	0.50	40	0.50	→ SYMM TREATED
S				11205			CS12	S			20	2.30	70	2.30	VERT HOLES 2 SW DIF
S				112155			CS12	S			15	2.30	60	2.30	
S				112193			CS12						70	2.30	
S				113158				R					50	2.30	
S				11406				R					50	2.30	
S				114160			CS12						60	2.30	
S				114177			CS12	Z			75	0.50	40	2.30	
S				115106			CS12	S			20	2.30	70	2.30	
S				115178			CS12	S					75	2.30	
S				116129			CS12	S			20	2.30	55	2.30	→ S to end of Hole

ASSAY LOG (SAMPLER'S COPY)

Date 19 SEPS/

Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION	
	10	14	16	20		22	26	28	30				32
A	117		137		1118910					120	120	4A31	
A	137		154		1118911					117	117	4L124	
P	1120		1142		1118912					122	121	4L14	
P	1660		1680		1118913					120	114	4A101	
P	1680		1701		1118914					121	121	4A101	
A	1701		1722		1118915					121	118	4A131	
A	1722		1748		1118916					126	126	4E14	
P	1748		1762		1118917					114	111	4A131	
A	1762		1782		1118918					120	120	4A131	
A	1782		1802		1118919					120	109	4A131	
A	1802		1823		1119010					121	121	4A131	
P	1823		1842		1119011					119	118	4A14	
P	1842		1866		1119012					124	124	4A101	
P	1866		1889		1119013					123	123	4A101	
												15104*	
A	19100		19114		1129014					114	106	4A131	4L1.
A	19114		1944		1119015					130	128	4A101	
A	1944		1975		1119016					131	126	4A101	
P	1975		11004		1119017					129	129	4A101	
P	11004		11020		1119018					116	116	4A14	
P	11020		11025		1119019					105	105	4A131	
P	11025		11045		1119110					120	120	4E14	
P	11045		11065		1119111					120	120	4E14	
P	11065		11082		1119112					117	117	4E14	
A	11230		11252		1119113					122	122	4E14	4G.
P	11328		11341		1119114					113	111	4E14	
P	11341		11361		1119115					120	120	4A14	(4L4) 4m.
P	11361		11381		1119116					120	120	4A131	
P	11381		11401		1119117					120	120	4A14	
P	11401		11421		1119118					120	120	4A131	
P	11421		11437		1119119					116	113	4A131	
P	11437		11456		111920					119	118	4E1	4A.

LOGGED BY :

D.D.H. No 76-U-77

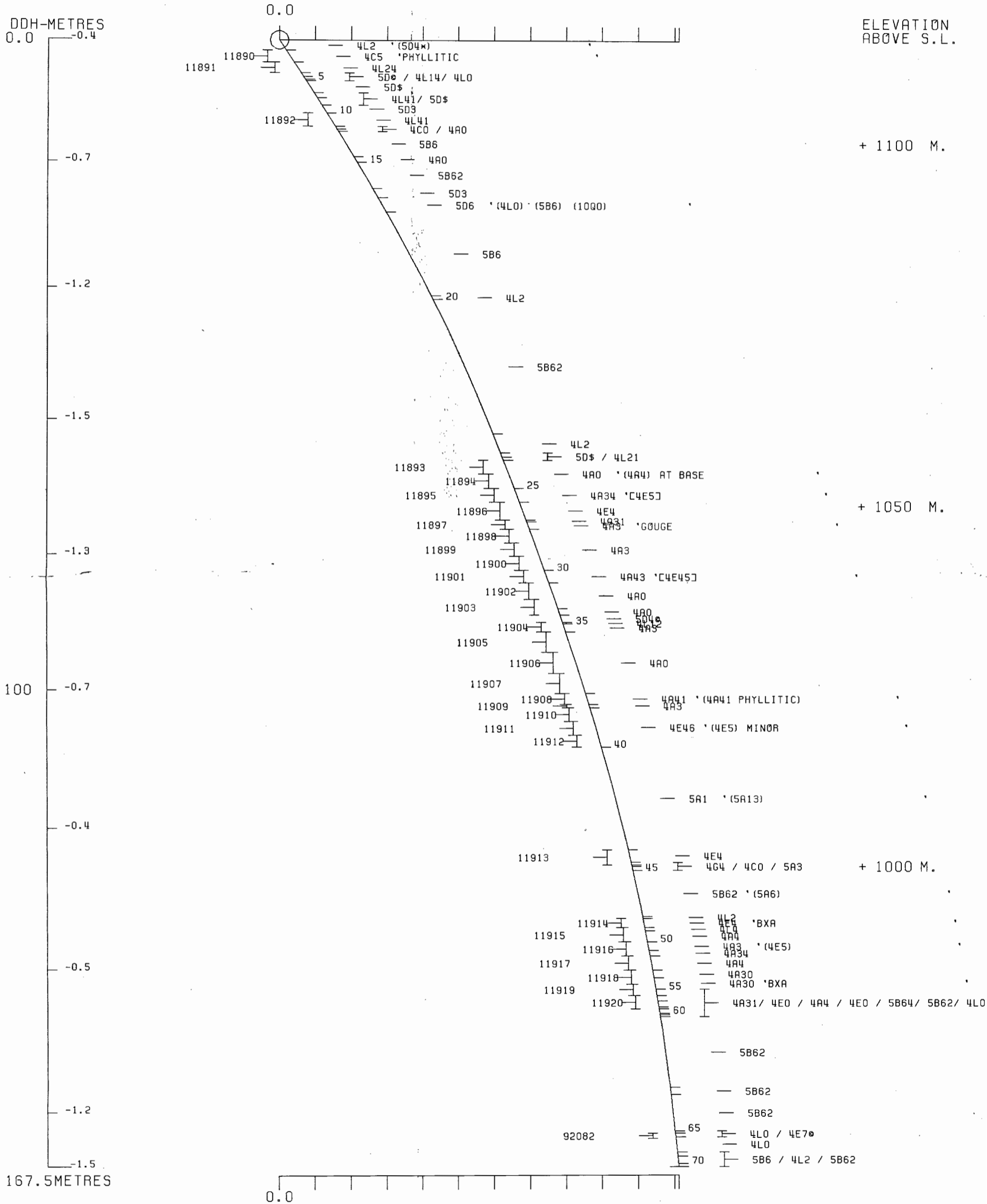
PAGE 2

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay				Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		(c to c plane) with axial plane generally parallel to F. 2															
		62.2: Sharp contact with bleached phyllite (Sb)=75°.															
		Contact marked by thin sulfide laminae =2cm.															
62.2	65.6	BLEACHED PHYLLITE (Sb). Buff coloured with intervening laminae of sulfides and quartz. Foliation=75° (F). F appear to be subverted by F except in fold nose wherein F =0-3° and followed by sulfide train. 2 1	3.4		62.2	65.6											
		65-65.5: Limy groundmass with prominent Fuchsite laminae.															
		65.6: Gradual change to Quartz-sericite-sulfides (P).															
65.6	70.1	QUARTZ-SERICITE-SULFIDES (P). Competent. Trace of graphite Foliation=80°. F subverted by F. Sulfides generally parallel with foliation but also as widely spaced stringers 1 2															
		in x-cutting relation with F. Blebs of Cpy. 10 5	3.0	2709	65.6	68.6	3.0	1.21	1.60	21.26							
		15 5	1.4	2710	68.6	70.1	1.5	1.88	2.50	25.37							
		70.1: Sharp contact w/massive sulfides (M)=80°. 75 6	1.5	2711	70.1	71.6	1.5	0.15	0.60	24.34							
70.1	76.2	MASSIVE SULFIDES (M). Partly banded (MB). Compe- 75 +15	1.6	2712	71.6	73.2	1.6	5.75	10.05	101.8			9.20	16.08	162.92		
		tent. Banding=80°. Fine grained Py admixed with 75 +15	1.5	2713	73.2	74.7	1.5	7.80	14.42	105.94			11.70	21.63	158.91		
		euhedral coarse variety. Cpy blebs. 75 8	0.9	2714	74.4	76.2	1.5	1.53	1.60	30.17							
		75-76.2: FAULT ZONE. Black sticky clay with 40 6	1.0	2715	76.2	77.7	1.5	0.07	0.27	8.23			0.34	PbZn			
		pulverized sulfides and phyllite fragments. 45 6	0.5	2716	77.7	79.2	1.5	0.20	0.75	9.94			0.95	PbZn			
		76.2: Gradual change to quartz-ser. sulfide (P). 60 6	1.0	2717	79.2	80.8	1.6	0.80	0.55	24.34			1.35	PbZn			
76.2	85.3	QUARTZ-SERICITE SULFIDE (P). Competent. Foliation 30 6	1.5	2718	80.8	82.3	1.5	0.11	0.41	5.14			0.52	PbZn			

