

GRUM

SECTION

80W

3 of 3

015028

76. U146

DRILL HOLE : FAGU146
NORTHING : 905,181.9
EASTING : 592,227.9
ELEVATION : 1,108.1
TOTAL DEPTH : 73.7
SECTION : W 80
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 13
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 14
NOS DOWN-H-STRUCTURE: 17
NOS DOWN-H-FAULTS: 5
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

JDH: FAGU146 UTM-N: 905,181.9 UTM-E: 592,227.9 UTM-ELEV: 1,108.1 TOTAL DEPTH: 73.7 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	ASSAYS			BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
FROM	TO											AU(FA) G/MT	PO %	PY %						
15.2	17.2	08501	2.0	1.9	4A0	3.19	.06	1.36	2.64	30.00	.75		11	12						
17.2	19.2	08502	2.0	2.0	4A0	3.18	.08	.92	1.51	26.00	.89		11	12						
19.2	21.2	08503	2.0	2.0	4A0	3.22	.05	.98	1.43	26.00	.82		13	14						
21.2	23.2	08504	2.0	2.0	4A0	3.08	.05	1.13	1.86	28.00	.75			8						
23.2	25.2	08505	2.0	2.0	4A4	3.14	.05	2.90	4.50	43.00	1.03	1	6	8						
25.2	27.9	08506	2.7	2.7	4A4	3.06	.04	2.70	4.50	39.00	.69	1	4	5						
27.9	29.5	08507	1.6	1.6	4DL4	3.34	.07	4.40	5.90	69.00	1.10	4	8	13						
29.5	31.2	08508	1.7	1.6	4A14	3.35	.06	8.10	13.10	143.00	1.10	2	5	7						
31.2	32.4	08509	1.2	.9	4L4	3.37	.13	3.40	3.50	54.00	.96	3	13	16						
39.1	41.6	08510	2.5	2.5	4ADL	3.30	.16	1.72	3.50	37.00	.69	1	12	14						
44.1	46.9	08511	2.8	2.8	4A0	3.45	.15	1.25	2.30	29.00	1.44	1	17	18						
46.9	47.9	08512	1.0	1.0	4A0	3.74	.25	1.05	.55	32.00	1.30	1	25	27						
47.9	49.1	08513	1.2	1.1	4D4	4.25	.20	6.50	9.50	111.00	1.71	1	24	26						
WEIGHTED AVERAGE																				
15.2	32.4		17.2	16.7		3.19	.06	2.71	4.18	48.23	14.72	.87	1	8	10					
39.1	41.6		2.5	2.5		3.30	.16	1.72	3.50	37.00		.69	1	12	14					
44.1	49.1		5.0	4.9		3.70	.18	2.47	3.67	49.28		1.47	1	20	22					

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DOWN-HOLE SURVEYS (DH020)

PAGE: 35

DDH: FAGU146 UTM-N: 905,181.9 UTM-E: 592,227.9 UTM-ELEV: 1,108.1 TOTAL DEPTH: 73.7 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	1.400	224.000

DDH: FAGU146 UTM-N: 905,161.9 UTM-E: 592,227.9 UTM-ELEV: 1,106.1 TOTAL DEPTH: 73.7 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
15.2	0001	5A0	->(5A19&3)(4L2)(10Q&*)BOTH MIN		
27.9	0002	4A0	&4	0.0	1
29.5	0003	400	SERICITIC? (504*)	0.0	1
31.2	0004	4A14	PHYLLITIC	0.0	1
32.4	0005	400	->4L14	0.0	1
39.1	0006	3G06		0.0	1
39.7	0007	400	SERICITIC? (504*)	0.0	1
41.6	0008	4A3	->4C SERICITIC END(4L3)MINOR	0.0	1
44.1	0009	5D4*	(400)(504*)BOTH MINOR	0.0	1
47.9	0010	4AC		0.0	1
49.1	0011	4D4	LOCALLY POROUS	0.0	1
52.9	0012	3G9	&3 (504*) MINOR	0.0	1
58.9	0013	5B2&		0.0	1
73.7	0014	5B0	(5D0)	0.0	1

DDH: FAGU146 UTM-N: 905,181.9 UTM-E: 592,227.9 UTM-ELEV: 1,108.1 TOTAL DEPTH: 73.7 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE	CDE	DHDC	SDC	PROCESS	
FAGU146	0.0	2.9	CS2		0	0	0	84	230	0	1	0	0
FAGU146	0.0	9.0	CS2		0	0	0	75	230	0	1	0	0
FAGU146	0.0	15.0	CS2		0	0	0	70	230	0	1	0	0
FAGU146	0.1	27.9	CS2	S	0	0	0	0	0	0	1	0	0
FAGU146	27.9	29.5	PS2	P	0	0	0	0	0	0	1	0	0
FAGU146	0.0	36.8	CS2		0	0	0	73	230	0	1	0	0
FAGU146	29.5	38.7	CS2	S	0	0	0	0	0	0	1	0	0
FAGU146	0.0	39.0	PS2		0	0	0	71	230	0	1	0	0
FAGU146	0.0	43.3	PS2		0	0	0	80	230	0	1	0	0
FAGU146	38.7	49.1	PS2	P	0	0	0	0	0	0	1	0	0
FAGU146	0.0	50.4	CS2		0	0	0	77	230	0	1	0	0
FAGU146	0.0	56.2	CS2		0	0	0	77	230	0	1	0	0
FAGU146	49.1	59.7	CS2	S	0	0	0	0	0	0	1	0	0
FAGU146	0.0	62.5	CS2		0	0	0	80	230	0	1	0	0
FAGU146	0.0	69.7	CS2		0	0	0	76	230	0	1	0	0
FAGU146	0.0	73.6	CS2	-	0	0	0	75	230	0	1	0	0
FAGU146	59.7	73.7	CS2	D	0	0	0	0	0	0	1	0	1

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DOWN-HOLE FAULTS (DH020)

PAGE: 38

DDH: FAGU146 UTM-N: 905,181.9 UTM-E: 592,227.9 UTM-ELEV: 1,108.1 TOTAL DEPTH: 73.7 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: C

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD		
FAGU146	35.9	36.6	1G				73	0	0	73	0	1
FAGU146	50.0	50.3	1GB				0	0	0	0	0	1
FAGU146	51.3	51.8	GBF				77	0	0	77	0	1
FAGU146	67.1	68.6	PF?	3			0	0	0	0	0	1
FAGU146	71.5	71.7	1BS				0	0	0	0	0	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-0146

Fabric Orientation Diagram:

Project: GRUM

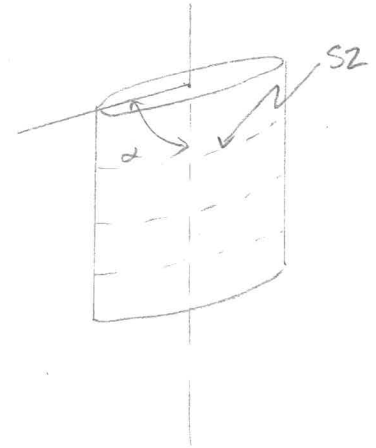
Location: VANGORDA PLATEAU

Claim: _____

UTM
Terr. Plane
Co-ords.: 6,905,181.93 N

592,227.91 E

Grid
Co-ords.: 80W/7N



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1108.1

Total Depth: 73.7 m

Purpose: _____

Logged by: RE PN

Date(s) Logged: JULY 4,5/80

Drilling Contractor: _____

Core: Size From To Collar Cased and Capped: _____

BQ 0 EOH

Started: 13/8/76 Completed: 15/8/76

Lithologic Log

Logged By: PN
 Checked RJ 31 July 81

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
5A0 (5A19)	10 0	15 2	11	51A10	⇒ 5A19 ± # dot. minor py stringers, po blebs, calcite fracture fillings; 0Q0 4.3-4.7 m; 4L6 w/ manposite / py, po, lesser gal & sph 4.7-5.5 m, 6.0-6.1 m; variably calcareous - non to slightly; 4.1-6.1 m = 4L2 (0Q0, 0Q*)
	15 2	27 9	2	41A10	2% PbZn; red sph w/ lesser gal; abundant py (5%); more
	27 9	29 5	3	4D14	10% PbZn; red sph, lesser gal; light brown altered, slightly calcareous 5D4* w/ minor py blebs 28.5-29.0 m; & fuchsite 21%
	29 5	31 2	4	41A11	5% PbZn; red sph; 4A14 "phyllitic" in 1981 nomenclature
	31 2	32 4	5	41L4	2% PbZn; red sph; minor po stringers; ⇒ 4C0
3G0	32 4	39 1	6	5B16	chloritic w/ py blebs 32.4-32.7 m; minor py, po blebs; altered 5D6 w/ manposite 38.6-39.1 m; ^{unit has 2% py} stringers of 5A19 _{but not carb. enough}
	39 1	39 7	7	4D14	some sericite development; 5% PbZn; red sph, lesser gal; altered 5D6 w/ manposite 39.4-39.5 m; 5D4* 1981 > 2% fuchsite
	39 7	41 6	8	41A13	16% py; 1% PbZn; 4L3 40.9-41.1 m; 4L6 w/ 1% PbZn 41.4-41.6 m; 5D4*
5D4*	41 6	44 1	9	5D16	altered, tan altered w/ manposite, small calcite clasts (<1mm. in diameter), Atz bands & py stringers from 41.6- 42.6 m, 43.1-43.2 m; 4D0 w/ 1% PbZn 42.6-43.1 m; slightly calcareous 43.2-44.1 m; siliceous bleached 5D w/ manposite (43.2-43.4 m) grading downwards w/ increasing chl content (43.4-43.9) then downwards into mottled 5D ^{50mt} (43.9-44.1); "5D04* 1981"
	44 1	47 9	10	41A10	PbZn-rich in areas; 2% PbZn 45.1-46.3 m;
	47 9	49 1	11	4D14	few py stringers; somewhat porous & poorly indurated 48.5-48.8 m; 15% PbZn; red sph; ^{band in} 4A0
3G9 ± # dot	49 1	52 9	12	5A16	py stringers & blebs; altered, tan 5D6 50.8-51.0 m; gouge from 51.4-51.7 m; minor Atz bands;
5B2 ± # dot	52 9	58 9	13	5B12	slightly calcareous; minor calcite fracture fillings; calcareous 5D/4L from 54.4-54.9 m, w/ py blebs; more highly calcareous from 57.0-57.5 m;
5B0 (5D0)	58 9	73 7	14	5B18	calcareous; 5D0 62.0-62.5 m, 73.2-73.7 m; sheared at 71.6 m; 5B0 71.6-73.2 m;
		71 0 H			

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20	22 24 26 28			32	34	
S			29		CSZ		84	230	min D at 6.5, 8.9-9.0, 9.7, 13.1 ± 13.5 m; F4 at 10.4 & 11.4 m;
S			90		CSZ		75	230	
S			150		CSZ		70	230	at 27.5 SZ is almost c.a.
S			279		FZS				R region 27.9 - 29.5 m;
S			295		FZR				S sym. 29.5 - 38.7 m; S3 at 33.6, 34.6 m;
S			368		CSZ		73	230	
S			387		FZS				R region 38.7 - 49.1 m; 2/3 massive Sulphides;
S			390		PSZ		71	230	
S			433		PSZ		80	230	
S			491		FZR				S sym. 49.1 - 59.7 m; P region 53.6 - 54.2 m; F4 at 57.4 m, 59.6 m;
S			504		CSZ		77	230	
S			562		CSZ		77	230	
S			597		FZS				D region 59.7 - 73.7 m; generally scattered S sym; F4 at 64.7 - 69.9 m; S3 at 71.4 m; minor P at 72.4 m;
S			625		CSZ		80	230	
S			697		CSZ		76	230	
S			736		CSZ		75	230	
			EQH						

Logged 1980, checked for sampling 1981 (JST)
 PN

meters

CODE	FROM				TO				SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10	14	16	20	22	26	28	30					
P		15	2		17	2		85101	20		19	41A01	
P		17	2		19	2		85102	20		20	41A01	
P		19	2		21	2		85103	20		20	41A01	
P		21	2		23	2		85104	20		20	41A01	
P		23	2		25	2		85105	20		20	41A01	
P		25	2		27	9		85106	27		27	41A01	
P		27	9		29	5		85107	16		16	41D02	
P		29	5		31	2		85108	17		16	41A11	
P		31	2		32	4		85109	12		09	42H1	
P		39	1		41	6		85110	25		25	41A01L	
P		44	1		46	9		85111	28		28	41A01	→ sampler changed 46.1 → 46.9
P		46	9		47	9		85112	10		10	41A01	
P		47	9		49	1		85113	12		11	41D4	

DDH FAGU.146
² *Meters* ⁸

Cyprus Anvil Mining Corp.

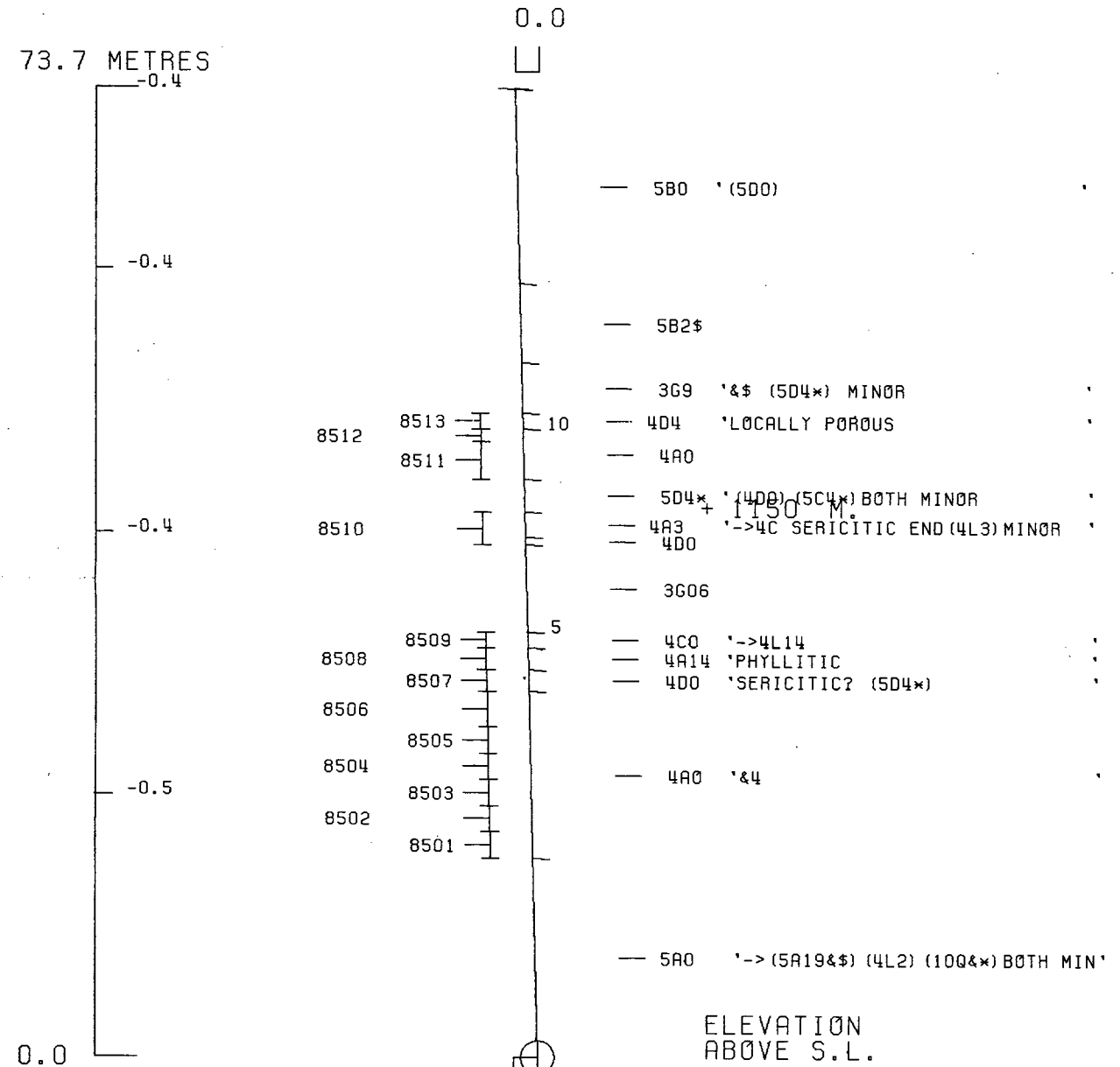
Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	E ₂	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
F	359		346	15				7B800					7B800				S ₂ 11 gauge in 4-2cm bands minor
F	500		503	1GB													minor gouge, broken core, minor
F	513		518	GBF				77000					77000				S ₂ 11 gauge & broken core (signif)
F	671		686	DF?													30% recy - fault?
F	715		717	1BS													minor broken core, no gouge

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
					W.Av.	24.4	27.4	3.0	2.35	4.00	33.3					
					W.Av.	27.4	30.5	3.1	4.38	6.60	64.1			13.58	20.46	198.59
					W.Av.	27.4	32.3	4.9	4.32	6.26	66.5			21.19	30.65	325.72
30.5	32.3	QUARTZ-SULFIDE (P). Competent. Foliation = 80°; F = 0°.			W.Av.	29.0	32.5	3.3	3.76	5.82	60.97			12.41	19.19	201.19
		Sulfides in both foliation.			W.Av.	15.2	22.9	7.7	3.14	PbZn						
		32.3: Abrupt clean change to bleached sericite phyllite (Sb)			W.Av.	22.9	27.4	4.5	2.21	3.60	31.7					
		Contact = 85°.														
32.3	33.0	BLEACHED PHYLLITE (Sb). Light gray colour. Competent.	0.7			32.3	33.0	0.7								
		Foliation = 80-85°. Minor blebs of Po.														
		33.0: Gradual change to Sericite phyllite (S).														
33.0	38.6	SERICITE PHYLLITE (S). Competent. Foliation = 80-85°; F = 0-5°.	5.0			33.0	38.6	5.6								
		36.0: Shear.														
		38.6: Abrupt change to bleached phyllite (Sb). Contact = 85														
38.6	39.6	BLEACHED PHYLLITE (Sb). Competent. Buff with fuchsite spots	0.4			38.6	39.0	0.4								
		Foliation = 80-85°.														
		39.1-39.3: Mineralized band. Sulfide following foliation.	30.7	2.0	4264	39.0	41.6	2.6	2.35	4.25	38.40					
		39.6: Sharp change to mineralized graphitic phyllite (P-G). Contact very sharp and clean = 80°.	4 Tr.	1.9		41.6	44.0	2.4	Trace, est.							
		25 6	1.7		4265	44.0	45.7	1.7	1.90	3.68	35.31			3.23	6.26	60.03



0.0
DDH-METRES

ELEVATION
ABOVE S.L.