Interval		DESCRIPTION	Py	Zn	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		F =85-90°; F =45-50°. Sulfides in both foliation. 45 8			1.4	2719	82.3	83.8	1.5	5.83	8.62	97.72			8.745	12.93	146.58
		Trace of graphite as thin laminae. Calcite as short 40 10			1.5	2720	83.8	85.3	1.5	2.70	3.75	44.23			4.05	5.625	66.345
		discontinuous stringers. Barite in groundmass as 10 6			3.1	2721	85.3	88.4	3.1	1.05	1.45	13.03					
		well as cavity walls.															
		77.7-79.2: Low recovery although rx look competent, dense and hard.				W.Av.	71.6	74.4	3.1	6.74	12.16	103.82			20.9	37.71	321.84
		83.8-85.2: Banded Magnetite-Po (2-3cm) =60°.					76.2	82.3	6.1	0.80	PbZn						
		85.3: Gradual change to graphitic sulfides phyllite. B nds of Phyllite increasing.					82.3	85.3	3.0	4.27	6.18	70.975			12.795	18.555	212.93
85.3	88.4	GRAPHITIC PHYLLITE (SG) with prominent sulfide laminae, clots and some (1cm) bands. Competent. Foliation=60° usually followed by sulfide train. F appear to be = to F except in fold noses where f =0°. Blebs of Cpy.															
		87.2: Fold nose.															
		88.4: Sudden change to bleached phyllite (Sb) =60°.															
88.4	90.0	BLEACHED PHYLLITE (Sb). Greenish buff colour. Spots of Fuchsite. Foliation=60-65°.			1.6		88.4	90.0	1.6								
		90.0: Contact with quartz-sulfide (P). Broken core.															
90.0	90.5	QUARTZ-SULFIDE (P). All broken core. 15 5			2.5	2722	90	92.9	2.9	0.65	0.88	12.00					
90.5	102.5	QUARTZ-SERICITE-SULFIDE PHYLLITE WITH TRACE OF GRAPH. (Pg). Competent. Foliation=65-70°. F =F except in fold noses. Barite xls in cavity walls. Clots of Cpy.	10	5	1.4	2723	92.9	94.4	1.5	1.35	1.67	19.20			20.025	2.505	28.8
			10	5	1.5	2724	94.4	96.0	1.6	1.38	1.44	21.26			2.208	2.304	34.016
			15	5	1.3	2725	96.0	97.5	1.5	0.55	0.60	8.91					
			15	6	1.5	2726	97.5	99.0	1.5	2.03	2.40	27.43					

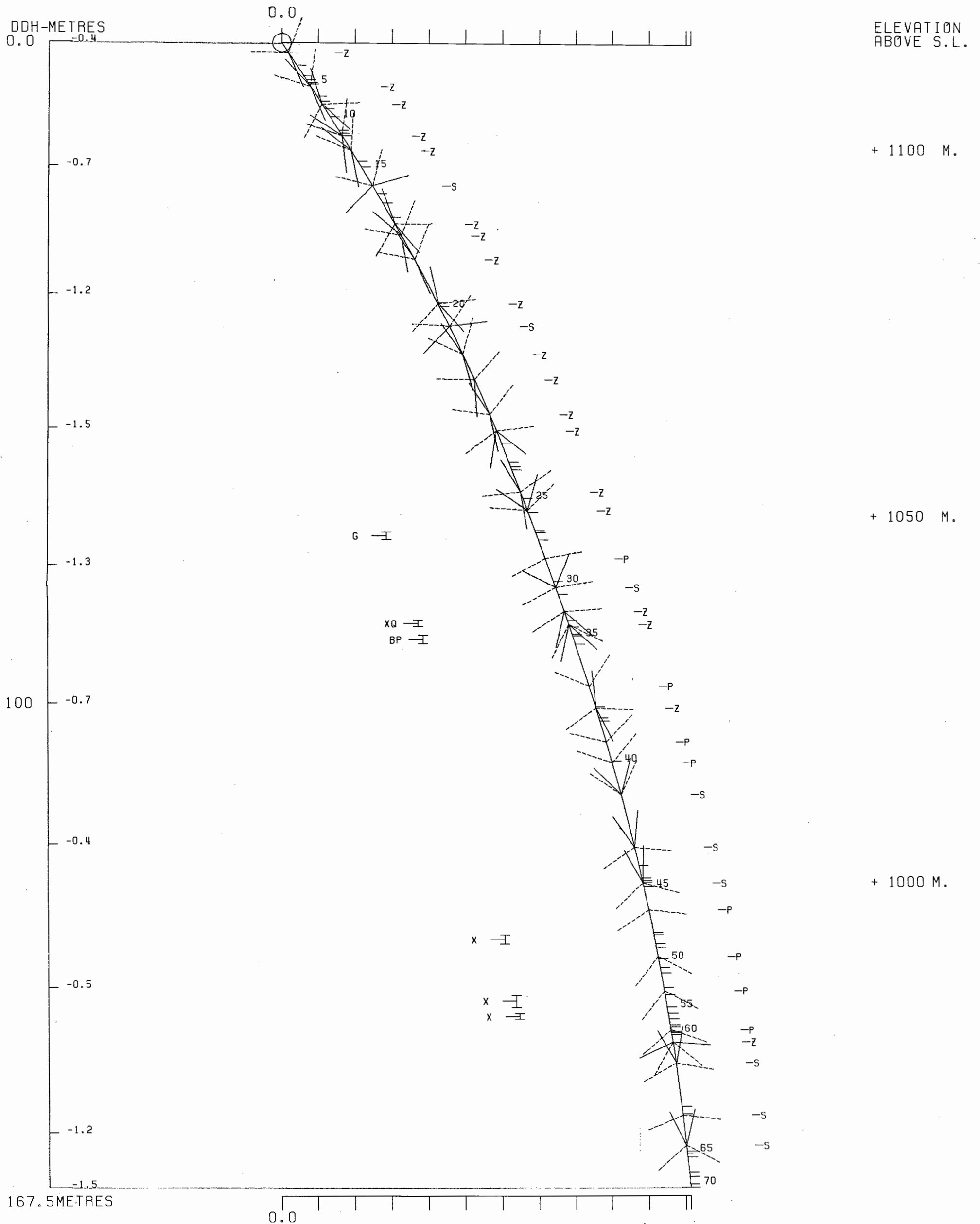
DDH: FAGU077 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV:1114 592188E ; 905048N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 461.8 Z = 1114.2
 SECTION NAME: 78W



DDH: FAGU077 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV:1114 592188E ; 905048N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 461.8 Z = 1114.2
 SECTION NAME: 78W



FAGU079

DRILL HOLE : FAGU079
NORTHING : 905,045.3
EASTING : 592,186.2
ELEVATION : 1,114.5
TOTAL DEPTH : 97.5
SECTION : W 78
R.F.E. : S2
RFE DIRECTION: 50
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 28
NOS DOWN-H-SURVEYS: 3
NOS DOWN-H-LITHOLOGY: 40
NOS DOWN-H-STRUCTURE: 18
NOS DOWN-H-FAULTS: 16
NOS DOWN-H-SPLINES: 3
NOS COMPOSITES: 0

17NOV83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 10

DDH: FAGU079 UTM-N: 905,045.3 UTM-E: 592,186.2 UTM-ELEV: 1,114.5 TOTAL DEPTH: 97.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS													
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
.0	2.5	11841	2.5	2.0	4A0	3.18	.08	1.30	.91	21.00		.81	11	12						
2.5	4.9	11842	2.4	2.2	4A0	2.99	.05	.46	.23	11.00		1.64	5	6						
4.9	6.4	11843	1.5	1.4	4A4	3.04	.04	3.70	3.20	44.00		1.51	5	5						
6.4	7.8	11844	1.4	1.4	4A4		.02	3.16	2.60	34.00										
7.8	9.3	11845	2.0	2.0	4A4	3.06	.02	2.70	2.39	30.99		2.19	5	5						
9.8	11.8	11846	2.0	2.0	4A0	2.95	.02	3.10	1.05	30.99		2.74	4	5						
11.8	13.8	11847	2.0	2.0	4A0	3.18	.04	2.39	.65	27.99		1.51	1	13	14					
13.8	15.4	11848	1.6	1.6	4A0	3.08	.05	.94	.41	27.00		.40	1	11	12					
15.4	16.7	11849	1.3	1.3	4A0	3.31	.10	.90	.52	19.00		1.70	1	13	14					
16.7	18.2	11850	1.5	1.5	4A4	3.12	.11	3.29	5.70	41.00	30.99	1.16	1	10	12					
18.2	19.7	11851	1.5	1.5	4A0	3.16	.08	2.60	1.37	33.00		1.30	1	11	12					
19.7	21.7	11852	2.0	2.0	4A4	3.18	.14	3.79	5.29	51.00		1.98	1	10	12					
21.7	23.0	11853	1.3	1.3	4A0	3.00	.07	1.65	.45	25.00		1.30	7	8						
23.0	25.0	11854	2.0	1.9	4A4	3.06	.08	3.89	4.29	50.00		1.03	1	5	6					
25.0	27.0	11855	2.0	2.0	4A4	3.22	.08	2.50	3.60	40.00		1.10	1	11	12					
27.0	29.1	11856	2.1	2.1	4A4	2.91	.16	5.09	5.00	96.00		2.19	1	18	19					
29.1	31.2	11857	2.1	2.1	4A4	3.56	.14	3.70	4.29	70.00		1.91	1	18	19					
31.2	33.2	11858	2.0	1.7	4E4	4.29	.22	1.83	3.20	34.00		1.51	1	34	36					
33.2	35.2	11859	2.0	1.9	4E4	4.61	.31	3.79	5.00	63.99		1.64	1	35	37					
35.2	36.5	11860	1.3	.8	4E4	4.67	.28	4.29	10.00	97.00	93.00	2.19	2	28	31					
64.7	66.6	11861	1.9	1.9	4H2	3.64	.08	4.50	7.70	65.00		.27	11	10	21					
66.6	68.6	11862	2.0	2.0	4EH	4.06	.23	6.29	11.09	100.00		.47	9	17	27					
68.6	70.6	11863	2.0	2.0	4E4	4.63	.24	8.80	12.50	145.00		.62	3	26	29					
70.6	72.6	11864	2.0	2.0	4E4	4.34	.14	5.40	7.99	106.00		.75	1	23	25					
72.6	74.6	11865	2.0	2.0	4E46	4.54	.26	4.90	8.10	116.99		1.85	22	23						
74.6	76.6	11866	2.0	1.9	4E4	4.50	.20	4.59	6.70	112.99		1.85	26	27						
76.6	78.4	11867	1.8	1.8	4EG4	4.42	.14	5.79	9.80	126.99		2.81	1	24	25					
78.4	80.1	11868	1.7	1.6	4D7	3.20	.08	1.97	3.20	39.00		.47	3	7	11					
WEIGHTED AVERAGE																				
.0	36.5		36.5	34.7		3.20	.10	2.74	2.94	42.09	4.58	1.51	1	13	14					
64.7	80.1		15.4	15.2		4.18	.17	5.34	8.47	102.62		1.13	4	20	24					

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 11

DDH: FAGU079 UTM-N: 905,045.3 UTM-E: 592,186.2 UTM-ELEV: 1,114.5 TOTAL DEPTH: 97.5 SECTION: W 78
RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	119.800	218.400
45.700	124.800	228.000
96.000	131.000	229.000

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 12

DDH: FAGU079 UTM-N: 905,045.3 UTM-E: 592,186.2 UTM-ELEV: 1,114.5 TOTAL DEPTH: 97.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
4.9	0001	4A0		0.5-	1
7.8	0002	4A4		0.5-	1
15.4	0003	4A0	(4A4) AT TOP	0.5-	1
16.7	0004	4A4	(4A43)	0.5-	1
19.7	0005	4A0	(4A4) AT TOP	0.5-	1
20.6	0006	4A4		0.5-	1
23.0	0007	4A0		0.5-	1
29.1	0008	4A4	(4A4 PHYLLITIC)	0.5-	1
30.0	0009	4A0		0.5-	1
31.2	0010	4A4		0.5-	1
31.5	0011	4A31	(4C5) MINOR	0.5-	1
36.2	0012	4E4	(4A3) (4E4#) MINOR	0.5-	1
36.5	0013	4E64		0.5-	1
46.2	0014	5A\$	-> 5B2\$ LOCALLY	0.5-	1
47.8	0015	5B62		0.5-	1
52.9	0016	5B62		0.5-	1
58.7	0017	5B62		0.5-	1
61.4	0018	5B62	BXA	0.5-	1
62.2	0019	4H2		0.5-	1
64.7	0020	5A6	(5A69)	0.5-	1
65.5	0021	4H2		0.5-	1
66.3	0022	5B6	(4H) BXA	0.5-	1
66.6	0023	4A0	BXA	0.5-	1
67.7	0024	4H0	BXA	0.5-	1
70.4	0025	4E4	BXA	0.5-	1
70.6	0026	5D4*		0.5-	1
71.9	0027	4E4		0.5-	1
75.6	0028	4E46	(4G4)	0.5-	1
77.2	0029	4E4	BXA	0.5-	1
77.6	0030	4G4		0.5-	1
77.8	0031	4E4		0.5-	1
78.0	0032	4G4		0.5-	1
78.4	0033	4E4	-> 4F4 BUCKSHOT	0.5-	1
78.6	0034	5D4*		0.5-	1
80.1	0035	4D7	BX A	0.5-	1
80.2	0036	5B62	GOUGE	0.5-	1
80.5	0037	5B62		0.5-	1
80.7	0038	5B62	GOUGE	0.5-	1
83.3	0039	5B62		0.5-	1
97.5	0040	5D0	(5D3)	0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 13

DDH: FAGU079 UTM-N: 905,045.3 UTM-E: 592,186.2 UTM-ELEV: 1,114.5 TOTAL DEPTH: 97.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE	CDE	DHDC	SDC	PROCESS		
FAGU079	0.0	2.4	CS2	Z	0	0	50	0	50	50	0	1	1	1
FAGU079	0.0	3.5	CS2	Z	0	0	40	0	65	50	0	1	1	1
FAGU079	0.0	10.8	CS2	Z	0	0	30	0	60	50	0	1	1	1
FAGU079	0.0	14.7	CS2	Z	0	0	30	0	60	50	0	1	1	1
FAGU079	0.0	20.0	CS2	S	0	0	15	0	35	230	0	1	1	1
FAGU079	0.0	25.0	CS2	Z	0	0	0	0	50	230	0	1	1	1
FAGU079	0.0	28.9	CS2	S	0	0	30	180	65	50	0	1	1	1
FAGU079	0.0	33.0		P	0	0	0	0	50	50	0	1	1	1
FAGU079	0.0	39.2	CS2	Z	0	0	70	0	50	50	0	1	1	1
FAGU079	0.0	43.6	CS2	Z	0	0	60	0	55	50	0	1	1	1
FAGU079	0.0	47.0	CS2	Z	0	0	60	0	45	50	0	1	1	1
FAGU079	51.6	67.7	BXA		0	0	0	0	0	50	0	1	0	0
FAGU079	0.0	73.1		P	0	0	0	0	60	230	0	1	1	1
FAGU079	0.0	78.2		P	0	0	0	0	25	230	0	1	1	1
FAGU079	0.0	85.7	CS2	Z	0	0	50	180	20	230	0	1	1	1
FAGU079	0.0	89.2	CS2	Z	0	0	40	0	40	50	0	1	1	1
FAGU079	0.0	91.2	CS2	S	0	0	30	0	30	230	0	1	1	1
FAGU079	0.0	95.3	CS2	Z	0	0	80	180	50	230	0	1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DHOZ0)

PAGE: 14

DDH: FAGU079 UTM-N: 905,045.3 UTM-E: 592,186.2 UTM-ELEV: 1,114.5 TOTAL DEPTH: 97.5 SECTION: W 78
 RFE: S2 RFE DIR: 50 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
FAGU079	47.8	52.9	1XQ		0	0	0	1
FAGU079	54.4	55.0	X		0	0	0	1
FAGU079	57.6	58.2	X		0	0	0	1
FAGU079	52.9	58.7	2XQ		0	0	0	1
FAGU079	58.7	61.4	3X		0	0	0	1
FAGU079	61.4	62.2	SX		0	0	0	1
FAGU079	62.2	64.7	X		0	0	0	1
FAGU079	64.7	65.5	XD		0	0	0	1
FAGU079	65.5	66.3	XD?		0	0	0	1
FAGU079	66.3	66.6	XD?		0	0	0	1
FAGU079	66.6	67.7	XD?		0	0	0	1
FAGU079	67.7	70.4	XD?		0	0	0	1
FAGU079	75.6	77.2	XQ		0	0	0	1
FAGU079	78.6	80.1	XQ		0	0	0	1
FAGU079	80.1	80.2	G		0	0	99	1
FAGU079	80.5	80.7	G		0	0	999	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 15

DDH: FAGU079 UTM-N: 905,045.3 UTM-E: 592,186.2 UTM-ELEV: 1,114.5 TOTAL DEPTH: 97.5 SECTION: W 78
RFE: S2 RFE DIR: 50 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU079	1	2
FAGU079	2	2
FAGU079	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAG4 079

Fabric Orientation Diagram:

Project: GRUM RELOG

Location: 78 W.

Claim: _____

UTM
Ferr. Plane

Co-ords.: 905045.3 N

*Conversion of
K-A grid*

592186.2 E

Grid

Co-ords.: _____

Inclination: _____

Elevation: 1114.5 m.

Total Depth: 97.5 m

Purpose: GRUM O/G.

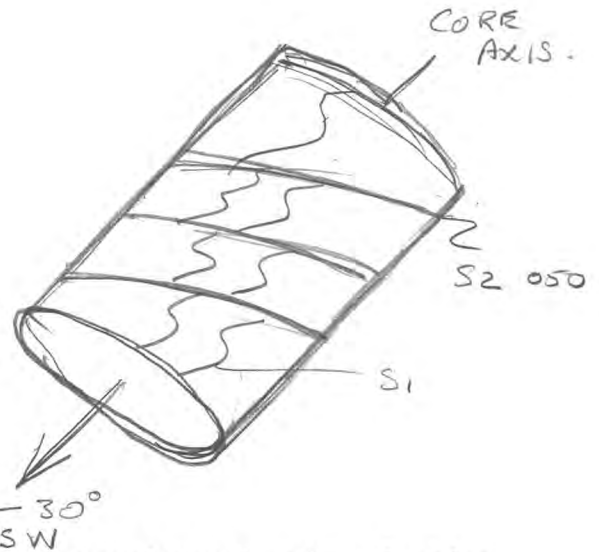
Logged by: DSJ

Date(s) Logged: 17 SEPT 81

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

BØ 0 97.5

Started: 15 MAY 76 Completed: 16 MAY 76



All symmetry determinations looking

NW with S2 dipping

ME. with dip azimuth 050.

Lithologic Log

Date: 17 Sept 81

Logged By: [Signature]

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L		00		49		1	4A0			
L		49		78		2	4A4			
L		78		154		3	4A0	(4A4) AT TOP		
L		154		167		4	4A4	(4A43)		
L		167		197		5	4A0	(4A4) AT TOP		
L		197		206		6	4A4			
L		206		230		7	4A0			
L		230		291		8	4A4	(4A4 phyllitic)		
L		291		300		9	4A0			
L		300		312		10	4A4			
L		312		315		11	4A31	(4C5)		
L		315		362		12	4E4	w/ 4A3 31.8-32.0 & 4E4* calcitic 33.1-33.4		
L		362		365		13	4E64	not true 4G < 10% BaSO4		
L		365		462		14	5A*	whly dolomitic w/ thin cream colored dol. laminae; approaching 5B2* in places		
L		462		478		15	5B62	w/ stypical appearance due to graph. folia		
L		478		529		16	5B62	less carb./graph than 15 w/ incipient oxidation & hairline qtz-CO2 veined networks		
L		529		587		17	5B62	oxidized & incipiently oxidized w/ qtz-CO2-py stockworks & hairline vein networks; two qtz-CO2-py healed breccia zones 54.4-55.0 & 57.6-58.2M oxidation clearly post-D2		
L		587		614		18	5B62	BXIA w/ Xulax petrolithus 5B62 clasts floating in a non-calc. light med grey "rock fdr" matrix; both frameworks & matrix support; no intrusive material evident - possible diatreme??		
L		614		622		19	4A2	strongly foliated, sheared v.f. xline po+py w/ thin breccia bands H2S2 & contacts of sulphides		
L		622		647		20	5A6a	(5A6a) oxidized & partially healed by dol. & po		
L		647		655		21	4A2	w/ finely xline greenish py fol ^m &		