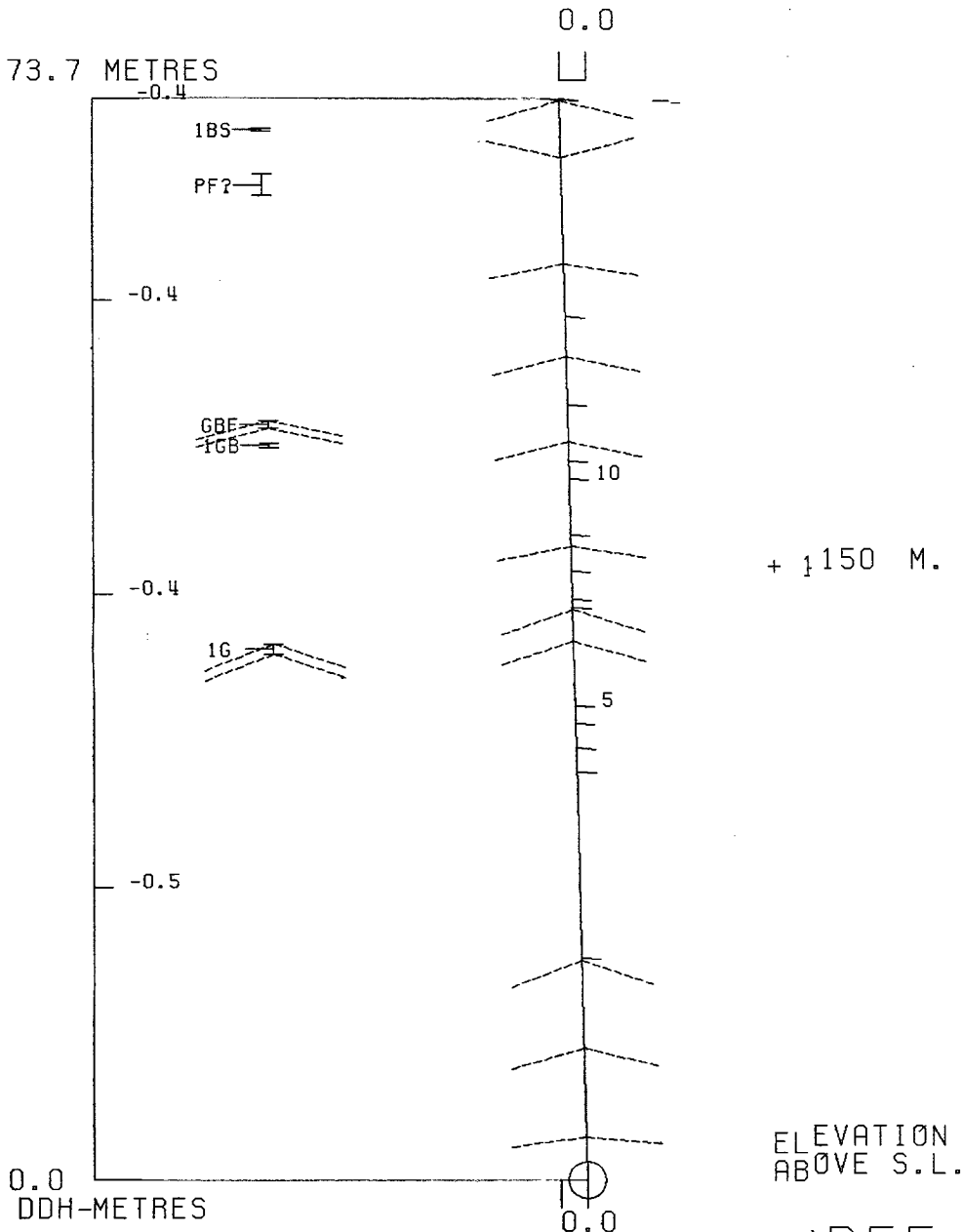
DDH: FAGU146 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1108 592228E ; 905182N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 587.8 Z = 1108.0

SECTION NAME: 80W



DDH: FAGU146 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1108 592228E ; 905182N
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 587.8 Z = 1108.0
SECTION NAME: 80W

76 U 149

DRILL HOLE : FAGU149
NORTHING : 905,143.1
EASTING : 592,191.8
ELEVATION : 1,106.3
TOTAL DEPTH : 182.9
SECTION : W 80
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 40
NOS DOWN-H-SURVEYS: 3
NOS DOWN-H-LITHOLOGY: 46
NOS DOWN-H-STRUCTURE: 52
NOS DOWN-H-FAULTS: 3
NOS DOWN-H-SPLINES: 3
NOS COMPOSITES: 0

DDH: FAGU149 UTM-N: 905,143.1 UTM-E: 592,191.8 UTM-ELEV: 1,106.3 TOTAL DEPTH: 182.9 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: C

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS													
FROM	TO					S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %
.0	4.6	08220	4.6	2.6	4L14		.04	.64	.89	9.00									
4.6	6.4	08221	1.8	1.8	4L14	2.92	.03	1.46	.86	14.00	1.51		2	3					
6.4	9.7	08222	3.3	3.1	4A1	2.98	.04	1.04	1.74	14.00	1.58	1	3	4					
9.7	12.1	08223	2.4	2.4	4L14	3.02	.04	.77	1.35	12.00	.62	1	2	3					
12.1	13.0	08224	.9	.9	4A1	2.93	.01	.78	2.60	14.00	.27	1		1					
13.0	14.5	08225	1.5	1.5	4L14	2.93	.01	.73	1.94	13.00	.21	1	2	3					
14.5	16.1	08226	1.6	1.6	4L14	2.99	.05	1.68	5.10	31.00	.55	1	1	2					
16.1	18.3	08227	2.2	2.2	4A1	3.08	.03	.77	2.80	23.00	.82	1	7	8					
18.3	20.4	08228	2.1	2.1	4A14	3.06	.04	1.48	4.00	35.00	.89	1	6	8					
20.4	22.4	08229	2.0	1.8	4A14	3.20	.05	3.00	5.40	55.00	.89	2	5	7					
22.4	24.2	08230	1.8	1.7	4D4	3.28	.05	4.10	9.40	84.00	80.00	.96	1	9	11				
24.2	26.0	08231	1.8	1.7	4D4	3.23	.04	4.60	7.70	77.00	.89	2	7	9					
28.1	30.0	08233	1.9	1.5	4A0	3.58	.07	1.82	1.45	28.00									
30.0	31.7	08234	1.7	1.7	4A4	3.78	.06	6.90	12.70	126.00	1.85	1	16	17					
31.7	33.2	08235	1.5	1.5	4A4	3.25	.06	3.80	6.50	64.00	1.37	1	10	11					
38.1	41.2	08236	3.1	2.4	4A1	2.89	.05	1.61	2.50	28.00	.82	1	5	6					
97.4	100.0	90262	2.6	.0	4L72			.73	.68		14.10								
104.5	106.4	08237	1.9	1.7	4A4	3.20	.09	1.65	3.40	30.00	1.51	1	11	12					
106.4	108.0	08238	1.6	1.6	4G4	4.29	.29	5.60	8.70	115.00	2.61	1	17	18					
108.0	109.7	08239	1.7	1.7	4E46	4.45	.17	2.90	3.90	44.00	1.99	1	36	37					
109.7	111.3	08240	1.6	1.5	4E46	4.78	.16	2.90	3.30	40.00	38.00	1.71	1	8	9				
111.3	112.7	08241	1.4	1.3	4E06	4.49	.23	3.00	1.79	50.00	1.92	1	36	37					
121.0	122.0	08242	1.0	.9	4G4	4.47	.12	4.40	7.40	75.00	1.92	2	22	24					
123.0	124.1	08244	1.1	1.1	4E4	4.42	.14	2.80	3.20	43.00	1.51	2	34	36					
125.3	127.4	08246	2.1	2.0	4G0	4.25	.09	3.90	5.90	71.00	1.23	1	22	23					
127.4	129.5	08247	2.1	2.1	4G0	4.50	.13	3.20	5.60	60.00	1.71		25	26					
129.5	131.6	08248	2.1	2.1	4G4	4.56	.16	4.70	8.00	94.00	1.71		27	27					
131.6	133.8	08249	2.2	2.1	4A0	3.23	.15	1.56	2.70	32.00	1.03		11	11					
133.8	136.7	08250	2.9	2.6	4L12	3.05	.03	.43	.78	10.00	.55	1	5	6					
136.7	138.2	08251	1.5	1.5	4A0	3.28	.09	1.05	1.68	27.00	27.00	1.78		39	40				
138.2	139.5	08252	1.3	1.2	4G4	4.49	.18	6.30	11.60	124.00	2.26		19	19					
139.5	141.6	08253	2.1	2.0	4A0	3.29	.10	1.35	2.05	33.00	.89		15	16					
144.4	145.2	08254	.8	.8	4L4	2.90	.04	1.97	3.00	28.00	.48	1	2	3					
145.2	147.6	08255	2.4	2.4	4A3	3.17	.12	.35	.47	20.00	.75		14	15					
147.6	149.4	08256	1.8	1.7	4A4	3.45	.09	5.00	9.90	75.00	1.30	1	12	13					
149.4	150.9	08257	1.5	1.5	4C0	3.67	.33	1.24	3.30	30.00	1.65	2	16	19					
150.9	152.6	08258	1.7	1.7	4C0	3.61	.32	1.44	3.90	37.00	1.37	2	21	23					
152.6	154.2	08259	1.6	1.6	4A3	3.45	.26	.67	.90	25.00	1.37	1	12	14					
154.2	155.4	08260	1.2	1.2	4C0	3.71	.32	2.40	3.30	42.00	40.00	1.71	4	11	15				
160.4	181.6	08261	1.2	1.2	4G08		.15	4.40	4.80	63.00									
WEIGHTED AVERAGE																			
.0	26.0	26.0	23.4			2.51	.03	1.60	3.23	23.73	5.53	.75	1	3	4				

14 JUL 83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 43

DDH: FAGU149 UTM-N: 905,143.1 UTM-E: 592,191.8 UTM-ELEV: 1,106.3 TOTAL DEPTH: 182.9 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
106.700	174.000	198.000
152.400	173.000	193.000

DDH: FAGU149 UTM-N: 905,143.1 UTM-E: 592,191.8 UTM-ELEV: 1,106.3 TOTAL DEPTH: 122.9 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.4	0001	4L14		0.0	1
9.7	0002	4A14	PHYLITIC	0.0	1
12.1	0003	4L14		0.0	1
13.0	0004	4A1	PHYLITIC [4C5]	0.0	1
16.1	0005	4L14	[400 SERICITIC] (5D4)	0.0	1
22.4	0006	4A1	(4D4)	0.0	1
26.0	0007	4D4	SERICITIC (5D4)	0.0	1
28.1	0008	5A6	(5D4*)	0.0	1
33.2	0009	4A4	80 (4E46#) MINOR	0.0	1
38.1	0010	5B6	(5D4*)	0.0	1
41.2	0011	4A1		0.0	1
95.8	0012	5B96	(5D0?)	0.0	1
100.4	0013	4L72	(5B6)	0.0	1
104.5	0014	5D0	(5C4) (4DL4)	0.0	1
106.4	0015	4A4	PHYLITIC MOSTLY	0.0	1
108.0	0016	4G4	8# VARIABLY POROUS	0.0	1
112.7	0017	4E46#	80 BXA	0.0	1
114.0	0018	5A9		0.0	1
115.7	0019	4A3#		0.0	1
121.0	0020	5A9		0.0	1
122.0	0021	4G4		0.0	1
123.0	0022	5A9		0.0	1
124.1	0023	4E4	80 ->4E1 (4E46) MINOR	0.0	1
125.3	0024	5C4*		0.0	1
131.6	0025	4G4	80->4E4 86 (5D4*)MINOR	0.0	1
133.8	0026	4A0	[->4C5]	0.0	1
136.7	0027	4L12	84	0.0	1
138.2	0028	4A0	83 [->4C53]	0.0	1
139.5	0029	4G4		0.0	1
141.0	0030	4A0	81 83 84	0.0	1
144.4	0031	5D0	(4A3)	0.0	1
145.2	0032	4L4	81	0.0	1
147.6	0033	4A3	[->4C53]	0.0	1
149.4	0034	4A4	->4D45	0.0	1
152.6	0035	4C0	89 (4D4 BANDS) (4A0) (5D4)	0.0	1
154.2	0036	4A3		0.0	1
155.4	0037	4C0	87 88 89 (4D4)	0.0	1
159.0	0038	5A0	(4L0) MINOR	0.0	1
161.8	0039	5B6	(4L0)	0.0	1
164.3	0040	4L7	(4H0 81)	0.0	1
168.8	0041	5B6	MINOR GARNET	0.0	1
175.0	0042	5A0	(5B0)	0.0	1
178.8	0043	4L2	[5D4] IN PART?	0.0	1
180.4	0044	5A0	(5B0)	0.0	1
181.6	0045	4G08#		0.0	1
182.9	0046	5A9		0.0	1

DDH: FAGU149 UTM-N: 905,143.1 UTM-E: 592,191.8 UTM-ELEV: 1,106.3 TOTAL DEPTH: 182.9 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE	CDE	DHDC	SDC	PROCESS	
FAGU149	0.0	2.7	CS2		0	0	0	72	230	0	1	0	0
FAGU149	0.0	11.5	CS2		0	0	0	75	230	0	1	0	0
FAGU149	0.1	22.4	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	22.4	25.3	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	0.0	26.1	CS2		0	0	0	76	230	0	1	0	0
FAGU149	25.3	33.2	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	0.0	33.3	PS2		0	0	0	77	230	0	1	0	0
FAGU149	0.0	37.9	PS2		0	0	0	73	230	0	1	0	0
FAGU149	33.2	38.1	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	0.0	42.3	CS2		0	0	0	70	230	0	1	0	0
FAGU149	35.1	45.2	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	0.0	48.2	PS2		0	0	0	60	230	0	1	0	0
FAGU149	45.2	49.2	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	0.0	54.3	CS2		0	0	0	73	230	0	1	0	0
FAGU149	0.0	59.3	CS2		0	0	0	71	230	0	1	0	0
FAGU149	0.0	65.7	CS2		0	0	0	71	230	0	1	0	0
FAGU149	49.2	69.2	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	0.0	70.5			0	0	0	79	230	0	1	0	0
FAGU149	69.2	71.7	CS2	Z	0	0	0	0	0	0	1	0	0
FAGU149	0.0	73.7	CS2		0	0	0	81	230	0	1	0	0
FAGU149	71.7	79.5	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	0.0	79.9	PS2		0	0	0	76	230	0	1	0	0
FAGU149	79.5	82.3	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	0.0	83.9	CS2		0	0	0	78	230	0	1	0	0
FAGU149	82.3	86.2	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	86.2	87.4	CS2	Z	0	0	0	0	0	0	1	0	0
FAGU149	0.0	90.5	PS2		0	0	0	74	230	0	1	0	0
FAGU149	0.0	96.0	PS2		0	0	0	76	230	0	1	0	0
FAGU149	0.0	103.9	PS2		0	0	0	71	230	0	1	0	0
FAGU149	87.4	112.7	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	0.0	114.1	CS2		0	0	0	74	230	0	1	0	0
FAGU149	112.7	117.4	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	0.0	119.4	CS2		0	0	0	80	230	0	1	0	0
FAGU149	117.4	121.0	CS2	Z	0	0	0	0	0	0	1	0	0
FAGU149	121.0	122.0	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	0.0	122.8	CS2		0	0	0	74	230	0	1	0	0
FAGU149	122.0	123.0	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	0.0	124.5	PS2		0	0	0	66	230	0	1	0	0
FAGU149	0.0	142.4	PS2		0	0	0	71	230	0	1	0	0
FAGU149	123.0	155.4	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	0.0	155.8	CS2		0	0	0	67	230	0	1	0	0
FAGU149	0.0	160.0	CS2		0	0	0	65	230	0	1	0	0
FAGU149	0.0	167.9	CS2		0	0	0	68	230	0	1	0	0
FAGU149	0.0	173.1	CS2		0	0	0	75	230	0	1	0	0
FAGU149	155.4	173.7	CS2	S	0	0	0	0	0	0	1	0	0
FAGU149	173.7	175.0	CS2	Z	0	0	0	0	0	0	1	0	0
FAGU149	0.0	176.2	PS2		0	0	0	70	230	0	1	0	0
FAGU149	175.0	178.8	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	176.8	180.4	CS2	Z	0	0	0	0	0	0	1	0	0
FAGU149	180.4	181.6	PS2	P	0	0	0	0	0	0	1	0	0
FAGU149	0.0	182.4	CS2		0	0	0	66	230	0	1	0	0