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
											numerous rotated clasts of 5B62 & gt; CO ₃ ⁻
L	655	663						22	5B6a		4H; Bxica, heterotitic; brownish gray, non-calc, variably sulfidic heterotitic bxcia of 5B6a, 4L0, 4C0 and gt; CO ₃ &ular frags in v. fine & sometimes po matrix; also 4H frags in bxcia — deformed?? — no intrusive material healing bxcia
L	663	666						23	4AC		bxcia w/in bxcia of #22/24
L	666	677						24	4AD		bxcia c.f. #22 w/ predominance of po+py (marcasite??) matrix w/heterotitic clasts "floating" in sulf. dominant matrix
L	677	704						25	4E4		minor cse bxcia w/ 4E clasts in PbS-ZnS-py matrix; 68.6-68.8 = 5B6 bxcia as #22
L	704	706						26	5D4*		ankeritic 2-5% fuchsite
L	706	719						27	4E4		
L	719	756						28	4E4G		(4G4); barite disseminated throughout interval generally < 10%
L	756	772						29	4E4		much of interval bxciated & healed by Ca Mg(CO ₃) ₂
L	772	776						30	4G4		
L	776	778						31	4E4		
L	778	780						32	4G4		
L	780	784						33	4E4		⇒ 4F4 buckshot
L	784	786						34	5D4*		strongly fuchsitic see assays
L	786	801						35	4E7 ^o		bxcia commonly gt; CO ₃ healed
L	801	802						36	5B62		gauge; upper contact indeterminate lower contact gauge = 11S ₂ - artifact??
L	802	805						37	5B62		
L	805	807						38	5B62		gauge; upper & lower contacts indeterminate
L	807	833						39	5B62		
L	833	975						40	5D0 (5D3)		

DDH FAGU079
2 8

Cyprus Anvil Mining Corp.

Page 5 of 6

Structural Log

Date: 17 Sept 81 Logged By: DSJ

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
S				24				CS ₂ Z			50	050	50	050			S ₁ steeper than S ₂
S				35				CS ₂ Z			40	050	65	050			
S				40				CS ₁ Z			30	050	60	050			
S				44				CS ₂ Z			30	050	60	050			
S				200				CS ₂ S			15	230	35	230			
S				250				CS ₂ Z					50	230			S ₂ may be horiz. ∴ sym. NFG
S				289				CS ₂ S			30	230	65	050			
S				330					R				50	050			
S				392				CS ₂ Z			70	050	50	050			
S				430				CS ₂ Z			60	050	55	050			
S				470				CS ₂ Z			60	050	45	050			
S	516			677				BXA									BXA ∴ no attitudes/symmetry
S				731					R				60	230			Dip direct. uncertain
S				782					R				25	230			
S				857				CS ₂ Z			50	050	20	230			
S				892				CS ₂ Z			40	050	40	050			S ₁ steeper than S ₂
S				912				CS ₂ S			30	230	30	230			S ₁ " " "
S				953				CS ₂ Z			80	050	50	230			

ASSAY LOG (SAMPLER'S COPY)

Date 17 Sept 81

Sampled by [Signature]

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION	
	10	14	16	20		22	26	28	30				32
P		100		125	1118141			25		120		4VAD1	
P		125		149	1118142			24		122		4VAD1	
P		149		164	1118143			15		114		4VAD1	
P		164		178	1118144			14		114		4VAD1	
P		178		198	1118145			20		120		4VAD1	4 see assays
P		198		118	1118146			20		120		4VAD1	
P		118		138	1118147			20		120		4VAD1	
P		138		154	1118148			16		116		4VAD1	
P		154		167	1118149			13		113		4VAD1	
P		167		182	1118150			15		115		4VAD1	4 see assays
P		182		197	1118151			15		115		4VAD1	
P		197		217	1118152			20		120		4VAD1	
P		217		230	1118153			13		113		4VAD1	
P		230		250	1118154			20		119		4VAD1	
P		250		270	1118155			20		120		4VAD1	
P		270		291	1118156			21		121		4VAD1	
P		291		312	1118157			21		121		4VAD1	
P		312		332	1118158			20		117		4EAD1	
P		332		352	1118159			20		119		4EAD1	
P		352		365	1118160			13		108		4EAD1	(4E46)
													4H2
P		365		647	1118161			19		119		51B619	(4H2)(4AD)
P		647		666	1118162			20		120		4EAD1	4EH
P		666		686	1118163			20		120		4EAD1	(5D4*)
P		686		706	1118164			20		120		4EAD1	(4E46)
P		706		726	1118165			20		120		4EAD1	
P		726		746	1118166			20		119		4EAD1	
P		746		766	1118167			18		118		4EAD1	(4G4) 4EG4
P		766		784	1118168			17		116		4EAD1	(5D4*) see assays
													P

Meters

FAULT

DDH F.A.G.U. 79
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: 6 Oct/82 Logged By: _____

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description	
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.		
I	10	14	16	20	22	24	26	28	32	34	38	40	44	
F		1478		1529	1X1Q									incipient bxiations & hairline qtz-CO ₂ veinlet networks
F		1529		1587	2X1Q									bxiated & incipiently bxiated w/ qtz-CO ₂ -py stockworks & hairline vein networks
F		1544		1550	X1									qtz-CO ₂ -py healed bxa
F		1576		1582	X1									zones bxiation post D ₂
F		1587		1614	3X1									BXA angular heterolithic 5B62 clasts in non-calc, light-med gray rock flues matrix
F		1614		1622	5X1									sheared w/ thin bxa bands 11S ₂ & contacts of sulfides
F		1622		1647	X1									bxiated & partly healed by dol & py
F		1647		1655	X1D									numerous rotated clast of 5B62 & qtz-CO ₂
F		1655		1663	X1D?									heterolithic bxa of 5B6, 4L0, 4C0, & qtz-CO ₂ angular clasts in rock & sulfide flues
F		1663		1666	X1D?									bxa w/in bxa
F		1666		1677	X1D?									heterolithic clast floating in sulfide dominant matrix
F		1677		1710	4X1D?									minor coarse bxa of 4E clasts w/ PbS-ZnS-py matrix
F		1756		1772	X1Q									bxiated & healed by dol
F		1786		1810	1X1Q									bxa - commonly qtz-CO ₂ healed
F		1801		1810	2G1						919	919		gauge, upper cnt 11S ₂
F		1810		1810	7G1									IND

DIAMOND DRILL RECORD

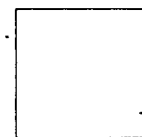
LOGGED BY ALEXANDER YOUNG PO

D. D. H. No 76-U-79 PAGE 1

PROPERTY GRUM JOINT VENTURE

HOLE SURVEY:

DEPTH	BEARING	DIP
COLLAR	218° 23'	-29° 51'
45.7m	227	-35°
96.0m	228	-41°



CLAIM No _____

LATITUDE 10 841.867 3N STARTED MAY 15, 1976

DEPARTURE 7494.408 78W COMPLETED MAY 16, 1976

ELEVATION 1125.110 M PROPOSED DEPTH _____
ULTIMATE DEPTH 97.5m

TOTAL CORE RECOVERY: 94.6%

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	30.5	GRAPHITIC QUARTZ PHYLLITE W?SULPHIDE (Pg). Compe-	15	5	0.9	2743	0	1.5	1.5	1.37	1.00	18.17						
		tent. Foliation=60° (F); F =0-3° and off setted	15	4	1.4	2744	1.5	3.0	1.5	0.44	0.24	8.91			0.68	PbZn		
		by F -ex. 2.6 local concentration of Sph generally	10	3	1.4	2745	3.0	4.6	1.6	0.50	0.14	9.94			0.64	PbZn		
		following F. Py prominently following F in fold	20	6	1.3	2746	4.6	6.1	1.5	3.40	1.78	35.31			5.10	2.67	52.965	
		noses. Fold noses @: 13.5; 15; 18.3;	25	6	1.5	2747	6.1	7.6	1.5	2.93	2.63	30.17			4.395	3.945	45.255	
30.5	32.0	TRANSITIONAL ZONE BETWEEN GRAPHITIC-QTZ-SULF-PHYLL.	25	6	1.5	2748	7.6	9.1	1.5	3.15	1.30	32.22			4.725	1.95	48.33	
		(PG) AND MASS. SULFIDE ZONE (M). Foliation and	20	6	1.5	2749	9.1	10.7	1.6	3.10	1.00	29.14			4.96	1.60	46.24	
		bands=40°. Sulfide bands gradually thickening	30	7	1.5	2750	10.7	12.2	1.5	1.53	0.30	19.20			2.295	0.45	28.8	
		towards end of run.	35	5	1.4	2751	12.2	13.7	1.5	1.25	0.26	28.45			1.875	0.39	42.675	
		30.6-30.9: Broken grd. No clay materials but core	25	4	1.5	2752	13.7	15.2	1.5	0.73	0.38	16.11			1.095	0.57	24.165	
		is angular to Sub-angular=2-4cm.	30	8	1.5	2753	15.2	16.8	1.6	2.88	3.45	31.20			4.61	5.52	49.92	
32.0	36.6	MASSIVE SULFIDE(M). Generally competent except for	15	6	1.4	2754	16.8	18.3	1.5	2.60	1.32	29.14			3.90	1.98	43.71	
		a short interval (=20cm) of Saccharoidal Py. Com-	15	5	1.5	2755	18.3	19.8	1.5	1.89	1.56	23.31			2.835	2.34	34.965	
		positional banding=85°.	15	6	1.5	2756	19.8	21.3	1.5	2.38	2.86	26.40			3.57	4.29	39.6	
		33.1-33.1: Sugary Py, very friable.	20	6	1.5	2757	21.3	22.9	1.6	1.85	0.63	24.34			2.96	1.008	38.944	
		36.5: Banding changes to =75°.	15	8	1.5	2758	22.9	24.4	1.5	4.35	4.40	48.34			6.525	6.60	72.51	
		36.6: Sharp contact with graphitic phyllite (G)=60°20	10		1.5	2759	24.4	25.9	1.5	3.30	3.80	40.45			4.95	5.70	60.675	