14JUL83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 46

DDH: FAGU149 UTM-N: 905,143.1 UTM-E: 592,191.8 UTM-ELEV: 1,106.3 TOTAL DEPTH: 182.9 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SO	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU149	181.6	132.9	CS2	M		0	0	0	0	0	72	230	0		1	0	0	

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DOWN-HOLE FAULTS (DHO20)

DDH: FAGU149 UTM-N: 905,143.1 UTM-E: 592,191.8 UTM-ELEV: 1,106.3 TOTAL DEPTH: 182.9 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FAGU149	41.2	41.3	S				0	0	0	3	1
FAGU149	108.8	108.9	X?				0	0	0	3	1
FAGU149	0.0	126.3	D?				0	0	0	3	1

CYPRUS ANVIL MINING CORPORATION

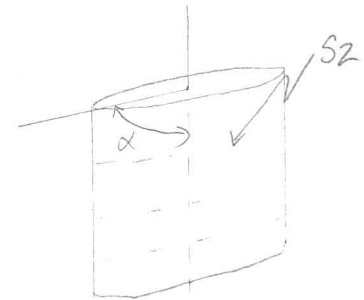
DIAMOND DRILL CORE LOG

Hole Number: 76-U149

Fabric Orientation Diagram:

Project: GRUM

Location: VANGORDA PLATEAU



Claim: _____

UTM.
Terr. Plane
Co-ords.: 6,905,143.08 N

592,191.76 E

Grid
Co-ords.: 80W/5N

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1106.32

Total Depth: 182.9 m.

Purpose: _____

^{RE}
Logged by: PN Date(s) Logged: July 7-9/80

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

BQ 0 EOH

Started: 18/8/76 Completed: 20/8/76

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	100	164	1	4L1	10% PbZn; locally partings are phyllitic
L	164	197	2	4A1	10% PbZn; with min calcareous fracture fillings, ^{ph}
L	197	121	3	4L1	as unit 1;
L	121	130	4	4A1	as unit 2. Definitely grey mica partings, more so than #2
L	130	161	5	4L1	4% PbZn; 5DO with calcareous-py-po fracture fillings 1981 check: 4L14 [4DO sericitic] (5DO)
L	161	224	6	4A1	5% PbZn over total length; 10% from 20.7-21.3 m; few ^{thin} bands of sericit; min mt blebs (?)
L	224	260	7	4DL	10% PbZn from 22.4-25.4 m; 4L6 from 25.4-26.0 m
L	260	281	8	5A1b	minor py fracture fillings & lumps; ^{thin} calcareous altered 5DO w/ manipsite scattered throughout Unit
L	281	332	9	4A4	10% PbZn; min calcite blebs; calcareous 4DL w/ orange-sph 31.1-31.8 m; 7 HE46* CC.
L	332	381	10	5B1b	min py, po blebs; few ankerite - qtz lenses, bleached 5DO 33.4-33.6 & at 33.7 m; min qtz veins;
L	381	412	11	4A1	2% PbZn
L	412	958	12	5B196	sheared 41.2-41.3 m; 2% PbZn 41.2-43.7 m; 4L6 44.1-44.5 m; generally non-calcareous; 5DO 46.8-46.9, 47.7-47.8 m, 48.2-48.3, 48.5-48.9, 49.2-49.4, 49.8-50.1, 54.6-54.9, 78.7-79.0, 79.1-79.3, 83.6-84.0, & 94.5-94.7 m; abundant po blebs w/ lesser py in. in graphite below 64.6 m; po-chl-rich 55.3-55.5 m, in. in bt. below 56.4 m; OQO 75.1-75.5, 77.7-78.3, 84.1-84.6 m;
L	958	1010	13	4L17	minor bands of 5B6 bet. 96.7-97.0 m; abundant po, py, lesser sph & gal (<1%); 5B92 w/ po, py blebs 97.4-97.9, 99.2-100.0 m; few qtz veins;
L	1010	1014	14	5D10	slightly calcareous; mottled; w/ manipsite. (5cmol) 100.4-100.7, 104.0-104.1 m; 4DL4 w/ 2% PbZn, min py, cpy from 100.7-101.0, 101.1-101.3 m, 104.2-104.4 m;
L	1014	1016	15	4A4	2% PbZn; 1981: 4A0, mostly phyllitic rather than graphite
L	1016	1018	16	4G4	10% PbZn, ^{pale} honey-colored sph; variably calcareous; porous 106.4-106.6, 106.7-107.1 m;
L	1018	1127	17	4E16	generally calcareous 4E46 <10% barite; 2% PbZn; noncalcareous below 12.3 m; brecciated 108.3-108.9 m; 4E46* spots of BaSO ₄ usually have some cc

same rock as #1 but a greater % of phyllitic partings

carbon + phyllitic partings are minor local 4DL 20.7-21.0 4DL sericit w/ minor 5D4 similar to #5

Lithologic Log

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
					min graphitic clasts; Bria healed by g/z + unident. black min
L	11127	11146	18	5A.9	min py, sph stringers & blebs; lesser sph (<1%); calcareous
L	11146	11157	19	4A.3	calcareous;
L	11157	11210	20	5A.9	w/ po & py layers;
L	11210	11220	21	4G.4	10% PbZn, honey-coloured sph;
L	11220	11230	22	5A.10	min py, lesser sph;
L	11230	11241	23	4E.4	4E0 ^{4E1} w/ minor graphite, 123.0-123.3 m; 4G.4 w/ honey-coloured sph 123.3-123.7 m (5% PbZn); 4E4 123.7-124.1 2% PbZn;
L	11241	11253	24	5D.0	somewhat mottled; chloritic from 124.1-125.1; 5C4* chlor 90% CO ₂ non-chloritic but w/ mariposite from 125.1-125.3 m;
L	11253	11316	25	4G.4	5D.0 ^{as#24} w/ abundant mariposite, 125.9-126.3, 127.0, 128.3, 129.7 m; 4E0 py breccia from 126.3-126.4 m; orange sph. 125.3-125.9 m; minor red sph at 126.4 m; honey-sph 126.4 m downward; minor mt blebs; bantz content varies throughout unit; 10% PbZn; \rightarrow ? I can't find any mgt 5m. \rightarrow ic (4E4±6)
L	11316	11338	26	4A.4	2% PbZn, minor cpy; carbon + phyllitic partings
L	11338	11367	27	4L.4	2% PbZn; w/ py, [4/12±4]
L	11367	11382	28	4A.3	1% PbZn; abundant py [4A0±3] carbon + phyll. partings
L	11382	11395	29	4G.4	10% PbZn; honey-coloured sph;
L	11395	11416	30	4A.3	4A4 from 139.5-140.0 m (10%); 4A3 140.0-141.6 m; carbon + phyllitic partings
L	11416	11444	31	5D.0	4L1 w/ py, minor sph, gal 141.6-142.0 m; at 143.0; 4A3 at 143.3 m; numerous g/z veins w/ calcite blebs; massive chlorite sections interbanded w/ ^{hand} calcite - chl sections
L	11444	11452	32	4L.4	2% PbZn; ±1
L	11452	11476	33	4A.3	negligible PbZn carbon + phyllitic partings
L	11476	11494	34	4A.4	5% PbZn; becoming 4D.5 toward fw.
L	11494	11526	35	4D.4	min cpy; 5D.6 149.7-149.9 m; 150.3-150.4; minor graphite bands at 150.8, 151.1 m; 2% PbZn in sporadic narrow bands throughout unit; [4C0(4D4 bands)(4A0)] ±9
L	11526	11542	36	4A.3	1% PbZn; abundant py
L	11542	11554	37	4L.2	abundant poj mt from 154.2-154.7 m; minor cpy, py blebs; 5% PbZn 155.0-155.4 m; [4C0±8±9(4D4)]
L	11554	11590	38	5A.10	minor py, gal, sph blebs & stringers; Q90 156.4-156.8 m; 4L0 158.6-158.7 m; variably calcareous;
L	11590	11618	39	5B.6	minor po, py blebs; 4L0 159.0-159.6 m; few thin g/z veins

Lithologic Log

Code	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
L	11618		11614		40		41		440 w/ minor gtz & sericite blebs 161.9-162.4m; minor sph, ap, py; chloritic 164-164.3m;
L	11643		11688		41		51B16		min py stringers & blebs; bt development; ^{pink} few small garnet grains; increase in graphite content from 167.4 to 168.8m;
L	11688		11750		42		51A10		min py, ps blebs assoc. w/ thin gtz bands; interbands of slightly calcareous SBO from 172.7- 173.3m; 173.8-175.0m; variably calcareous;
L	11750		11788		43		442		min py, sph blebs; more chloritic 177.9-178.8m;
L	11788		11804		44		51A10		very slightly calcareous; SBO 179-179.4, 179.8-180.0m;
L	11804		11816		45		464		5% PbZn; orange-coloured sph grading downwards into honey-coloured sph; calcareous; [4948]
L	11816		11829		46		51A19		py assoc. w/ ^{min} gtz bands & also occurs in fracture fillings w/ apy
			15014						

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20	22 24 26 28			32	34 38	
S			27		CSZ		72	230	
S			115		CSZ		75	2310	
S			224		FZS				R region massive sulph. 22.4-25.3m;
S			253		FZR				S sym. 25.3-33.2m;
S			261		CSZ		76	2310	
S			332		FZS				P region 33.2-38.1m;
S			333		PSZ		77	2310	
S			379		PSZ		73	2310	
S			381		FZP				S sym. 38.1-45.2m;
S			423		CSZ		70	2310	
S			452		FZS				P region w/ interbands of R 45.2-49.8m;
S			482		PSZ		60	2310	
S			492		FZP				S sym. 49.2-69.2m; S3 at 50.1m; minor D regions at 59.6, 60.5, 61.3 62.7m; minor Z sym. at 63.0, 63.9m;
S			543		CSZ		73	2310	
S			593		CSZ		71	2310	
S			657		CSZ		71	2310	
S			692		FZE				Z sym. 69.2-71.7m;
S			705				79	2310	
S			717		FZ3				S sym. 71.7-79.5m;
S			737		CSZ		811	2310	
S			795		FZS				P region 79.5-82.3m;
S			799		PSZ		76	2310	
S			823		FZP				S sym. 82.3-86.2m;
S			839		CSZ		78	2310	
S			862		FZE				Z sym. 86.2-87.4m;
S			874		FZE				P region 87.4-100.4m; minor S at 88.0, 89.7, 93.2m; Z sym at 92.1m; D at 92.4m;
S			905		PSZ		74	2310	
S			960		PSZ		76	2310	
S			1004		FZP				R region 100.4-112.7m; ^{2/3} massive sulphides.

22.4

DDH 76-11149
2 8Cyprus Anvil Mining Corp.
Geochemical Log (Sampler's Copy)Page 8 of 9
Logged By: PN
Sampled By: _____

Code	From		To		Sample No.	Description			
	10	14	16	20		22	27	LENGTH	REC.
P	100		104	106	4289	KA	4.6	2.1	4L1
P	104		107	109	4290	KA	3.0	2.6	4L1/4A1
P	107		110	111	4291	KA	3.1	2.9	4A1/4L1
P	110		114	115	4292	KA	3.3	3.3	4L1/4A1
P	114		116	118	4293	KA	2.8	2.5	4L1/4A1
P	116		118	121	4294	KA	1.5	1.5	4A1
P	118		119	121	4295	KA	1.5	1.3	4A1
P	119		121	123	4296	KA	1.5	1.2	4A1
P	121		122	124	4297	KA	1.6	1.4	4A1/4DL
P	122		124	125	4298	KA	1.5	1.3	4DL
P	124		125	129	4299	KA	1.5	1.2	4DL
P	128		130	135	4300	KA	2.5	2.4	4A4
P	130		133	140	4601	KA	2.5	2.4	4A4
P	138		140	140	4602	KA	1.9	1.7	4A1
P	147		150	150	4603	KA	2.6	2.6	4L7
P	150		151	154	4604	KA	1.9	1.5	4A4
P	151		151	158	4605	KA	1.8	1.6	4G4/4E6
P	151		151	159	4606	KA	1.5	1.5	4E6
P	151		151	161	4607	KA	1.4	1.4	4E6
P	151		151	168	4608	KA	1.5	1.5	4E6
P	152		152	160	4609	KA	1.2	1.0	4G4
P	152		152	160	4610	KA	1.0	1.0	4E4
P	152		152	168	4611	KA	2.7	2.5	4G4
P	152		152	169	4612	KA	1.5	1.4	4G4
P	152		153	166	4613	KA	2.1	2.0	4G4
P	153		153	164	4614	KA	2.5	2.1	4A4/4L4
P	153		153	167	4615	KA	3.1	2.6	4L4
P	153		153	167	4616	KA	1.5	1.5	4A3/4G4
P	153		154	162	4617	KA	1.5	1.5	4G4/4A3
P	154		154	167	4618	KA	1.5	1.5	4A3
P	154		154	163	4619	KA	1.9	1.9	4L4/4A3
P	154		154	168	4620	KA	1.5	1.5	4A3/4A4
P	154		154	169	4621	KA	1.6	1.6	4A4
P	154		155	169	4622	KA	1.5	1.5	4D4
P	155		155	174	4623	KA	1.5	1.5	4D4
P	155		155	179	4624	KA	1.5	1.5	4D4/4A3

section 80W

Logged in 1980

checked for sampling 1981

DDH FAGU 149 Cyprus Anvil Mining Corp

Page _____ of _____

Logged by PN, Checked JSM

ASSAY LOG (SAMPLER'S COPY)

Date _____

Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION			
	10	14	16	20						22	26	28
P	100		146		8220	146	126	4L11	#1			
P	146		164		8221	148	118	4L11	#1			
P	164		197		8222	133	131	4A11	#2			
P	197		1121		8223	124	124	4A11	#3			
P	1121		1130		8224	109	109	4A11	#4			
P	1130		1145		8225	115	115	4L11H [4D0 sericitic] (5D0)	#5			
P	1145		1161		8226	116	116	4L11	#5			
P	1161		1183		8227	122	122	4A11	#6			
P	1183		1204		8228	121	121	4A11	#6			
P	1204		1224		8229	120	118	4A11 (4D4)	#6			
P	1224		1242		8230	118	117	4D4 sericitic (5D4)	#7			
P	1242		1260		8231	118	117	4D4 sericitic (5D4)	#7			
	1260		1281			121	121	5A16 No sample record as 0%	#8			
P	1281		1300		8233	119	118	4A4	#9			
P	1300		1317		8234	117	117	4A4 (4E4*cc)	#9			
P	1317		1332		8235	115	115	4A4	#9			
P	1381		1412		8236	131	124	4A11	#11			
P	11045		11064		8237	119	117	4A10	#15			
P	11064		11080		8238	116	116	4E4 (4E4*cc porous)	#16			
P	11080		11097		8239	117	117	4E4*	#17			
P	11097		11113		8240	116	115	4E4*	#17			
P	11113		11127		8241	114	113	4E4*	#17			
P	11210		11220		8242	110	109	4G4	21			
	11220		11230			110	110	5A16 No sample record as 0%	#22			
P	11230		11241		8244	111	111	4E4 (4E1)(4E4)	#23			
	11241		11253			112	112	5C14* No sample record as 0%	#24			
P	11253		11274		8246	121	120	4G4 (4E4)	#25			
P	11274		11295		8247	121	121	4G4 (4E4)	#25			
P	11295		11316		8248	121	121	4G4 (4E4)	#25			
P	11316		11338		8249	122	121	4A4	#26			
P	11338		11367		8250	129	126	4L112 ±4	#27			
P	11367		11382		8251	115	115	4A10 ±3	#28			
P	11382		11395		8252	113	112	4G4	#29			

meters

#1

No sample

#2

#3

#4

ASSAY LOG (SAMPLER'S COPY) Date 7/31/81

CODE	FROM		TO		SAMPLE				INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	42		
P	11395		11416		8253			21		20		4A10		±1 ±3 ±4	#30
P	11444		11452		8254			08		08		4A44		±1	#32
P	11452		11476		8255			24		24		4A31			#33
P	11476		11494		8256			18		17		4A41	(4D45)		#34
P	11494		11509		8257			15		15		4C10	±9 (4D4)(4A0)		#35
P	11509		11526		8258			17		17		4C10	±9 (4D4)(4A0)		#35
P	11526		11542		8259			16		16		4A31			#36
P	11542		11554		8260			12		12		4C10	±8 ±9 (4D4)		#37
P	11804		11816		8261			12		12		4G48			#45

#5 {
 #6 {

DDH FAGU 149
 ² meters ⁸

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Core Code	From				To				Feature	E N	S ₀		S ₁		S ₂		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct		
F F F		112		113	S												sheared - broken??	
		1088		1089	X?												byia	
				1263	D?													

DIAMOND DRILL RECORD

 LOGGED BY ALEXANDER YOUNG-PO

 D.D.H. No 76-U-149 PAGE 1

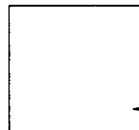
 PROPERTY GRUM JOINT VENTURE

 LATITUDE 10,939.533 80W STARTED AUGUST 18, 1976

 DEPARTURE 7,502.629 80 X-CUT
5N + 6m COMPLETED AUGUST 20, 1976

 ELEVATION 1,116.928 PROPOSED DEPTH 600' - 182.9m
 ULTIMATE DEPTH - 182.9m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	0	-90°
106.6m	197	-84°
152.4m	192	-83°



CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 93%

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
0	25.9	QUARTZ-SERICITE SULFIDE (P). Competent. Foliation = 5 2	2.1	4289	0	4.6	4.6	0.73	0.85	9.94				3.36	3.91	45.72
		80-85°; F = 0-5°. Sulfide more in F and less than 5 2	2.6	4290	4.6	7.6	3.0	1.83	1.13	19.20				5.49	3.39	57.6
		1 in the F with the ratio of 3:1. Short interval of 2 5 2	2.9	4291	7.6	10.7	3.1	0.58	0.78	7.20				1.80	2.42	22.32
		1 calcitic-chloritic phyllite. 10 4	3.3	4292	10.7	14.0	3.3	1.13	2.10	16.11				3.73	6.93	53.16
		13.6-14.0: Calcitic-chloritic phyllite (SC+K). Com- 10 8	2.5	4293	14.0	16.8	2.8	1.68	4.38	30.17				4.70	12.26	84.48
		petent. Green groundmass with white 10 7	1.5	4294	16.8	18.3	1.5	0.73	2.55	20.23				1.1	3.83	30.35
		stripes. Foliation = 85-90°. No clear F noted. 1st 10 8	1.3	4295	18.3	19.8	1.5	1.78	4.20	35.31				2.67	6.30	52.97
		1 contact = 85°; 2nd contact = 90°, but not sudden and 15 6	1.2	4296	19.8	21.3	1.5	2.90	6.15	48.34				4.35	9.23	72.51
		sharp, more like inter-lamination with gradual de- 10 5	1.4	4297	21.3	22.9	1.6	2.60	4.35	44.23				4.16	6.96	70.77
		crease in the calcitic-chloritic unit. 15 10	1.3	4298	22.9	24.4	1.5	5.11	9.54	97.72				7.67	14.31	146.58
		25.3-25.9: Bleached sericite phyllite. Silvery white 10 8	1.2	4299	24.4	25.9	1.5	3.70	6.60	58.63				5.55	9.90	87.95
		colour. Foliation = 85°. First contact sharp = 80°; 2 Tr. 2.0			25.9	28.0	2.1									
		Second contact broken ground. 20 8	2.4	4300	28.0	30.5	2.5	1.93	2.20	31.20				0.97	1.10	15.60
		25.9: Rock changed to Mineralized Graphitic phyllite 30 12	2.4	4601	30.5	33.0	2.5	5.49	9.95	90.86				13.73	24.13	227.15
		(PG).		W.Av.	14.0	19.8	5.8	1.46	3.86	28.9				8.47	22.39	167.80
25.9	33.0	MINERALIZED GRAPHITIC PHYLLITE (PG). Short blocky core ave:		W.Av.	19.8	22.9	3.1	2.75	5.22	46.22				8.51	16.19	143.28
		3cm. long. Foliation = 80-85°; F = 0-5°.		W.Av.	22.9	25.9	3.0	4.41	8.07	78.18				13.22	24.21	234.53
				W.Av.	19.8	25.9	6.1	3.56	6.62	61.94				21.73	40.40	377.81

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
97.4	100.0	MINERALIZED GRAPHITIC PHYLLITE (SG). Competent.	7 4	2.6	4603	97.4	100.0	2.6	0.73	0.68	14.06					
		F = 85-90°; F = 0-5°. Prominent Po blebs = 5%.	5 1	4.3		100.0	104.5	4.5	0.5	8Z, est,						
		² 100.0: Sharp change to bleached phyllite (Sb) = 85°.	¹ 30 8	1.5	4604	104.5	106.4	1.9	2.05	3.60	30.17			3.90	6.84	57.32
			75 12	1.6	4605	106.4	108.2	1.8	6.57	8.48	107.0			11.83	15.26	192.55
			75 6	1.5	4606	108.2	109.7	1.5	2.23	2.75	34.29			3.35	4.13	51.44
100.0	104.4	BLEACHED PHYLLITE (Sb). Competent. With chloritic	75 6	1.4	4607	109.7	111.3	1.4	2.90	3.20	40.46			4.06	4.48	56.64
		intervals. White groundmass with spot fuchsite.	75 5	1.5	4608	111.3	112.8	1.5	2.65	1.55	48.34			3.98	2.33	72.51
		Foliation = 80-85°; F = 5-10°.	5 1	7.5		112.8	121.0	8.2	(1 PZ @ 114.3-115.8m)							
		¹ 102.1-104: Chloritic interval. Rx has light gray	75 8	1.0	4609	121.0	122.0	1.2	4.80	7.40	70.63					
		felsic groundmass and green stripe.	2	1.0		122.0	123.0	1.0		NIL						
		Foliation = 80-85°; F = 0-5°.	75 8	1.0	4610	123.0	124.0	1.0	3.78	3.40	50.40					
		¹ 104-104.4: Decrease in chlorite and increase in	1	1.2		124.0	125.3	1.3		NIL						
		bleached sericite.	60 6	2.5	4611	125.3	128.0	2.7	4.30	5.50	64.46			11.61	14.85	174.04
		104.4: Sharp contact with Mineralized Graphitic	75 8	1.4	4612	128.0	129.5	1.5	3.18	4.85	47.31			4.77	7.28	70.97
		phyllite (PG) = 80°.	60 7	2.0	4613	129.5	131.6	2.1	5.20	8.17	79.54			10.92	17.16	167.03
			30 6	2.1	4614	131.6	134.1	2.5	1.45	2.03	25.37					
104.4	106.4	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent.	25 4	2.6	4615	134.1	137.2	3.1	0.63	1.00	9.94					
		Foliation F = 75-80°; F = 0-10°. Sulfide mostly	50 6	1.5	4616	137.2	138.7	1.5	2.28	4.00	43.54			3.42	6.00	65.31
		² following F ¹ rather than F with 3:1 ratio.	50 8	1.5	4617	138.7	140.2	1.5	4.93	8.89	82.63			7.40	13.34	123.95
		² ¹	20 3	1.5	4618	140.2	141.7	1.5	0.38	0.20	19.20					
					W.Av.	104.5	108.2	3.7	4.25	5.97	67.5			15.73	22.16	249.87
		106.4: Gradual increase in Massive sulfide with porous			W.Av.	105.2	108.2	3.0	4.76	6.53	76.3			14.29	19.58	228.75
		and banded variety (MV+MB).			W.Av.	108.2	112.8	4.4	2.59	2.49	41.04			11.39	10.94	180.59

Interval		DESCRIPTION	Recovery	Sample N ^o	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
131.6	141.7	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. F = 80-85° F = 10-15°. With intervals of Mineralized Bleached Phyllite (P-Sb) and barite in groundmass (Pb). 134.8-136.7: Mineralized bleached phyllite (P-Sb). Com- petnet. Buff with sulfide laminae = 70°. 138-139: Barite in groundmass. Ba: =30%. NOTE: In P-Sb and Pb run, both cases have grada- tional contacts. 141.7: Gradual change to Calcitic-chloritic phyllite (CK). Transition zone = 5cm. marked by Bleached Sericite and bull quartz.													
141.7	144.4	CALCITIC CHLORITIC PHYLLITE (CK). Competent. White with green stripes (wide), 2cm. Calcite in groundmass both in F & F. Chlorite mostly F. Chlorite: =45%; Calcite: 40%; Quartz: 10%; Sulfides and other felsics: 5%. F = 80-85°; F = 0-10°	2.6		141.7	144.4	2.7								
144.4	145.1	MINERALIZED BLEACHED PHYLLITE (P-Sb). Competent. 20 6 F = 85-90°; F = 0-5°. Bleached sericite laminae 35 5 alternating with sulfides and quartz. Sulfides: 15% Quartz: 60% 60 10 Both contacts - gradational the second one with 70 8	1.9 1.5 1.6 1.5	4619 4620 4621 4622	144.4 146.3 147.8 149.4	146.3 147.8 149.4 150.9	1.9 1.5 1.6 1.5	1.28 0.53 5.71 1.60	1.45 0.93 9.55 3.20	22.29 17.14 79.54 30.17					
												9.14	15.28	127.26	
												2.40	4.80	45.26	

Interval		DESCRIPTION	Recovery	Sample N ^o	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		mineralized graphitic phyllite (PG). 60 8	1.5	4623	150.9	152.4	1.5	1.58	3.50	28.46			2.37	5.25	42.69
		60 7	1.5	4624	152.4	153.9	1.5	1.33	1.73	30.17			2.00	2.60	45.26
145.1	155.4	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. 45 6	1.3	4625	153.9	155.4	1.5	2.03	2.60	36.34			3.05	3.90	54.51
		Regular interlamination of sulfides, felsics and graphite:													
		Graph: 30%, Felsics: 20%. F = 85-90°; F = 0-3°.		W.Av.	147.8	150.9	3.1	3.72	6.48	55.65			11.54	20.08	172.52
		149-150.9: Wider bands of sulfides with compositional banding = 80-85°. Appear almost like Massive sulfides except for some quartz and Bleached sericite constituents as thin laminae/intervals (=10cm.).		W.Av.	149.4	155.4	6.0	1.64	2.76	31.29			9.82	16.55	187.72
		155.4: Sharp contacts with Graphitic Phyllite (G) = 80°.													
155.4	157.0	GRAPHITIC PHYLLITE (G). Very fissile, breaks easily into poker chips. F = 75-80°; F = 0-10°.	1.3		155.4	157.0	1.6								
		157.0: Gradual change to Sericite phyllite (S).													
157.0	168.8	SERICITE PHYLLITE (S). Competent. F = 75-80°; F not clearly developed.	11.1		157.0	168.8	11.8								
		159-159.5: Bleached phyllite (Sb). Buff. F = 70°; F = 0° Gradational contacts.													
		161.9-162.4: Po band. Massive structureless. With blebs of Py & Zns. PY: 4, Po: 95, ZnS: 1%			(161.9	162.4)		= 1%	PZ, est						

DDH: FAGU149 -- 42 DEGREE PROFILE

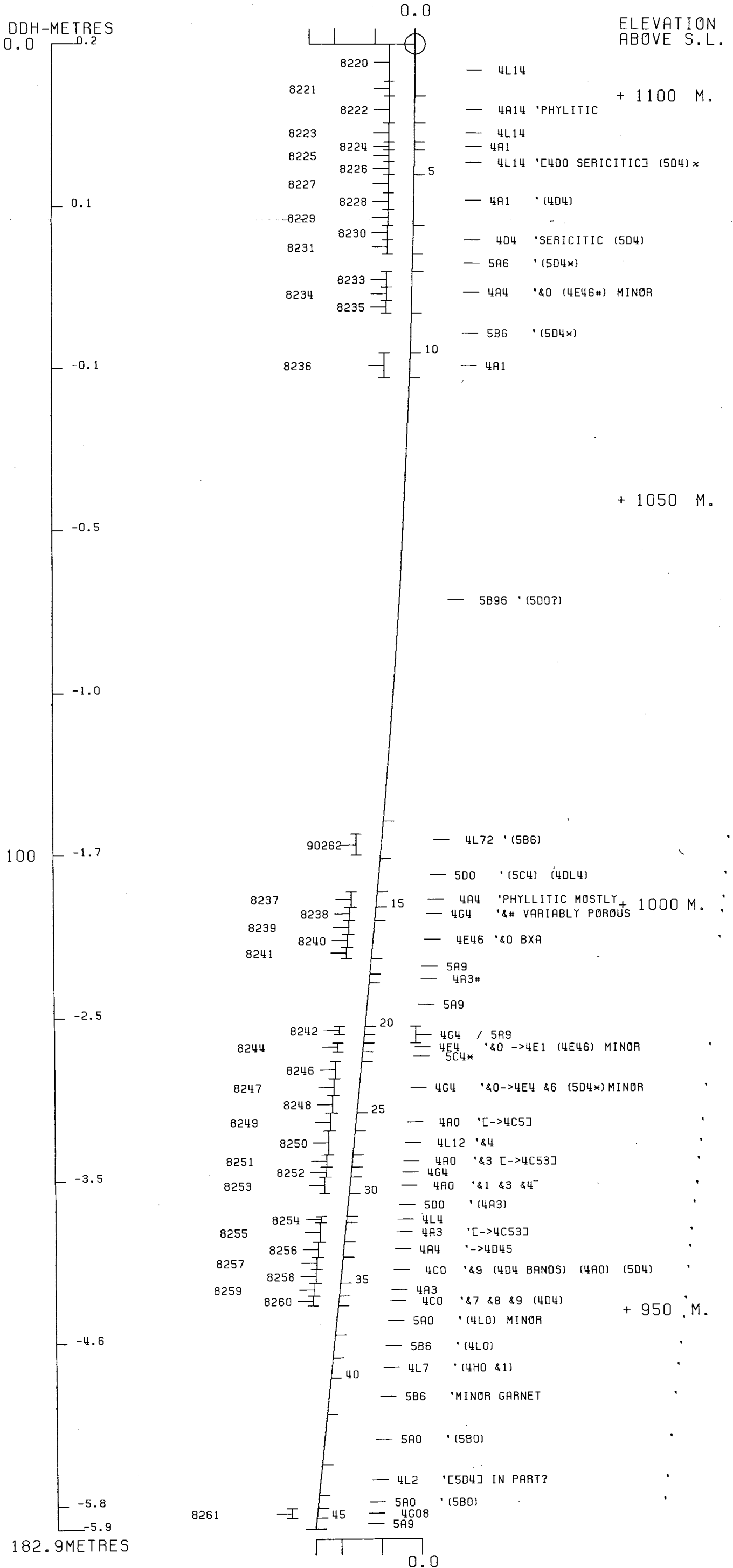
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1106 592192E ; 905143N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 534.8 Z = 1106.3

SECTION NAME: 80W



DDH: FAGU149 -- 42 DEGREE PROFILE

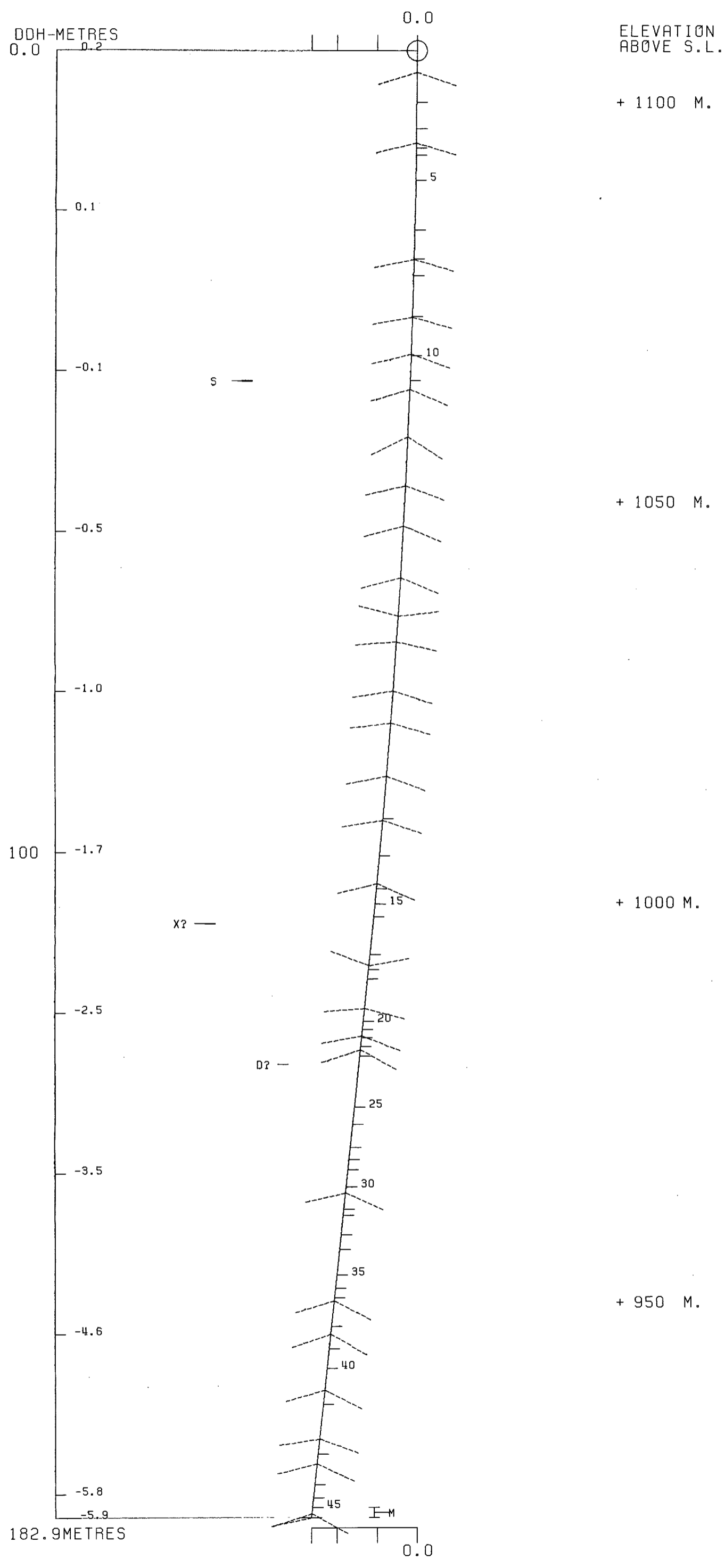
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1106 592192E ; 905143N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 534.8 Z = 1106.3