DDH: FAGU079 -- 42 DEGREE PROFILE

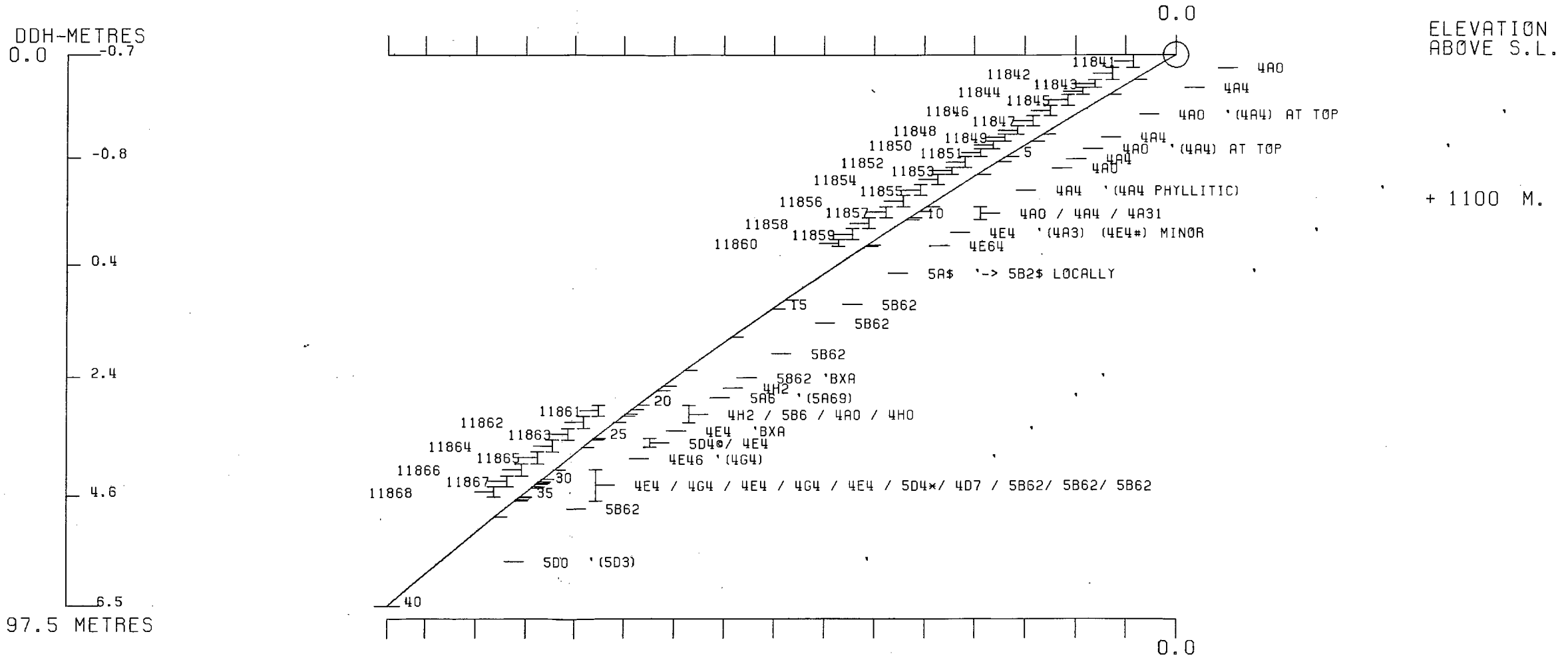
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1115 592186E ; 905045N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 458.6 Z = 1114.4

SECTION NAME: 78W



DDH: FAGU079 -- 42 DEGREE PROFILE

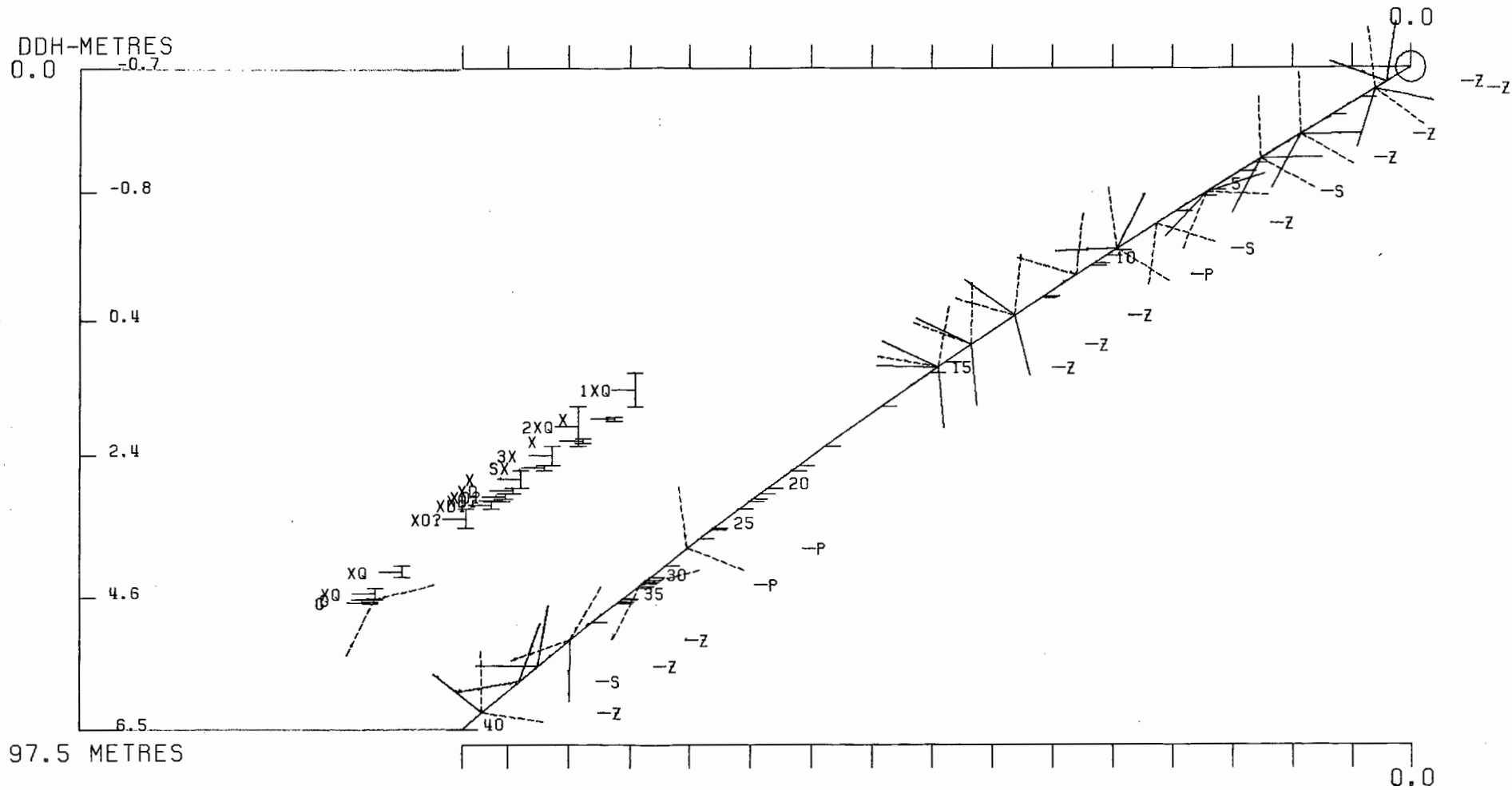
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1115 592186E ; 905045N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 458.6 Z = 1114.4

SECTION NAME: 78W



ELEVATION ABOVE S.L.

+ 1100 M.



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 12 DEC 1984 3:54 PM

FAGU091

DRILL HOLE : FAGU091
NORTHING : 905,132.2
EASTING : 592,261.0
ELEVATION : 1,114.7
TOTAL DEPTH : 97.5
SECTION : W 78
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: 30
NOS DOWN-H-SURVEYS: 2
NOS DOWN-H-LITHOLOGY: 25
NOS DOWN-H-STRUCTURE: 18
NOS DOWN-H-FAULTS: 4
NOS DOWN-H-SPLINES: 2
NOS COMPOSITES: 0