SECTION NAME: 80W



76 U 150

DRILL HOLE : FAGU150
NORTHING : 905,082.4
EASTING : 592,136.0
ELEVATION : 1,105.0
TOTAL DEPTH : 152.4
SECTION : W 80
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 24
NOS DOWN-H-SURVEYS: 3
NOS DOWN-H-LITHOLOGY: 37
NOS DOWN-H-STRUCTURE: 42
NOS DOWN-H-FAULTS: 4
NOS DOWN-H-SPLINES: 3
NOS COMPOSITES: 0

ORE SAMPLES & ASSAYS (DHC20)

14JUL83 GRUM

DDH: FAGU150 UTM-N: 9C5,052.4 UTM-E: 592,136.0 UTM-ELEV: 1,105.0 TOTAL DEPTH: 152.4 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS													S.G. W.R.
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 %	
.0	2.1	07847	2.1	1.2	4A4	3.23	.06	5.50	8.17	73.00		1.37	1	6	7					
2.1	4.1	07848	2.0	2.0	4A4	2.99	.04	2.40	3.66	36.00		.82		5	5					
4.1	6.1	07849	2.0	2.0	4A0	3.17	.05	1.57	.69	24.00		1.30		11	11					
6.1	7.3	07850	1.7	1.7	4A0		.06	1.41	.38	30.00										
7.8	9.8	08201	2.0	2.0	4A0		.08	.57	.31	20.00										
9.8	11.8	08202	2.0	2.0	4A0		.14	.54	.28	20.00										
11.8	12.1	08203	.3	.3	504		.02	.19	.28	13.00										
12.1	14.7	08204	2.6	2.6	4A0	2.99	.05	.43	.86	17.00		.55	2	6	9					
14.7	16.1	08205	1.4	1.4	4A0	3.12	.10	1.46	2.50	31.00		1.03		9	10					
16.1	17.6	08206	1.5	1.5	4A0	3.17	.08	.82	1.29	24.00		1.44		11	12					
17.6	17.9	08207	.3	.3	4C0	2.99	.04	.56	.72	18.00		1.71		7	8					
17.9	19.3	08208	1.9	1.9	4A+	2.98	.03	2.77	3.10	39.00		.75		4	5					
19.3	22.2	08209	2.4	2.4	4A0	3.17	.05	1.70	3.00	33.00		.82	1	9	10					
22.2	24.4	08210	2.2	2.2	4A0	3.16	.09	1.19	2.20	28.00	24.00	1.58		24	25					
24.4	26.1	08211	1.7	1.7	4A4	3.52	.08	4.82	7.00	70.00		1.30	1	14	15					
26.1	27.1	08212	1.0	.9	4CE0	4.01	.30	.84	.61	36.00		2.33		26	27					
27.1	28.8	08213	1.7	1.7	4E4	4.66	.26	4.51	4.90	80.00		2.40	1	18	20					
28.8	31.5	08214	2.7	2.7	4E4	4.64	.07	4.61	10.40	90.00		1.30	2	12	15					
47.8	49.5	08215	1.7	1.5	4G0		.02	2.26	4.80	41.00										
92.5	94.5	90263	2.0	.0	4A0			1.53	2.78		23.30									
137.5	138.7	08216	1.2	1.2	4EG4	4.34	.12	6.04	9.30	103.00		1.92	1	22	23					
138.7	139.6	08217	.9	.9	4D4	3.90	.04	10.30	20.70	165.00		2.06	2	8	10					
139.6	140.2	08218	.6	.3	4D46	3.86	.05	3.70	7.20	52.00		1.17	1	15	16					
140.2	141.6	08219	1.4	1.4	4E46	4.57	.07	2.20	6.30	37.00		1.51	1	28	29					
WEIGHTED AVERAGE																				
.0	31.5		31.5	30.5		2.77	.08	2.21	3.25	40.82		1.67		9	10					
47.8	49.5		1.7	1.5			.02	2.26	4.80	41.00										
92.5	94.5		2.0	.0				1.53	2.78		23.30									
137.5	141.6		4.1	3.8		4.25	.07	5.32	10.47	86.60		1.70	1	20	21					

14 JUL 83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 3

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

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

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

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
11.8	0001	4A0	84 [->4C5]	0.0	1
12.1	0002	5D4	->5D4B	0.0	1
17.6	0003	4A0	->4C5	0.0	1
17.9	0004	4C0	SERICITIC	0.0	1
26.1	0005	4A0	84 [->4C5]	0.0	1
27.1	0006	4C0	->4E1, 4C5 AT TOP	0.0	1
28.6	0007	4E4		0.0	1
29.0	0008	5C4*		0.0	1
31.5	0009	4E4	POROUS (4G4)	0.0	1
47.8	0010	3G9	838\$ (5A 838\$)	0.0	1
49.5	0011	4G0		0.0	1
55.2	0012	3G9	838\$ (5A 838\$)	0.0	1
55.6	0013	4L0		0.0	1
64.2	0014	3G9	838\$ (5A 838\$)	0.0	1
65.3	0015	4L0		0.0	1
74.1	0016	5B0	(5D0) MINOR	0.0	1
75.0	0017	5D0		0.0	1
75.3	0018	5B0		0.0	1
78.5	0019	5B23		0.0	1
92.9	0020	5B0	(5B20)	0.0	1
94.5	0021	4A0		0.0	1
115.0	0022	5B0	(5B\$)	0.0	1
116.3	0023	4A0		0.0	1
120.5	0024	5B0	(4A0) (5D4*)MINOR	0.0	1
121.5	0025	4A0		0.0	1
121.9	0026	5D4*	83	0.0	1
121.1	0027	5B0		0.0	1
137.5	0028	5B*6	(3G0 89)	0.0	1
138.7	0029	4E4	(4G0)(10Q0) 45:45:10	0.0	1
139.6	0030	4D4	BXA [4J1]	0.0	1
140.2	0031	4D46	[4G41]	0.0	1
141.6	0032	4E46		0.0	1
143.2	0033	5B6	[3G0]	0.0	1
143.9	0034	4L0		0.0	1
145.7	0035	5B62	[3G9]	0.0	1
150.2	0036	5D0		0.0	1
152.4	0037	5B20	VANGORJA	0.0	1

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

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU150	0.0	2.5	CS2		0	0	0	0	75	230	C		1	0	0
FAGU150	0.0	7.6	CS2		0	0	0	0	64	230	C		1	0	0
FAGU150	0.0	12.1	CS2		0	0	0	0	65	230	C		1	0	0
FAGU150	0.0	16.3	CS2		0	0	0	0	75	230	C		1	0	0
FAGU150	0.0	22.7	CS2		0	0	0	0	70	230	C		1	0	0
FAGU150	0.1	26.1	CS2	M	0	0	0	0	65	230	C		1	0	0
FAGU150	0.0	28.9	PS2		0	0	0	0	59	230	C		1	0	0
FAGU150	26.1	31.5	PS2	P	0	0	0	0	0	0	C		1	0	0
FAGU150	0.0	35.2	CS2		0	0	0	0	64	230	C		1	0	0
FAGU150	0.0	39.6	CS2		0	0	0	0	71	230	C		1	0	0
FAGU150	0.0	45.8	CS2		0	0	0	0	74	230	C		1	0	0
FAGU150	31.5	47.8	CS2	Z	0	0	0	0	0	0	C		1	0	0
FAGU150	47.5	49.5	PS2	P	0	0	0	0	62	230	C		1	0	0
FAGU150	49.5	50.6	CS2	S	0	0	0	0	0	0	C		1	0	0
FAGU150	0.0	54.9	CS2		0	0	0	0	56	230	C		1	0	0
FAGU150	0.0	59.4	CS2		0	0	0	0	66	230	C		1	0	0
FAGU150	0.0	65.5	CS2		0	0	0	0	43	230	C		1	0	0
FAGU150	50.6	68.2	CS2	Z	0	0	0	0	0	0	C		1	0	0
FAGU150	68.2	70.4	CS2	S	0	0	0	0	66	230	C		1	0	0
FAGU150	0.0	74.7	CS2		0	0	0	0	67	230	C		1	0	0
FAGU150	70.4	77.5	CS2	Z	0	0	0	0	0	0	C		1	0	0
FAGU150	0.0	80.8	PS2		0	0	0	0	58	230	C		1	0	0
FAGU150	0.0	85.3	PS2		0	0	0	0	69	230	C		1	0	0
FAGU150	77.5	88.4	PS2	P	0	0	0	0	0	0	C		1	0	0
FAGU150	0.0	89.9	CS2		0	0	0	0	74	230	C		1	0	0
FAGU150	0.0	94.5	CS2		0	0	0	0	73	230	C		1	0	0
FAGU150	0.0	99.1	CS2		0	0	0	0	82	230	C		1	0	0
FAGU150	88.4	102.9	CS2	Z	0	0	0	0	0	0	C		1	0	0
FAGU150	102.9	105.4	CS2	S	0	0	0	0	77	230	C		1	0	0
FAGU150	0.0	109.7	CS2		0	0	0	0	73	230	C		1	0	0
FAGU150	105.4	115.5	CS2	Z	0	0	0	0	79	230	C		1	0	0
FAGU150	0.0	120.4	CS2		0	0	0	0	75	230	C		1	0	0
FAGU150	115.5	124.5	CS2	S	0	0	0	0	85	230	C		1	0	0
FAGU150	124.5	128.0	CS2	D	0	0	0	0	0	0	C		1	0	0
FAGU150	0.0	129.5	PS2		0	0	0	0	75	230	C		1	0	0
FAGU150	0.0	135.6	PS2		0	0	0	0	77	230	C		1	0	0
FAGU150	128.0	137.5	PS2	P	0	0	0	0	0	0	C		1	0	0
FAGU150	0.0	140.5	PS2		0	0	0	0	44	230	C		1	0	0
FAGU150	0.0	144.8	PS2		0	0	0	0	73	230	C		1	0	0
FAGU150	137.5	148.8	PS2	P	0	0	0	0	0	0	C		1	0	0
FAGU150	0.0	150.6	CS2		0	0	0	0	81	230	C		1	0	0
FAGU150	148.8	152.4	CS2	Z	0	0	0	0	0	0	C		1	0	0

14 JUL 83 GRUM

DOWN-HOLE FAULTS (DHD20)

PAGE: 6

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

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

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U150

Project: GRUM RE-LOG

Location: VANGORDA PLAT.

Claim: _____

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

592,136.0 E

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

Elevation: 1105.0

Total Depth: 152.4 m.

Purpose: _____

Re-Logged by: DJH.

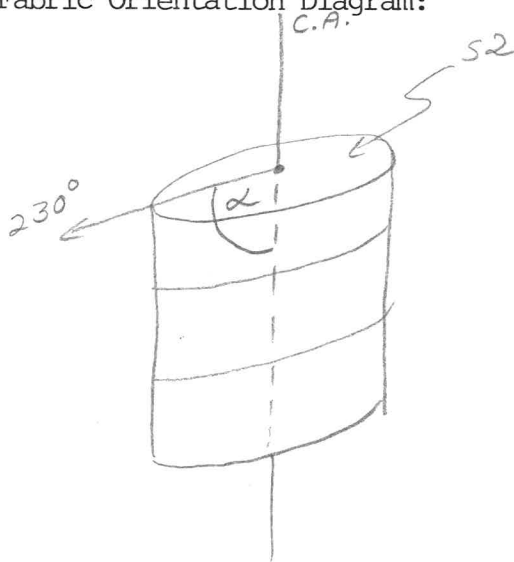
Date(s) Logged: _____

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

BQ 0 152.4

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

Fabric Orientation Diagram:



All symmetry determinations looking

NW with 52 dipping

SW with dip azimuth 230°.

Lithologic Log

Logged By: DTH

Code	From		To		Unit		Code	Description
	m		m					
1	10	14	16	20	22	23	25	27
	10	10	11	11	8	11	4A10	weakly graphitic → grey muscovitic
	11	11	12	12	1	12	4L10	w/ minor mariposite; → 5D43 (Fe, Mg CO ₃)
	12	12	17	17	6	13	4A10	as unit 1; → 4C5 locally
	17	17	17	17	9	14	4C10	white "cherty" Qtz. sericitic
	17	17	26	26	1	15	4A10	as units 1 & 3
	26	26	27	27	1	16	4C10	~70% sdes (mainly py) ^{grading to 4E1} 4C5 @ TOI
	27	27	28	28	8	17	4E4	reddish sph.
	28	28	29	29	0	18	4L10	w/ minor mariposite
	29	29	31	31	5	19	4E4	w/ some 4G4 locally; ^(4E4 porous) minor bxia @ lower ct. w/ graphitic matrix.
	31	31	47	47	8	10	5A10	→ 5B26 locally
	47	47	49	49	5	11	4G4	honey sp
	49	49	55	55	2	12	5A11	→ 5A0 locally
	55	55	56	56	6	13	4L10	sharp cts
	56	56	64	64	2	14	5A10	→ 5B2 along int.
	64	64	65	65	3	15	4L10	
	65	65	74	74	1	16	5B10	w/ minor 5D3
	74	74	75	75	0	17	5D13	
	75	75	76	76	8	18	5B10	
	76	76	78	78	5	19	5A13	
	78	78	92	92	9	20	5B10	± biotite rich zones; 10 cms 5D3 @ lower ct. 91.4-92.9 = 5B20
	92	92	95	95	2	21	4A10	
	95	95	115	115	0	22	5B10	
	115	115	116	116	3	23	4A10	fold nose of 4L w/ mariposite @ 115.5
	116	116	120	120	5	24	5B10	w/ minor 4A0 & 4L0 (w/ minor mariposite)
	120	120	121	121	5	25	4A10	
	121	121	121	121	9	26	5D4	→ 5D43
	121	121	131	131	1	27	5B10	
	131	131	137	137	5	28	5B16	360? 5A*det. 131.1-134.1; 360 134.1-; 369 -137.5
	137	137	138	138	7	29	4E6	50:50 4E0:4G0 w/ 10% OQO
	138	138	139	139	6	30	4D4	qtzite bxia. w/ mass sph. infillings. ^{high grade to 2 spha}
	139	139	140	140	2	31	4D10	minor bxia. honey sp + some barite [4D4 or 4G4]
	140	140	141	141	6	32	4E4	reddish sph. rich lams orange-honey [4E46]
	141	141	145	145	2	33	5B16	360?
	145	145	145	145	9	34	4L10	
	145	145	148	148	7	35	5B12	→ 5B26 or 369

201 9 July 82

369±3% (5A±3%)

369±3% (5A±3%)

369±3% (5A±3%)

4L0

5B0

5D0

5B0

5B23

5B0 (5B20)

4A0

5B0

5B*det (360±9)

5B0

4L0

5B2 [369]

15/5.0m FAULT

448' 448'

high grade to 2 spha

[4E46]

Code	From		To		Unit		Code	Description
	10	14	16	20	22	23	25	
5D0	148	7	150	2	36		5D13	
5B20	150	2	152	4	37		5B12 → 5B23 ✓	
<u>EOU</u>			150H					

Daryl's log good!

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20	22 24 26 28			32	34 38	
S			125	CIS2			75	2310	M region 0.0 - 26.1 m.
S			176	CIS2			64	2310	
S			1121	CIS2			65	2310	
S			1168	CIS2			75	2310	
S			1227	CIS2			70	2310	
S			1261	FRM			65	2310	R region 26.1 - 31.5
S			1289	PS2			59	2310	
S			1315	FRZ					Z region 31.5 - 47.8
S			1352	CIS2			64	2310	
S			1396	CIS2			71	2310	
S			1458	CIS2			79	2310	
S			1478	FRZ					R region 47.8 - 49.5
S			1495	FRZ			62	2310	S region 49.5 - 50.6
S			1506	FRZ					Z region 50.6 - 68.2
S			1579	CIS2			56	2310	
S			1594	CIS2			66	2310	
S			1655	CIS2			43	2310	
S			1682	FR3					S region 68.2 - 70.4
S			1704	FR2			66	2310	Z region 70.4 - 77.5
S			1747	CIS2			67	2310	
S			1775	FRZ					PS2 region 77.5 - 88.4
S			1808	PS2			58	2310	
S			1853	PS2			69	2310	
S			1884	FRP					Z region 88.4 - 102.9
S			1899	CIS2			74	2310	
S			1945	CIS2			73	2310	
S			1991	CIS2			82	2310	
S			11029	FR3					S region 102.9 - 105.4
S			11054	FRZ			77	2310	Z region 105.4 - 115.5
S			11097	CIS2			78	2310	
S			11155	FR3			79	2310	S region 115.5 - 124.5
S			11204	CIS2			75	2310	
S			11245	FRS			85	2310	D.D. region 124.5 - 128.0
S			11280	FRD					PS2 w/minor 285 128.0 - 137.5
S			11295	PS2			75	2310	
S			11356	PS2			77	2310	

80W

Logged in 1980; Checked for sampling 1981

DDH FAGU 150 Cyprus Anvil Mining Corp

Page _____ of _____

Logged by DJH, checked by JSM

ASSAY LOG (SAMPLER'S COPY)

Date _____

Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.	REC (m)		UNIT	DESCRIPTION		
	10	14	16	20			22	26			28	30
P		100		121	7847	21		12	4A10	#1		
P		121		141	7848	20		20	4A10	#1		
P		141		161	7849	20		20	4A10	#1		
P		161		178	7850	17		17	4A10	#1		
P		178		198	8201	20		20	4A10	#1		
P		198		118	8202	20		20	4A10	#1		
P		118		121	8203	03		03	5D4	#2		
P		121		147	8204	26		26	4A10	(4C5) #3		
P		147		161	8205	14		14	4A10	(4C5) #3		
P		161		176	8206	15		15	4A10	(4C5) #3		
P		176		179	8207	03		03	4C10	#4		
P		179		198	8208	19		19	4A10	#5		
P		198		222	8209	24		24	4A10	#5		
P		222		244	8210	22		22	4A10	#5		
P		244		261	8211	17		17	4A10	#5		
P		261		271	8212	10		09	4C10	(4E1) (4C5) #6		
P		271		288	8213	17		17	4E4	(4E4 porous) #7		
P		288		315	8214	27		27	4E4	(4E4 → 4G4) (#8 28.8-29.0 5C4*) #9		
P		478		495	8215	17		15	4G4	#11		
P		11375		11387	8216	12		12	4EG1	#29		
P		11387		11396	8217	09		09	4D4	#30		
P		11396		1402	8218	06		03	4D4/6	[4G4] #31		
P		1402		1416	8219	14		14	4E4/6	#32		
										units #23 + 25 not sampled, very low grade		

#1 {

#2 {

#3 {

DDH EAG.4.150
2 meters⁸

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	S ₂	S ₀		S ₁		S ₂		Description
	1	10	14	16	20	22	24	26			28	32	34	38	40	44	
		310			315	X											byia.
		315			346	Y, PF3											" of por recy 1.5/5.0m ⇒ fault
		1387			1396	D?											byia. (qlyto)
		1396			1402	D?											minor byia

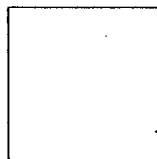
DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO

D. D. H. No 76-U-150 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE 10,880.398 80W STARTED AUGUST 18, 1976
 DEPARTURE 7,445.206 remuck station COMPLETED AUGUST 21, 1976
 ELEVATION 1,112.592 PROPOSED DEPTH 500' - 152.40m
 ULTIMATE DEPTH - 152.40m

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



CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 88%

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

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay 2				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
57.9	65.5	GRAPHITIC SERICITE PHYLLITE (SG). Fissile easily breaks into poker chips. Foliation = 75-80°; no well defined F noted except at 62 = 0-2°. 65.5: Rx slowly changing to calcitic-chloritic sericite phyllite. Decreasing graphitic laminae.	7.3		57.9	65.5	7.6										
65.5	92.9	CALCITIC-CHLORITIC SERICITE PHYLLITE (Sc+K). Competent. Dark gray with green laminae (chlorite). Foliation F = 75- 80°; F = 5-10°. Calcite as thin laminae in both F ₁ and F ₂ . 77.3-78: Calcitic graphitic interval. Contacts are gradual with introduction of graphitic laminae. Foliation = 75-80°. 85.3-86.9: With fine laminae bio laminae. 86.9: Decreasing chlorite laminae but calcite is still present. Foliation = 85-90°; F = 0-5°. 92.9: Sharp contact with mineralized graphitic phyllite (PG) Contact marked by 3.5cm by calcitic-chloritic bleached phyllite. Contact plane = 90°.	27.0		65.5	92.5	27.0										
92.9	94.5	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. Foliation F = 75°; F = 0-5°. Sulfides as thin laminae following F ₁ foliation.	1.3	4712	92.5	94.5	2.0	1.53	2.78	23.31			3.06	5.56	46.62		

DDH: FAGU150 -- 42 DEGREE PROFILE

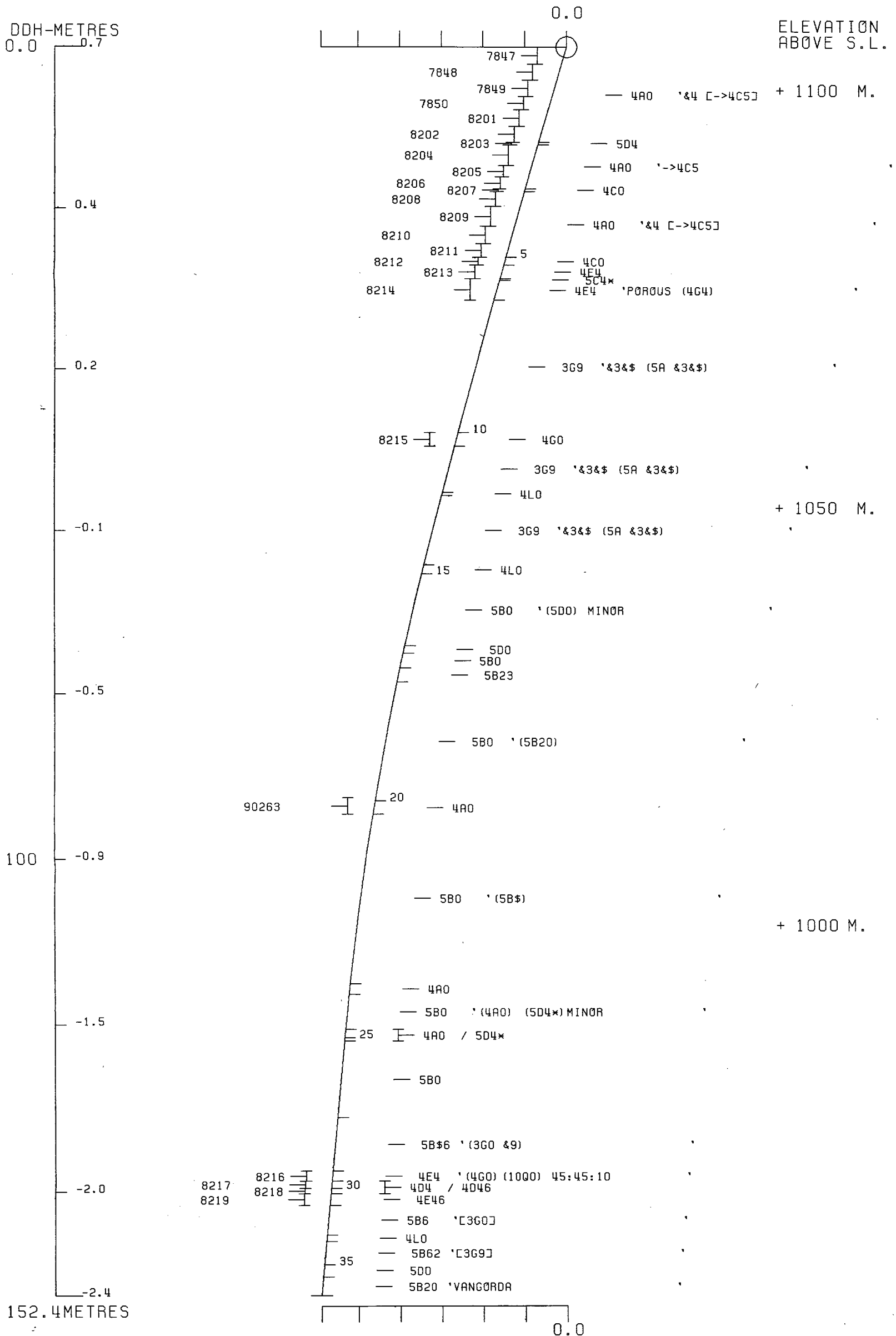
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1105 592136E ; 905082N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 452.4 Z = 1105.1

SECTION NAME: 80W



DDH: FAGU150 -- 42 DEGREE PROFILE

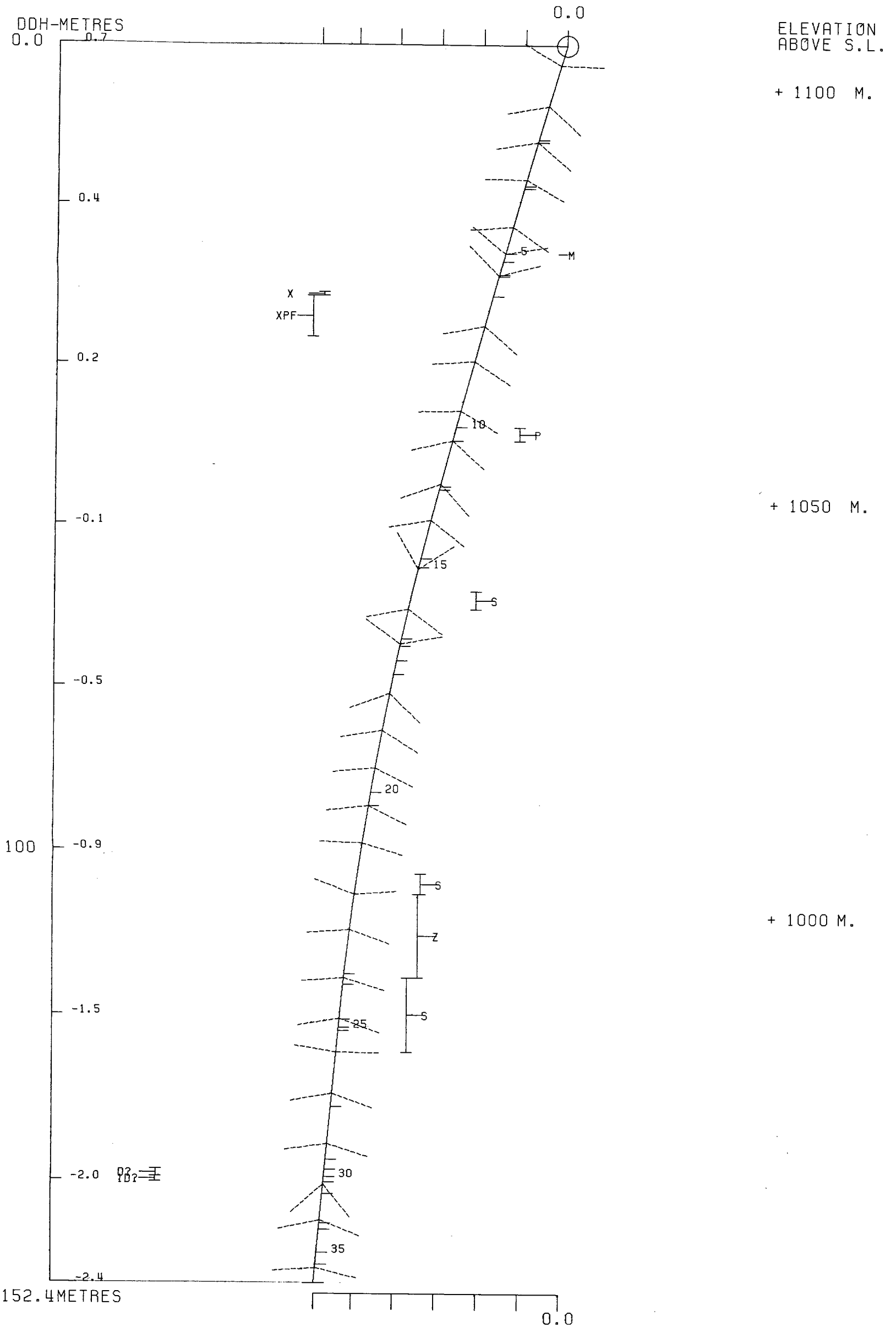
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1105 592136E ; 905082N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 452.4 Z = 1105.1

SECTION NAME: 80W



76 U151

DRILL HOLE : FAGU151
NORTHING : 905,081.3
EASTING : 592,134.2
ELEVATION : 1,108.2
TOTAL DEPTH : 76.2
SECTION : W 80
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 0
SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 20
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 37
NOS DOWN-H-STRUCTURE: 25
NOS DOWN-H-FAULTS: 10
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

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

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	ASSAYS										S.G. W.R.			
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 %
.0	2.2	06862	2.2	1.6 4E4	4.07	.15	6.30	10.80	102.00		2.61	1 18	20						
2.2	2.8	06863	.6	.6 4E*4	4.29	.35	6.10	8.50	39.00	85.00	2.19	2 27	30						
2.8	4.1	06864	1.3	1.2 4E4	4.96	.30	10.50	16.00	137.00		4.11	1 25	26						
4.1	4.6	06865	.5	.4 4G0	5.01	.09	7.20	.80	113.00		1.10		17 18						
4.6	6.1	06866	1.5	1.3 4E4	4.81	.04	4.70	5.80	62.00		1.17	2 19	21						
6.1	7.4	06867	1.3	1.3 4E5	3.41	.07	.12	.15	6.00		.69	2 14	16						
7.4	9.1	06868	1.7	1.7 4A1	3.18	.01	.09	.08	7.00		.55	1 8	9						
9.1	11.1	06869	2.0	2.0 4A41	3.18	.03	2.10	3.60	34.00		.55	1 10	11						
11.1	13.1	06870	2.0	2.0 4A41	3.24	.03	2.50	4.40	44.00		.75		10 10						
13.1	14.3	06871	1.2	1.2 4A41	3.42	.13	2.90	6.50	56.00		1.65	1 13	14						
14.3	15.4	06872	1.1	1.1 4A41	3.40	.15	4.20	8.30	75.00		1.37	1 11	12						
15.4	16.7	06873	1.3	1.0 4D4	3.90	.22	9.70	10.90	151.00	145.00	1.51	1 15	17						
16.7	18.3	06874	1.6	1.6 4E4	4.13	.20	5.50	6.00	92.00		2.06	1 23	24						
18.3	20.7	06875	2.4	1.9 4E4	4.25	.33	3.50	3.60	57.00		1.85	2 30	32						
54.6	55.4	06876	.8	.8 4G41	4.80	.13	9.00	8.40	134.00		2.47	3 15	18						
55.4	57.3	06877	2.4	2.1 4E0	4.69	.22	2.20	1.27	39.00		2.47	2 35	37						
57.3	58.3	06878	.5	.4 4G41	4.86	.05	10.70	11.10	182.00		2.74	1 13	14						
58.3	60.1	06879	1.8	1.7 4E4	4.81	.17	3.90	3.40	57.00		.82	1 30	32						
60.1	62.4	06880	2.3	2.1 4E48	4.73	.15	13.40	12.30	177.00		2.40	8 15	23						
62.4	65.1	06881	2.7	1.9 4E4	4.58	.65	7.60	6.20	137.00		2.26	3 24	27						

WEIGHTED AVERAGE

.0	20.7	20.7	18.9	3.86	.14	4.31	6.01	68.16	11.57	1.56	1 17	19
54.6	65.1	10.5	9.0	4.70	.29	7.25	6.33	111.56		2.13	3 24	28

14JUL83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 10

DDH: FAGU151 UTM-N: 905,021.3 UTM-E: 592,134.2 UTM-ELEV: 1,108.2 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 0 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	47.000	224.000