DDH: FAGU091 UTM-N: 905,132.2 UTM-E: 592,261.0 UTM-ELEV: 1,114.7 TOTAL DEPTH: 97.5 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	---ASSAYS---										
FROM	TO										AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
.0	3.0	11970	3.0	1.5	4A30	3.62	.08	1.93	2.70	46.00		1.16	21	22							
3.0	5.5	11971	2.5	2.5	4A30	3.27	.04	1.12	2.60	27.99		.75	13	14							
5.5	8.0	11972	2.5	2.4	4A34	3.41	.02	1.99	3.70	45.00		.95	1	15	16						
8.0	10.0	11973	2.0	1.9	4A1	3.00	.02	1.67	3.10	33.00		.89	1	6	7						
10.0	12.0	11974	2.0	2.0	4A14	2.98	.04	2.10	3.29	39.00		1.23	5	6							
12.0	14.0	11975	2.0	1.9	4A14	2.97	.02	2.10	4.29	35.00		.68	3	4							
14.0	16.0	11976	2.0	2.0	4A1	2.89	.02	1.24	2.39	20.00		1.10		1							
16.0	17.4	11977	1.4	1.4	4A1	2.85	.02	.46	1.27	7.99		.34									
17.4	19.4	11978	2.0	2.0	4D5	3.06	.05	3.29	4.20	54.00		1.23	1	6	7						
19.4	21.4	11979	2.0	2.0	4D5	2.85	.02	1.60	3.39	26.00		.62		1							
21.4	23.3	11980	1.9	1.9	4C5	2.83	.02	1.57	3.39	24.00	21.00	.62	4	5							
23.3	26.0	11981	2.7	2.7	4C5	2.83	.02	.55	.62	10.00		.55		1							
26.0	29.0	11982	3.0	1.2	4L41	2.87	.02	1.08	2.29	18.00		.47	1	2							
29.0	32.0	11983	3.0	2.7	4L41	2.95	.07	1.83	1.76	31.99		1.30	5	6							
32.0	35.0	11984	3.0	2.9	4L41	2.95	.07	1.30	1.06	25.00		.95	1	5	6						
35.0	37.5	11985	2.5	2.5	4L41	2.83	.02	.57	1.71	10.00		.55									
37.5	41.5	11986	4.0	2.4	4C0	2.91	.02	1.31	1.70	23.00		.62	4	5							
41.5	42.7	11987	1.2	1.0	4L41	2.91	.07	1.34	2.70	29.99		.63	1	3	5						
62.6	65.1	11988	2.5	2.3	4AE4	3.62	.22	3.00	4.90	48.00		1.70	1	19	21						
65.1	67.6	11989	2.5	2.1	4AE4	3.49	.13	2.10	3.89	39.00		1.78	1	21	22						
67.6	70.0	11990	2.4	2.4	4A0	2.89	.04	.68	1.03	15.99	11.00	.47	1	2							
70.0	72.0	11991	2.0	1.9	4A0		.04	.64	.63	3.00											
72.0	75.0	11992	3.0	.7	4A0		.07	.64	1.19	15.99											
75.0	77.7	11993	2.7	2.7	4L42		.08	.66	.92	15.99											
79.1	81.4	11994	2.3	2.1	4C0		.07	.45	.84	12.00											
81.4	83.3	11995	1.9	1.7	4L42	2.93	.08	.69	1.84	9.00		.34	6	6							
83.3	86.9	11996	3.6	3.5	4L42	2.85	.02	3.10	1.42	35.00		.47	2	3							
86.9	91.4	11997	4.5	2.5	4L42		.04	.61	.88	11.00											
91.4	94.4	11998	3.0	2.8	4L42		.04	.46	.56	3.00											
94.4	97.5	11999	3.1	3.1	4A34	3.08	.10	2.10	3.00	29.99		.47	9	10							
WEIGHTED AVERAGE																					
.0	42.7		42.7	36.9		3.01	.04	1.49	2.45	28.01		.93	5	6							
62.6	77.7		15.1	12.1		1.63	.09	1.28	2.10	23.38		1.74	7	7							
79.1	97.5		18.4	15.7		1.38	.05	1.31	1.38	17.51		.20	2	3							

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 18

DDH: FAGU091 UTM-N: 905,132.2 UTM-E: 592,261.0 UTM-ELEV: 1,114.7 TOTAL DEPTH: 97.5 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	98.400	230.400
96.000	89.000	232.000

17NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 19

DDH: FAGU091 UTM-N: 905,132.2 UTM-E: 592,261.0 UTM-ELEV: 1,114.7 TOTAL DEPTH: 97.5 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.0	0C01	4A30	(4A34) AT BASE	0.5-	1
17.4	0C02	4A1	84 PHYLLITIC	0.5-	1
23.3	0G03	4C5	PHYLLITIC (4C5) AT BASE	0.5-	1
26.0	0004	4C5	PHYLLITIC [4A1 PHYLLITIC]	0.5-	1
37.5	0005	4L41	[4C0 PHYLLITIC]	0.5-	1
41.5	0006	4C0	PHYLLITIC (4L41)	0.5-	1
42.7	0007	4L41		0.5-	1
54.3	0008	5B6		0.5-	1
56.1	0G09	4C5	BXA	0.5-	1
60.1	0G10	5B6		0.5-	1
60.6	0011	4L0	(5B64)	0.5-	1
61.6	0012	4A37		0.5-	1
62.6	0G13	5D4@	(10Q0)	0.5-	1
67.6	0014	4A30	(4E0) 50:50	0.5-	1
75.0	0015	4A0		0.5-	1
75.4	0016	4L42	1	0.5-	1
75.8	0017	5D4@		0.5-	1
77.7	0018	4L41	2 [4C0 PHYLLITIC]	0.5-	1
79.1	0G19	5D4@		0.5-	1
79.5	0G20	4L42	1 [4C0 PHYLLITIC]	0.5-	1
81.4	0G21	4C0	(4C5)	0.5-	1
83.3	0G22	4L42	1 [4C0 PHYLLITIC]	0.5-	1
83.7	0023	5D4@		0.5-	1
94.4	0024	4L42	1 [4C0 PHYLLITIC] ALTERED 4A	0.5-	1
97.5	0C25	4A34		0.5-	1

17NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 20

DDH: FAGU091 UTM-N: 905,132.2 UTM-E: 592,261.0 UTM-ELEV: 1,114.7 TOTAL DEPTH: 97.5 SECTION: W 78
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE CDE	DHDC	SDC	PROCESS			
FAGUC91	0.0	4.7	CS2	0	0	50	0	20	230	0	1	1	1
FAGU091	0.0	10.2	CS2	0	0	15	0	30	230	0	1	1	1
FAGU091	0.0	15.3	CS2	0	0	75	0	25	230	0	1	1	1
FAGU091	0.0	19.8	PS2	0	0	0	0	0	230	0	1	1	1
FAGU091	0.0	26.0	CS2	0	0	70	0	0	230	0	1	1	1
FAGU091	0.0	33.0	CS2	0	0	90	0	0	230	0	1	1	1
FAGU091	0.0	36.6	CS2	0	0	80	0	10	230	0	1	1	1
FAGU091	0.0	45.7	PS2	0	0	0	0	20	230	0	1	1	1
FAGU091	0.0	50.5	CS2	0	0	45	0	20	230	0	1	1	1
FAGU091	0.0	57.8	CS2	0	0	55	0	5	230	0	1	1	1
FAGU091	0.0	63.3	CS2	0	0	30	0	0	230	0	1	1	1
FAGU091	0.0	67.1	CS2	0	0	45	0	15	230	0	1	1	1
FAGU091	0.0	71.4	CS2	0	0	60	0	20	230	0	1	1	1
FAGU091	0.0	76.0	CS2	0	0	50	0	15	230	0	1	1	1
FAGU091	0.0	79.0	CS2	Z	0	75	180	40	230	0	1	1	1
FAGU091	0.0	85.8	CS2	0	0	0	0	50	230	0	1	1	1
FAGU091	0.0	93.3	CS2	0	0	20	0	60	230	0	1	1	1
FAGU091	0.0	96.8	CS2	0	0	10	0	40	230	0	1	1	1

17NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 21

DDH: FAGU091 UTM-N: 905,132.2 UTM-E: 592,261.0 UTM-ELEV: 1,114.7 TOTAL DEPTH: 97.5 SECTION: W 78
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
FAGU091	37.5	41.5	GB		8		0 0	0 0	0 0	1
FAGU091	47.4	47.7	G				50 180	0 0	0 0	1
FAGU091	54.3	56.1	X				0 0	0 0	0 0	1
FAGU091	73.2	74.7	NPF				0 0	0 0	0 0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (OH020)

PAGE: 22

DDH: FAGU091 UTM-N: 905,132.2 UTM-E: 592,261.0 UTM-ELEV: 1,114.7 TOTAL DEPTH: 97.5 SECTION: W 78
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU091	1	2
FAGU091	2	1

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 5

Date: 21 SEP 81

Hole Number: FAGU 091

Reference Fabric Orientation Diagram:

Project: GRUM RELOG 81

Location: 78 W.

Claim: _____

U.T.M. _____

Ferr. Plane _____

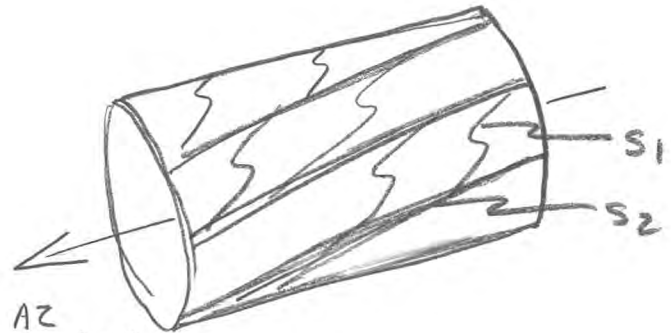
Co-ords.: 905132.5² N

592261.0 E

Grid _____

Co-ords: _____

*Conversion of
K-A grid*



AZ
230°24"
DIP - 8°26"

All symmetry determinations looking

Elevation: 1114.7

MW with S2 dipping

Total Depth: 97.5 m

SW with dip azimuth 230.