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

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
2.2	0001	4E4	(4A4 PHYLLITIC)	0.0	1
2.3	0002	4E44	(4E4 POROUS)	0.0	1
4.1	0003	4E4		0.0	1
4.6	0004	4G0		0.0	1
5.1	0005	4E4		0.0	1
6.6	0006	4B5		0.0	1
7.1	0007	4L12		0.0	1
7.3	0008	4E4		0.0	1
7.4	0009	10G0		0.0	1
15.5	0010	4A41	(3G2) [4A PHYLLITIC]	0.0	1
16.7	0011	4D4		0.0	1
20.7	0012	4E4	(4A3PHYLLITIC)(4E0)(4E47BASE)	0.0	1
24.5	0013	5A6		0.0	1
26.4	0014	5B2B?		0.0	1
27.4	0015	5D8		0.0	1
28.3	0016	5B0a	WEAKLY CALC	0.0	1
30.3	0017	5D8		0.0	1
32.7	0018	5B0a		0.0	1
35.0	0019	5B8		0.0	1
36.4	0020	5B26		0.0	1
40.7	0021	5B0a		0.0	1
41.2	0022	5D8		0.0	1
42.6	0023	5B0a		0.0	1
44.2	0024	5D8		0.0	1
45.2	0025	5B0a		0.0	1
49.7	0026	5D8		0.0	1
54.6	0027	5B26?	SERICITIC	0.0	1
55.4	0028	4G41	SS	0.0	1
57.3	0029	4E0	(4G41)	0.0	1
58.3	0030	4G41		0.0	1
60.1	0031	4E0	(4G41)(4K)(4D)	0.0	1
62.4	0032	4E487	(4G41)	0.0	1
65.1	0033	4E0	(4G#4)(4E4)(4K4) POROUS	0.0	1
68.6	0034	5A6		0.0	1
73.2	0035	4L0		0.0	1
74.7	0036	5A6	-	0.0	1
76.2	0037	4L0	-	0.0	1

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

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU151	0.0	0.4	PS2		0	0	0	0	80	230	C		1	0	0
FAGU151	0.0	6.8	PS2		0	0	0	0	47	230	C		1	0	0
FAGU151	0.0	11.9	PS2		0	0	0	0	30	230	C		1	0	0
FAGU151	0.0	13.9	PS2		0	0	0	0	25	230	C		1	0	0
FAGU151	0.0	22.3	PS2		0	0	0	0	65	230	C		1	0	0
FAGU151	0.0	23.6	PS2		0	0	0	0	60	230	C		1	0	0
FAGU151	0.0	25.8	PS2		0	0	0	0	59	230	C		1	0	0
FAGU151	0.1	26.3	PS2	P	0	0	0	0	0	0	C		1	0	0
FAGU151	0.0	27.7	CS2		0	0	0	0	57	230	C		1	0	0
FAGU151	0.0	29.2	CS2		0	0	0	0	59	230	C		1	0	0
FAGU151	0.0	30.0	CS2		0	0	0	0	60	230	C		1	0	0
FAGU151	28.3	30.3	CS2	Z	0	0	0	0	0	0	C		1	0	0
FAGU151	0.0	34.3	CS2		0	0	0	0	57	230	C		1	0	0
FAGU151	30.3	35.1	CS2	S	0	0	0	0	0	0	C		1	0	0
FAGU151	0.0	35.6	CS2		0	0	0	0	45	230	C		1	0	0
FAGU151	35.1	36.1	CS2	Z	0	0	0	0	0	0	C		1	0	0
FAGU151	0.0	39.9	PS2		0	0	0	0	50	230	C		1	0	0
FAGU151	0.0	44.6	PS2		0	0	0	C	25	230	C		1	0	0
FAGU151	0.0	48.8	PS2		0	0	0	0	45	230	C		1	0	0
FAGU151	0.0	51.4	PS2		0	0	0	0	60	230	C		1	0	C
FAGU151	0.0	54.3	PS2		0	0	0	0	55	230	C		1	0	0
FAGU151	35.1	54.6	PS2	P	0	0	0	0	0	0	C		1	0	0
FAGU151	0.0	66.4	PS2		0	0	0	C	23	230	C		1	0	0
FAGU151	0.0	71.5	PS2		0	0	0	0	33	230	C		1	0	0
FAGU151	54.6	74.7	PS2	P	0	0	0	0	0	0	C		1	0	0

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

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FAGU151	20.7	24.6	Q				0	0	0	3	1
FAGU151	41.2	42.6	BP				0	0	0	3	1
FAGU151	58.3	58.6	X?				0	0	0	3	1
FAGU151	58.8	59.6	D?				0	0	0	3	1
FAGU151	59.8	60.1	D?				0	0	0	3	1
FAGU151	62.4	65.1	B?				0	0	0	3	1
FAGU151	65.1	66.0	XB				0	0	0	3	1
FAGU151	67.0	68.6	G				0	0	0	3	1
FAGU151	73.2	74.7	BP	3			0	0	0	3	1
FAGU151	74.7	76.2	D?				0	0	0	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-1151

Project: Grum Releg

Location: Vangorda Plateau

Claim: _____

^{UTM} Terr. Plane
Co-ords.: 6905081.26 N

592134.15 E

Grid
Co-ords.: 80W / 2N

Elevation: 1108.2

Total Depth: -76.2 m

Purpose: _____

^{Re} Logged by: JSM

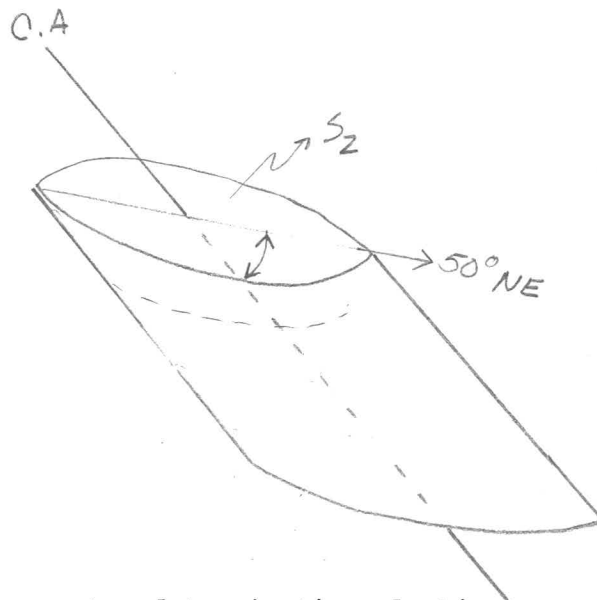
Date(s) Logged: July 1 - July 3, 1980

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

BQ 0 -76.2m

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

Fabric Orientation Diagram:



All symmetry determinations looking

NW with S₂ dipping

NE with dip azimuth 50.

Logged By: JSM

patches of Fe₂O₃

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	10 14	16 20	22 23	25 27	1 4IE1A → 4GA @ 41-4.6 ~10% BasO ₄ (honey sphal) #5 4.6-6.1 4E4 80-95% sfd: py, sphal > galena, richest sections have bands of fine grained red sphal containing py+gal 0-1.5 15% PbZn 1.5-3.0 17.75% PbZn 3.0-4.6 25.70% PbZn 4.6-6.1 33% PbZn
L	16 17	17 18	19 20	21 22	2 4IB10 ~4% PbZn red sphal, gal; v. minor py, 90% qtz; → 4LZ, then 4EA @ EOT
L	17 18	19 20	21 22	23 24	3 4IA1A locally 4A41 & locally upto 60% sfd, py, red sphal + gal 6-9% PbZn occasional porphs of py ~5mm
L	19 20	21 22	23 24	25 26	4 4DA 20% PbZn red sphal, gal. Contains patches of white qtz vaguely aligned into bands, patches ≈ 1/2"; 4EA surrounds the qtz ~ 70% sfd
L	20 21	22 23	24 25	26 27	5 4IE1A short gradational intervals of 4AD 4AA 4EO + 4EA graphitic: 16.7-17.0, 17.5-18.0, 19.5-19.8, 20.2-20.7. especially good grade @ 18.3 + 20.3 (4EA). pb (4A47) @ EOT 20.4-20.7. → 1981 check: 4E4 (4A3 phyllitic) (4EO) (4E7 @ FW)
L	21 22	23 24	25 26	27 28	6 5A16 abundant meshwork of buff qtz-carbonate veins, irreg, weakly calcareous; minor py veinlets @ 23 → 5B3 (orange ankerite laminae) @ EOT, minor talc(?) (or white clay) fracture coatings.
L	23 24	25 26	27 28	29 30	7 5B1Z w/ orange ankerite; increasingly sericitic 0.2m @ TOI → 5D?
L	25 26	27 28	29 30	31 32	8 5D13 FeCO ₃
L	27 28	29 30	31 32	33 34	9 5B10 weakly calc (FeCO ₃), good sericite devel but not enuff to be 4L
L	29 30	31 32	33 34	35 36	10 5D13 as unit 8
L	31 32	33 34	35 36	37 38	11 5B10 as unit 9
L	33 34	35 36	37 38	39 40	12 5B18
L	35 36	37 38	39 40	41 42	13 5B1Z
L	36 37	38 39	40 41	42 43	14 5B10 as unit 9 w/ both ce + FeCO ₃ , sericitic, minor carbon @ TOI
L	40 41	42 43	44 45	46 47	15 5D13 FeCO ₃ as unit 8
L	41 42	43 44	45 46	47 48	16 5B10 as unit 9 broken recovery

1981 check:
4B5 6.1-6.6 (4B5 (4L) 2)
4LZ 6.6-7.1 (4E4)
4E4 7.1-7.3
0.80 7.3 7.4

1981 check
4A41 +
34Z
finely int-
enriched

25% AP

Lithologic Log

Logged By: JSM

Code	From	To	Unit	Code	Description
	10 14 16 20	22 23 25 27			
L	4.26	4.42	17	5D3	as unit 8
L	4.42	4.52	18	5B10	as unit 9
L	4.52	4.97	19	5D13	as unit 8
L	4.97	5.46	20	5B2	sericitic
L	5.46	5.54	21	4D4	red sphal + gal + py slightly banded ~70% sd ~10% PbZn? 1981 check 4941 ± *Dolo.
L	5.54	5.60	22	4EK	4G0 w/ inclusions clasts of CO ₃ ~5% or less PbZn 4EP (4941) (red sphal + gal) Texture is that of 4K but I'm not sure it's barite 1981 check: 55.4-57.8 4E0 (4941)
L	5.60	5.78	23	4E0	w/ minor 4D4 @ 56.9 (4941 or 4946) ~4% PbZn
L	5.78	5.83	24	4D4	8-9% PbZn (perhaps more) orange sphal ≈ gal as unit 21 1981 check: 4941 minor CO ₃ clasts @ TOI upper etc is intercalated w/ #21
L	5.83	5.86	25	4K0	large CO ₃ clasts, bxia invisible PbZn
L	5.86	5.88	26	4D4	large patches of white qtz @ TOI surr. by 4E0 & 4E4 then qtz in matrix @ EOT, ~70% sd ~8(?) % PbZn (red sphal + gal)
L	5.88	5.96	27	4E0	subtle autoxidation, collined vuggy fractures 59.2
L	5.96	5.98	28	4D4	10-15% PbZn? orange sphal & gal as unit 21 in texture
L	5.98	6.01	29	4E0	as unit 27 also auto bixiated
L	6.01	6.24	30	4E4	High grade 19% PbZn to 6.0 28% PbZn 6.1-6.2.4 Mat + Po bands (5+%) 1981 check: 4E487 (4941 @ stp dcs)
L	6.24	6.51	31	4EK	This is a grungy interval 4D4 → 4K → porous sfs → 4K → 4E → 4EK (minor CO ₃ clasts) → clay altered sfs w/ CO ₃ 11-12% PbZn, acc. to KA, red sphal + gal in 4D4 + porous
L	6.51	6.86	32	5A16	bxia (qtz + 5A phyllite) @ TOI, minor 4L + broken recovery @ 67 Interval ends in gouge, fault?
L	6.86	7.32	33	4L0	
L	7.32	7.47	34	5A16	minor CO ₃ veins, only 0.5m (33%) broken recovery
L	7.47	7.62	35	4L0	Bxia - seems to be sd or rolc. not tectonic. contains frags of 5D + some unknown rock types matrix ≈ graphitic
					1981 check: 58.3-60.1 4E0 (4941 @ 58.7, 59.7) (4K + 4D @ TOI) #25-29 ⇒ #25 note also minor bixiation + vugs

4E0 (4941)
4E0 (4941) (4A) (4D)

1981 check 4E0 (4941) (4K) (4K) altered, possibly faulted lower etc

TOI minor CO₃ clasts @ TOI upper etc is intercalated w/ #21

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description
	10	14 16	20 22 24 26 28	32 34 38					
S			10.4	P.S.2		810	1510	R region 0-26.3	
S			16.8	P.S.2		47	1510	split sfd's & phyllite	
S			11.9	P.S.2		310	1510		
S			11.3	P.S.2		215	1510		
S			12.2	P.S.2		1615	1510		
S			12.3	P.S.2		610	1510		
S			12.5	P.S.2		519	1510		
S			12.6	F.2.R				Z region 26.3-30.3	
S			12.7	C.S.2		57	1510	5D	
S			12.9	C.S.2		59	1510	note: only possible orientation for S ₂	
S			13.0	C.S.2		610	1510	is dipping NE. Two choices -	
								steep vs shallow dip, shallow	
								taken	
S			13.0	F.2.3				S region 30.3-35.1	
S			13.4	C.S.2		57	1510		
S			13.5	F.2.E				Z region 35.1-36.1	
S			13.5	C.S.2		45	1510	ZSZZSS	
S			13.6	F.2.Z				P region 36.1-54.6	
S			13.9	P.S.2		510	1510	5B+5D	
S			14.4	P.S.2		215	1510		
S			14.8	P.S.2		415	1510		
S			15.1	P.S.2		610	1510		
S			15.4	P.S.2		515	1510		
S			15.4	F.2.P				R region 54.6-74.7	
S			16.6	P.S.2		213	1510	sfd's 5A+4L, no pt obs in sfd's	
S			7.1	P.S.2		380	1510	note: S ₂ in 5A so slip that core	
								can't be oriented	
S			74.7	F.2.R				No sym region 74.7-ESTH	
								bxia, no apparent S ₂	
S			76.2					ESTH	

DDH 76-1151
2 8

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

Page 6 of 6
Logged By: JSM
Sampled By: _____

Code	From	To	Sample No.	Description					
P	10	14	16	20	22	27	Length	Recovery	Unit
P	10	15	14627	KA	1.5		0.8	4EA	
P	15	30	14628	KA	1.5		1.2	4EA	
P	30	46	14629	KA	1.6		1.1	4EA 4GA	
P	46	61	14630	KA	1.5		1.4	4EA	
P	61	76	14631	KA	1.5		1.2	4B0	
P	76	91	14632	KA	1.5		1.4	4AA	
P	91	107	14633	KA	1.6		1.6	4AA	
P	107	122	14634	KA	1.5		1.5	4AA	
P	122	137	14635	KA	1.5		1.5	4AA	
P	137	152	14636	KA	1.5		1.5	4AA	
P	152	168	14637	KA	1.6		1.5	4AA 4DA	
P	168	183	14638	KA	1.5		1.5	4EA	
P	183	204	14639	KA	2.1		2.0	4EA	
P	545	564	14640	KA	1.9		1.8	4DA 4GK	
P	564	579	14641	KA	1.5		1.3	4ED	
P	579	594	14642	KA	1.5		1.4	4K0, 4DA, 4ED	
P	594	610	14643	KA	1.6		1.3	4ED 4DA 4ED 4EA	
P	610	625	14644	KA	1.5		1.0	4EA	
P	625	651	14645	KA	2.6		2.0	4 (4DA 4K, 4E etc)	

Section 80W

Logged in 1980; Sampled 1981

DDH F.A.G.U.15.1 Cyprus Anvil Mining Corp

Page of
 Logged by JSM + checked

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

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION	#
	10	14	16	20	22	26	28	30	32	34	36	40		
		00		22	6862			22		16		4E4	(4A4 phyllitic)	1
		22		28	6863			06		06		4E4	(4E4 porous)	2
		28		41	6864			13		12		4E4		3
		41		46	6865			05		04		4G4		4
		46		61	6866			15		13		4E4		5
		61		74	6867			13		13		4B4.5	(4L2) (4E4)	6
		74		91	6868			17		17		4A4.1	+ 3G2 finely inter banded	7
		91		111	6869			20		20		4A4.1	+ 3G2 finely inter banded	
		111		131	6870			20		20		4A4.1	"	
		131		143	6871			12		12		4A4.1	"	
		143		154	6872			11		11		4A4.1	"	
		154		167	6873			13		10		4D4		8
		167		183	6874			16		16		4E4	(4A3 phyllitic, 4E0)	9
		183		207	6875			24		19		4E4	(4A3 phyllitic, 4E0, 4E4.7)	
		207												
		154.6		155.4	6876			08		08		4G4.1	± * Dolo	10
		155.4		157.8	6877			24		21		4E0	(4G41 @ 55.5 + 56.9) (CO ₂ clasts @ TOI)	11
		157.8		158.3	6878			05		04		4G4.1		12
		158.3		160.1	6879			18		17		4E0	(4G41 @ 58.7 + 59.7) (4K+4D @ TOI)	13
		160.1		162.4	6880			13		21		4E4.8	7 (4G41 minor @ stop cuts)	14
		162.4		165.1	6881			27		19		4E0	(4G*4 calcite) (4E4) (4K4)	15

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

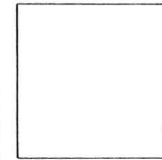
DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

D. D. H. No 76-U-151 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE 10,879.287 80W STARTED AUGUST 21, 1976
7,443.319 80W REMUCK STATION
 DEPARTURE 2N + 17M COMPLETED AUGUST 22, 1976
 ELEVATION 1,115.771 PROPOSED DEPTH 250 - 76.2m
 ULTIMATE DEPTH - 76.2m