Purpose: GRUM. O/G

Reason hole Terminated: _____

Logged by: DSJ JGS

Date(s) Logged: _____

Drilling Contractor: Cameron McCutchan

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>97.5</u>	

Hole Cemented: _____

Steel down hole: _____

Started: 25 MAY 76 Completed: 27 MAY 76

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L		100		180		101	4A30	(4A34) AT BASE		
L		180		174		102	4A174	PHYL. graph - mod carb anhy. see ^{earr} assay		
L		174		233		103	4D51	PHYL. more sil less carbonaceous than above (4C5) AT BAS		
L		233		260		104	4C51	PHYL. [4A1 PHYL.] + graph		
L		260		375		105	4L41	[4C0 PHYL.] more set than 4C.		
L		375		415		106	4C101	PHYL. (4L41) Gangey Bkn Core? F nil att. (2.4m REC)		
L		415		427		107	4L141	more set than 4C.		
L		427		543		108	5B61	^{0.085} 47.4-7.7 uc 50/180 LC. IND; SHALLOW THRUST!		
L		543		561		109	4C51	more sil ? near graph than 4A. Breccia -		
L		561		601		110	5B61			
L		601		606		111	4L01	(5B6/4)		
L		606		616		112	4A137			
L		616		626		113	5D14*	ANK. wk frach (0.90)		
L		626		676		114	4A30	50/50 (4E0)		
L		676		750		115	4A101	why py 73.2-74.7 lost core? F.		
L		750		754		116	4L142/1			
L		754		758		117	5D14*	ANK. no frach. more CO ₃ 5D		
L		758		777		118	4L141/2	[4C PHYL.]		
L		777		791		119	5D14*	ANK. < 1% frach		
L		791		795		120	4L142/1	[4C PHYL.]		
L		795		814		121	4C101	(4C5)		
L		814		833		122	4L142/1	[4C0 PHYL.]		
L		833		837		123	5D14*	ANK < 1% frach		
L		837		944		124	4L142/1	[4C0 PHYL.]		
L		944		975		125	4A30	4L24/2 ABOVE = ALTERED 4A		
								END of HOLE		
								see ^{earr} assay		

DDH FAGU09.1
2 8

Cyprus Anvil Mining Corp.

Page 4 of 5

Structural Log

Date: 21 SEP 81 Logged By: DSJ-JGS

METRES

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				14.7	C/S12			510	2310	210	2310		NR HOLE AXIS near H S2 incl length.
S				110.2	C/S12			115	2310	310	2310		
S				115.3	C/S12			715	2310	215	2310		
S				119.8	P/S12					010	2310		
S				126.0	C/S12			710	2310	010	2310		
S				133.0	C/S12			910	2310	010	2310		
S				136.6	C/S12			810	2310	110	2310		
S				145.7	P/S12					210	2310		
S				150.5	C/S12			415	2310	210	2310		
S				157.8	C/S12			515	2310	015	2310		
S				163.3	C/S12			310	2310	010	2310		
S				167.1	C/S12			415	2310	115	2310		
S				171.4	C/S12			610	2310	210	2310		
S				176.0	C/S12			510	2310	115	2310		
S				179.0	C/S12Z			715	01510	410	2310		
S				185.8	C/S12					510	2310		
S				193.3	C/S12			210	2310	610	2310		
S				196.8	C/S12			110	2310	410	2310		
													EgH.

ASSAY LOG (SAMPLER'S COPY)

Date 21 SEP 81

Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.				REC (m)		UNIT	DESCRIPTION
	10	14	16	20		22	26	28	30	32	34		
P		100		130	11970			30		15		4A30	
P		130		155	11971			25		26		4A30	
P		155		180	11972			25		24		4A30 ⁴	
P		180		110	11973			20		19		4A11 ⁴	
P		110		120	11974			20		20		4A11 ⁴	
P		120		114	11975			20		19		4A11 ⁴	
P		114		116	11976			20		20		4A11 ⁴	
P		116		117	11977			14		14		4A11 ⁴	
P		117		119	11978			20		20		4D5	
P		119		121	11979			20		20		4D5	
P		121		123	11980			19		19		4D5 ^c	
P		123		126	11981			27		27		4C5	
P		126		129	11982			30		12		4L41	
P		129		132	11983			30		27		4L41	
P		132		135	11984			30		29		4L41	
P		135		137	11985			25		25		4L41	
P		137		141	11986			40		24		4C0	
P		141		142	11987			12		10		4L41	
P		162		165	11988			25		23		4A31 ⁴	
P		165		167	11989			25		21		4A31 ⁴	
P		167		170	11990			24		24		4A0	
P		170		172	11991			20		19		4A0	
P		172		175	11992			30		07		4A0	
P		175		177	11993			27		27		4L42	
P		179		181	11994			23		21		4C0	(4L42)
P		181		183	11995			19		17		4L42	
P		183		186	11996			36		35		4L42	
P		186		191	11997			25		25		4L42	
P		191		194	11998			30		28		4L42	
P		194		197	11999			31		31		4A31 ⁴	

Meters

FAULT

DDH F.A.G.U.O.9.1
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: 6 Oct / 83 Logged By: _____

Code	From				To				Feature	S ₁ S ₂	S ₀		S ₁		S ₂		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		
F	13	17	5	14	11	5	G1B	B										Gauge & broken core INO 80% recovery
F	14	17	4	14	17	7	G1		510	11810								Lower cut. INO
F	15	14	3	15	16	1	X1											6xa
F	17	3	2	17	4	7	NIP1F											No core - K-A logs show poor recovery of pebble-size fragments
F																		

DIAMOND DRILL RECORD

LOGGED BY _____

ALEXANDER YOUNG PO

D. D. H. NO 76-U-91

PAGE 1

PROPERTY _____

GRUM JOINT VENTURE

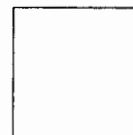
LATITUDE 10,926.783 78W STARTED MAY 25, 1976

DEPARTURE 7,571.588 7N COMPLETED MAY 27, 1976

 ELEVATION 1124.819 PROPOSED DEPTH 106.6m
 ULTIMATE DEPTH 97.5m

HOLE SURVEY:

DEPTH	BEARING	DIP
COLLAR	230° 24'	-8° 26"



CLAIM NO _____

 DIRECTION AND DISTANCE
 FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 88%

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	19.8	QUARTZ-SULFIDE (P). Competent. Foliation=45-50°.	45	6	0.8	2927	0	1.5	1.5	1.86	2.63	35.31			2.79	3.945	52.965
		F appear = F. Localized Sph rich bands. Cpy blebs	60	6	0.5	2928	1.5	3.0	1.5	2.63	2.35	50.40			3.945	3.525	75.6
		1 2 sporadically distributed.	45	6	1.0	2929	3.0	4.6	1.6	1.73	3.63	33.26			2.768	5.808	53.216
		4.4-4.3: Shear. Broken core showing sliding plane.	45	8	1.3	2930	4.6	6.1	1.5	0.78	1.83	17.14			1.17	2.75	25.71
		15.2-18.3: Prominent graphite laminae interval.	50	+15	1.5	2931	6.1	7.6	1.5	2.38	4.85	44.23			3.57	7.28	66.35
		18-18.3: Fold nose.	60	12	1.5	2932	7.6	9.1	1.5	1.42	2.93	28.46			2.13	4.395	42.69
		19.8-20.4: Fold nose. Sericite very prominent.	45	12	1.5	2933	9.1	10.7	1.6	1.28	2.50	22.29			2.048	4.00	35.664
19.8	42.7	DARK MINERALIZED SERICITE PHYLLITE (SP).	50	15	1.5	2934	10.7	12.2	1.5	1.96	3.00	32.23			2.94	4.50	48.345
		Contact with preceeding lithology gradual. Sericite	50	15	1.5	2935	12.2	13.7	1.5	1.61	2.58	24.34			2.415	3.87	36.51
		very prominent with intercalated sulfide laminae.	40	12	1.3	2936	13.7	15.2	1.5	1.88	3.75	26.40			2.82	5.625	39.6
		Foliation changes to 35° at 30.5m on. Foliation=0°;	20	3	1.2	2937	15.2	16.8	1.6	0.85	1.93	12.00			1.36	3.09	19.20
		could be F.	30	12	1.0	2938	16.8	18.3	1.5	3.13	4.65	42.51			4.695	6.975	63.765
		1	30	10	1.3	2939	18.3	19.8	1.5	3.23	4.30	46.59			4.845	6.45	69.75
		24.2-24.4: Broken ground. Pebble size core.	30	7	2.9	2940	19.8	22.9	3.1	2.08	4.88	26.40			6.448	15.128	81.84
		38.1-39.6: FAULT. Broken ground. Pebble and	15	5	2.5	2941	22.9	25.9	3.0	0.98	1.93	14.06					
		sericite flakes with some sulfides.	25	6	3.0	2942	25.9	29.0	3.1	1.68	2.83	25.37			5.208	8.773	78.647
		40.5-41.1: FAULT. Same characteristic as above.	30	9	1.2	2943	29.0	30.5	1.5	2.33	2.50	35.31			3.495	3.75	52.965

LOGGED BY

D.D.H. No 76-U-91

PAGE 2

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		42.7: Gradual change to sericite phyllite (S) by	15 5	1.4	2944	30.5	32.0	1.5	1.65	0.98	23.31			2.475	1.47	34.965
		marked decrease of sulfide showing.	15 5	1.3	2945	32.0	33.5	1.5	1.60	1.63	26.40			2.40	2.445	39.6
42.7	60.0	SERICITE PHYLLITE (S). Fairly competent in greater	15 8	1.5	2946	33.5	35.1	1.6	1.18	0.98	17.14			1.888	1.568	27.424
		part of run, except for some short intervals of very	10 4	2.5	2947	35.1	38.1	3.0	0.75	1.68	9.94			2.25	5.04	29.82
		fissile ground. Foliation=10-15°. Sporadic sulfide clots.		1.5		38.1	41.1	3.0								
			10 4	1.0	2948	41.1	42.7	1.6	1.20	2.13	23.31					
		46; 49.8; 53: Fold noses.														
		47.4-47.5: FAULT. Thick, sticky gray gouge.		16.8		42.7	60.0	17.3								
		54.5-54.9: Broken core. White bleached quartzo-feldspathic			W.Av.	0	16.8	16.8	1.66	2.90	29.51			27.96	48.79	495.75
		material, earthy lustre. Could be shear zone.			W.Av.	0	15.2	15.2	1.75	3.01	31.4			26.6	45.7	476.55
		60.0: Sharp contact with mineralized graphitic phyllite (PG)			W.Av.	16.8	22.9	6.1	2.62	4.68	35.30			15.988	28.553	215.36
		=40°. Contact marked by bull quartz.			W.Av.	25.9	30.5	4.6	1.89	2.72	28.61			8.703	12.523	131.61
					W.Av.	30.5	38.1	7.6	1.19	1.38	17.34			9.013	10.523	131.61
60.0	74.7	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent.	10 6	2.5	2949	60.0	62.5	2.5	0.78	1.48	16.11					
		Foliation=30-35°. Sulfides as laminae.	45 12	1.5	2950	62.5	64.0	1.5	3.48	3.70	50.40			5.22	5.55	75.6
		61-62.6: Bleached Phyllite interval (Sb). Buff to	60 8	1.5	2951	64.0	65.5	1.5	3.08	6.65	49.37			4.62	9.975	74.055
		creamy white. Partly mineralized as widely spaced	40 5	1.6	2952	65.5	67.1	1.6	1.50	3.00	26.40					
		sulfide laminae. Foliation=10°. Fold nose @ 61.5.	20 6	1.5	2953	67.1	68.6	1.5	1.40	2.23	24.34			2.10	3.345	36.51
		Sharp contact. First=25°; Second=50°.	15 3	1.4	2954	68.6	70.1	1.5	0.73	1.35	10.97			1.095	2.025	16.455
		70-70.1: FAULT. Silvery gray gouge with graphite	15 2	2.7	2955	70.1	73.2	3.1	1.08	0.88	13.03			1.96	PbZn	
		and sulfide fragments.	10 2	1.6	2956	73.2	76.2	3.0	0.70	0.98	13.03			1.68	PbZn	
			15 3	1.4	2957	76.2	77.7	1.5	1.53	2.10	25.37					

LOGGED BY

D.D.H. NO 76-U-91

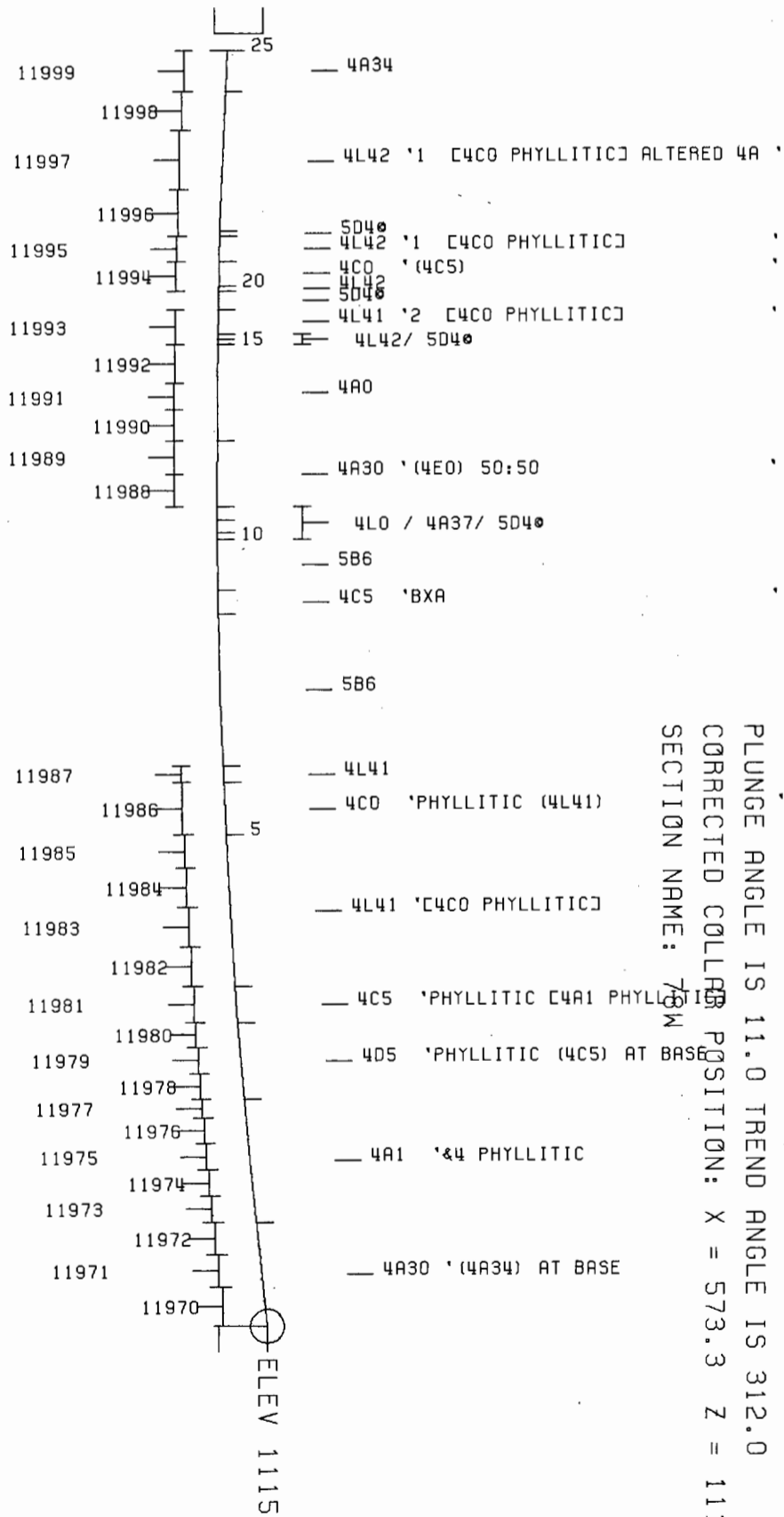
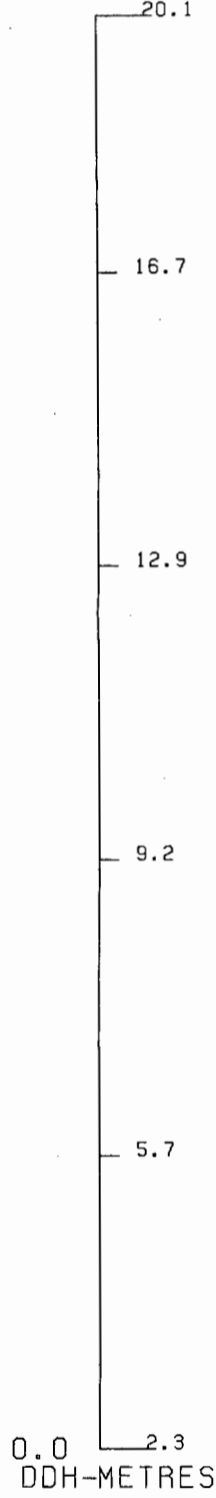
PAGE 3

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay #				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		72-74.8: Broken ground. Very poor recovery. No gouge but core is only pebble size fragments.	1.3		77.7	79.2	1.5										
		74.7: Change to Bleached Phyllite (Sb). Contact broken ground.		W.Av.	62.5	65.5	3.0	3.28	5.17	49.89			9.84	15.525	149.66		
				W.Av.	67.1	70.1	3.0	1.7	1.79	17.65			3.195	5.370	52.965		
74.7	79.4	BLEACHED PHYLLITE (Sb). Competent. Foliation=40° except near fold nose where it is 0°. Mineralization in form of clots and some laminae.		W.Av.	70.1	76.2	6.1	1.82	PbZn				11.116	PbZn			
		77.7-79.2: Barren. Prominent fuchsite.		W.Av.	83.8	86.9	3.1	3.99	2.08	45.79			12.375	6.466	141.97		
		77.7; 78; 79: Fold noses.		W.Av.	88.4	94.5	6.1	1.15	PbZn								
		79.2: Gradual change to Quartz-Sericite-Sulfide (P).															
79.4	94.5	QUARTZ-SERICITE-SULFIDE (P). Competent. Foliation =45°. Short intervals of bleached phyllite @ 83.5-83.6.	15 2 20 3 20 8	1.6 1.5 1.5	2958 2959 2960	79.2 80.8 82.3 83.8	1.6 1.5 1.5	0.55 0.43 1.08	0.75 0.93 1.75	17.14 8.22 13.02			1.30 1.26	PbZn PbZn			
		94.5: Gradual increase of graphitic laminae.	25 12	1.5	2961	83.8 85.3	1.5	4.73	1.26	50.40			7.095	1.89	75.6		
94.5	97.5	GRAPHITIC SERICITE PHYLLITE (SG+P). Mineralized, competent. Foliation=40-45°. F =0-5° (nose).	30 15 25 12	1.6 1.5	2962 2963	85.3 86.9 88.4	1.6 1.5	3.30 1.03	2.86 1.30	41.48 10.97			5.28	4.576	66.368		
		95.8: Fold nose.	25 6 25 3	1.5 1.5	2964 2965	88.4 89.9 91.4	1.5 1.5	0.53 0.52	0.63 0.68	8.22 6.17			1.16 1.20	PbZn PbZn			
	97.5	END OF HOLE.	30 2 20 3 40 12 35 4	1.6 1.5 1.5 1.5	2966 2967 2968 2969	91.4 93.0 94.5 96.0 97.5	1.6 1.5 1.5 1.5	0.50 0.48 2.98 0.83	0.60 0.68 3.55 0.68	7.20 8.22 49.37 16.11			1.10 1.16	PbZn PbZn			



CYPRUS ANVIL MINING CORPORATION
 PROGRAM DH162 11 DEC 1984 4:06 PM

97.5 METRES



SECTION NAME: 78M
 CORRECTED COLLAR POSITION: X = 573.3 Z = 1115.1
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 ELEV: 1115.592261E ; 905132N

DDH: FAGU091 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

DDH: FAGU091 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1115 592261E ; 905132N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 573.3 Z = 1115.1

SECTION NAME: 78W

* CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 12 DEC 1984 3:55 PM