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



CLAIM No _____

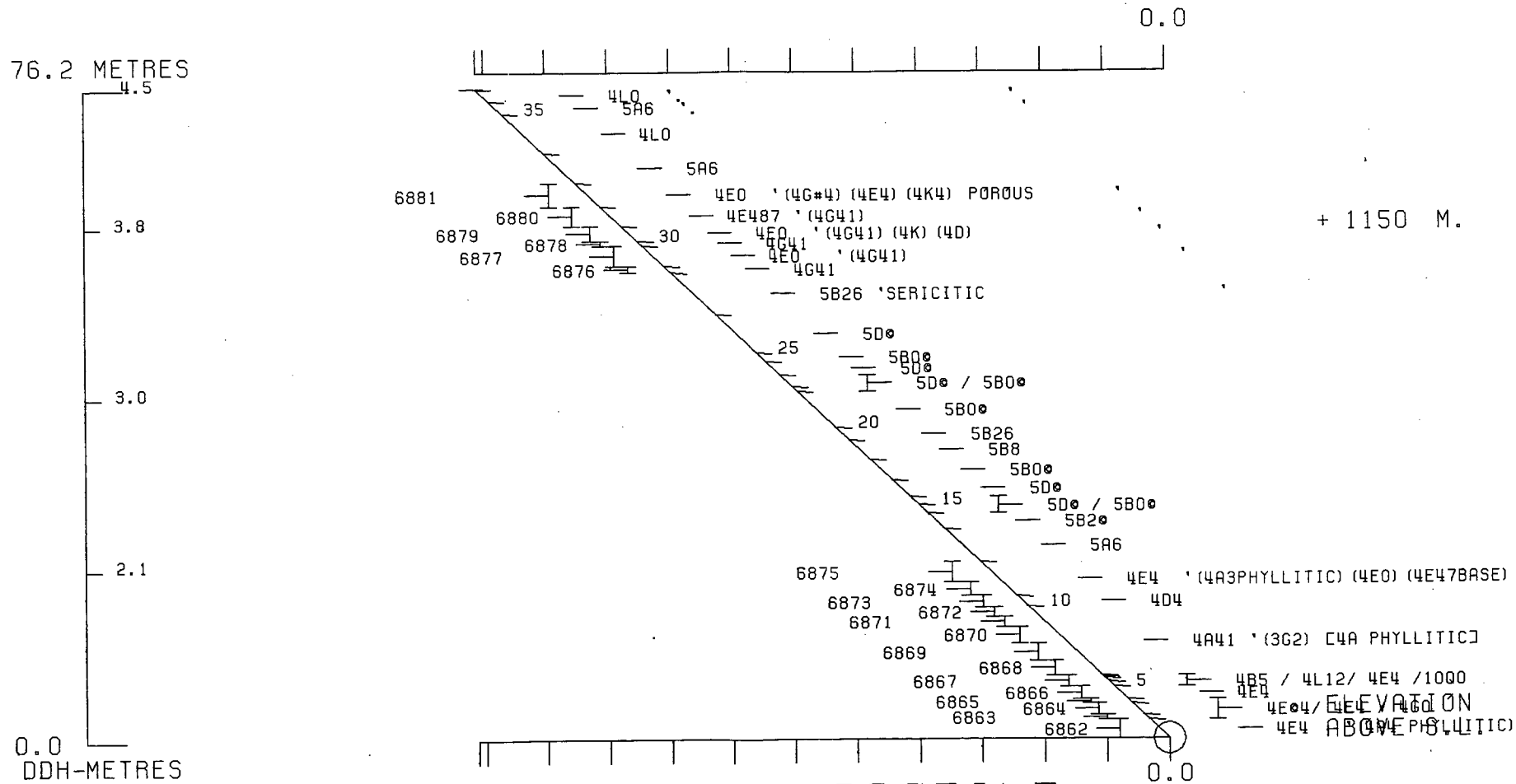
DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 86%

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

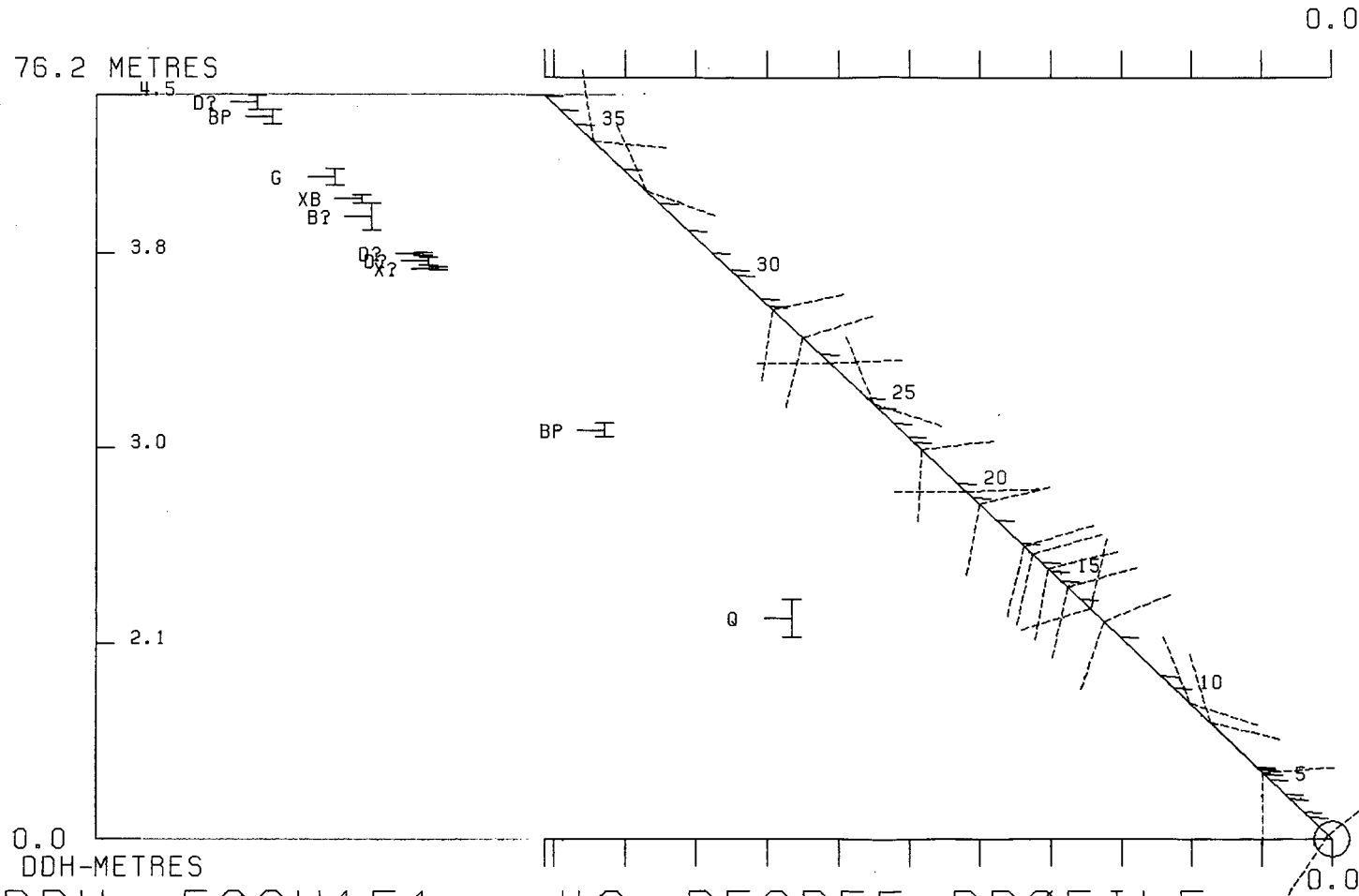
W Av. 15.2 18.3 3.1 7.7 8.85 113.92 23.96 27.46 353.15

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



DDH: FAGU151 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1108 592134E ; 905081N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 450.3 Z = 1108.4
 SECTION NAME: 80W



+ 1150 M.

ELEVATION
ABOVE S.L.

DDH: FAGU151 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1108 592134E ; 905081N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 450.3 Z = 1108.4

SECTION NAME: 80W

76 U152

DRILL HOLE : FAGU152
NORTHING : 905,142.7
EASTING : 592,191.5
ELEVATION : 1,111.0
TOTAL DEPTH : 61.0
SECTION : W 80
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 15
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 24
NOS DOWN-H-STRUCTURE: 14
NOS DOWN-H-FAULTS: 2
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU152 UTM-N: 905,142.7 UTM-E: 592,191.5 UTM-ELEV: 1,111.0 TOTAL DEPTH: 61.0 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	-----ASSAYS-----														
FROM	TO					S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
14.1	14.5	08550	.4	.3	4D7		.02	1.89	4.50	32.00										
18.6	19.4	08551	.8	.5	4A4	3.34	.08	2.05	4.00	32.00		1.03	1	14	15					
19.4	20.9	08552	1.5	1.2	4C0	3.21	.16	.96	2.40	13.00	16.00	.48	1	12	14					
21.3	22.9	08553	1.6	1.2	4D0	3.04	.06	2.70	2.30	30.00		1.03		6	6					
22.9	24.4	08554	1.5	1.2	4D0	3.01	.07	3.20	3.80	39.00		1.10		3	4					
24.4	26.4	08555	2.0	1.9	4A0	2.94	.05	.91	1.14	15.00		.48		3	4					
26.4	28.4	08556	2.0	2.0	4A0	2.91	.04	.24	.58	4.00		.41		4	5					
28.4	30.3	08557	1.9	1.9	4A0	2.92	.04	.38	.55	7.00		.41	1	3	5					
33.5	34.5	08558	1.0	.8	4D4	2.92	.02	3.50	6.80	52.00		.48	3	3	6					
35.0	37.0	08559	2.0	2.0	4A0	3.16	.03	1.50	2.90	24.00		.75		11	11					
37.0	39.3	08560	2.3	2.3	4A4	3.38	.08	2.08	4.70	34.00		.96		16	16					
39.3	40.9	08561	1.6	1.6	4AE4	3.86	.22	3.50	7.70	65.00		1.17	2	18	21					
40.9	42.9	08562	2.0	2.0	4AE4	3.50	.17	1.88	4.30	38.00	41.00	1.23	1	14	16					
42.9	45.0	08563	2.1	2.1	4DE	4.13	.20	3.60	4.50	65.00		1.78	2	24	27					
45.0	46.7	08564	1.7	1.7	4CA	3.55	.28	.39	.91	20.00		1.10	1	20	21					

WEIGHTED AVERAGE

14.1	14.5		.4	.3			.02	1.89	4.50	32.00									
18.6	20.9		2.3	1.7		3.25	.13	1.33	2.95	19.60	10.43	.67	1	12	14				
21.3	30.3		9.0	8.2		2.95	.05	1.34	1.62	17.53		.65		4	5				
33.5	34.5		1.0	.8		2.92	.02	3.50	6.80	52.00		.43	3	3	6				
35.0	46.7		11.7	11.7		3.58	.15	2.16	4.14	40.74	7.00	1.16	1	17	19				

14 JUL 83 GRUM

DOWN-HOLE SURVEYS (DHD20)

PAGE: 17

DDH: FAGU152 UTM-N: 905,142.7 UTM-E: 592,191.5 UTM-ELEV: 1,111.0 TOTAL DEPTH: 61.0 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH ZENITH AZIMUTH

0.000 2.600 141.300

BDH: FAGU152 UTM-N: 905,142.7 UTM-E: 592,191.5 UTM-ELEV: 1,111.0 TOTAL DEPTH: 61.0 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.6	0001	300	30	0.0	1
7.5	0002	504*		0.0	1
14.1	0003	300	30	0.0	1
14.5	0004	407	(4L) MINOR	0.0	1
15.3	0005	504*		0.0	1
18.6	0006	504*		0.0	1
19.4	0007	400		0.0	1
20.9	0008	400		0.0	1
21.3	0009	503		0.0	1
24.4	0010	400		0.0	1
30.3	0011	405	[4A PHYLLITIC]	0.0	1
31.6	0012	309		0.0	1
32.4	0013	506	8* (400) MINOR	0.0	1
33.5	0014	3040	(4L0) 70:30	0.0	1
34.5	0015	400	(1000) 80:20	0.0	1
35.0	0016	503		0.0	1
39.3	0017	400		0.0	1
42.9	0018	400	(4E) 90:10	0.0	1
45.0	0019	400	(4E0) 50:50	0.0	1
45.7	0020	404	87 (4A4)	0.0	1
51.3	0021	309	80	0.0	1
53.3	0022	504*		0.0	1
59.1	0023	503		0.0	1
61.0	0024	500	80	0.0	1

14 JUL 83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 19

DDH: FAGU152 UTM-N: 905,142.7 UTM-E: 592,191.5 UTM-ELEV: 1,111.0 TOTAL DEPTH: 61.0 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU152	0.0	4.6	PS2		0	0	0	0	59	230	C		1	0	0
FAGU152	0.0	9.1	PS2		0	0	0	0	63	230	C		1	0	0
FAGU152	0.1	14.1	PS2	P	0	0	0	0	66	230	C		1	0	0
FAGU152	0.0	18.6	PS2		0	0	0	0	60	230	C		1	0	0
FAGU152	14.1	24.4	PS2	P	0	0	0	0	76	230	C		1	0	0
FAGU152	24.4	30.5	CS2	Z	0	0	0	0	78	230	C		1	0	0
FAGU152	30.5	32.8	CS2	S	0	0	0	0	0	0	C		1	0	0
FAGU152	0.0	35.0	PS2		0	0	0	0	59	230	C		1	0	0
FAGU152	0.0	39.8	PS2		0	0	0	0	68	230	C		1	0	0
FAGU152	0.0	45.7	PS2		0	0	0	0	58	230	C		1	0	0
FAGU152	32.3	46.7	PS2	P	0	0	0	0	0	0	C		1	0	0
FAGU152	0.0	50.3	PS2		0	0	0	0	74	230	C		1	0	0
FAGU152	0.0	55.0	PS2		0	0	0	0	73	230	C		1	0	0
FAGU152	46.7	61.0	PS2	P	0	0	0	0	88	230	C		1	0	0

14JUL83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 20

DDH: FAGU152 UTM-N: 905,142.7 UTM-E: 592,191.5 UTM-ELEV: 1,111.0 TOTAL DEPTH: 61.0 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD		
FAGU152	45.0	46.7	1D				0	0	0	3	1	
FAGU152	53.1	54.9	G3F				0	0	73	0	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U152

Project: GRUM RE-LOG

Location: VANGORDA PLAT.

Claim: _____

UTM Terr. Plane
Co-ords.: 6,905,142.7 N

592,191.5 E

Grid
Co-ords.: 80W/5N

Elevation: 1110.99

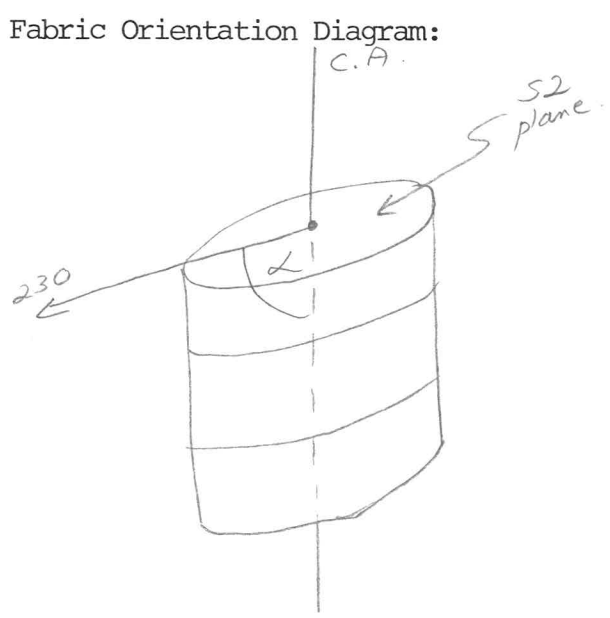
Total Depth: 61.0 m.

Purpose: _____

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

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

BQ 0 61



All symmetry determinations looking

NW with 52 dipping

SW with dip azimuth 230.°

Started: 23/8/76 Completed: 24/8/76

Structural Log

Logged By: D.J.H.

Code	From		To	Feature	S ₁ Dip Direct.	S ₂ Dip Direct.	Description
	10	14 16 20 22 24 26 28					
							vertical up-hole
S			46	PSI2		59 2130	PS2 region 0.0 - 14.1 m.
S			91	PSI2		63 2130	(2 S _s and 1 M observed)
S			141	F2P		66 2130	2 Z _s
S			186	PSI2		60 2130	-possible M region.
S			244	F2R		76 2130	R region 14.1 - 24.4
S			305	F23		78 2130	Z region 24.4 - 30.5
S			328	F2S			S region 30.5 - 32.8
S			350	PSI2		59 2130	R region 32.8 - 46.7 m.
S			398	PSI2		68 2130	
S			457	PSI2		58 2130	
S			467	F2R			PS2 region 46.7 - 61.0
S			503	PSI2		79 2130	
S			550	PSI2		73 2130	
S			610	F2P		88 2130	
			END				

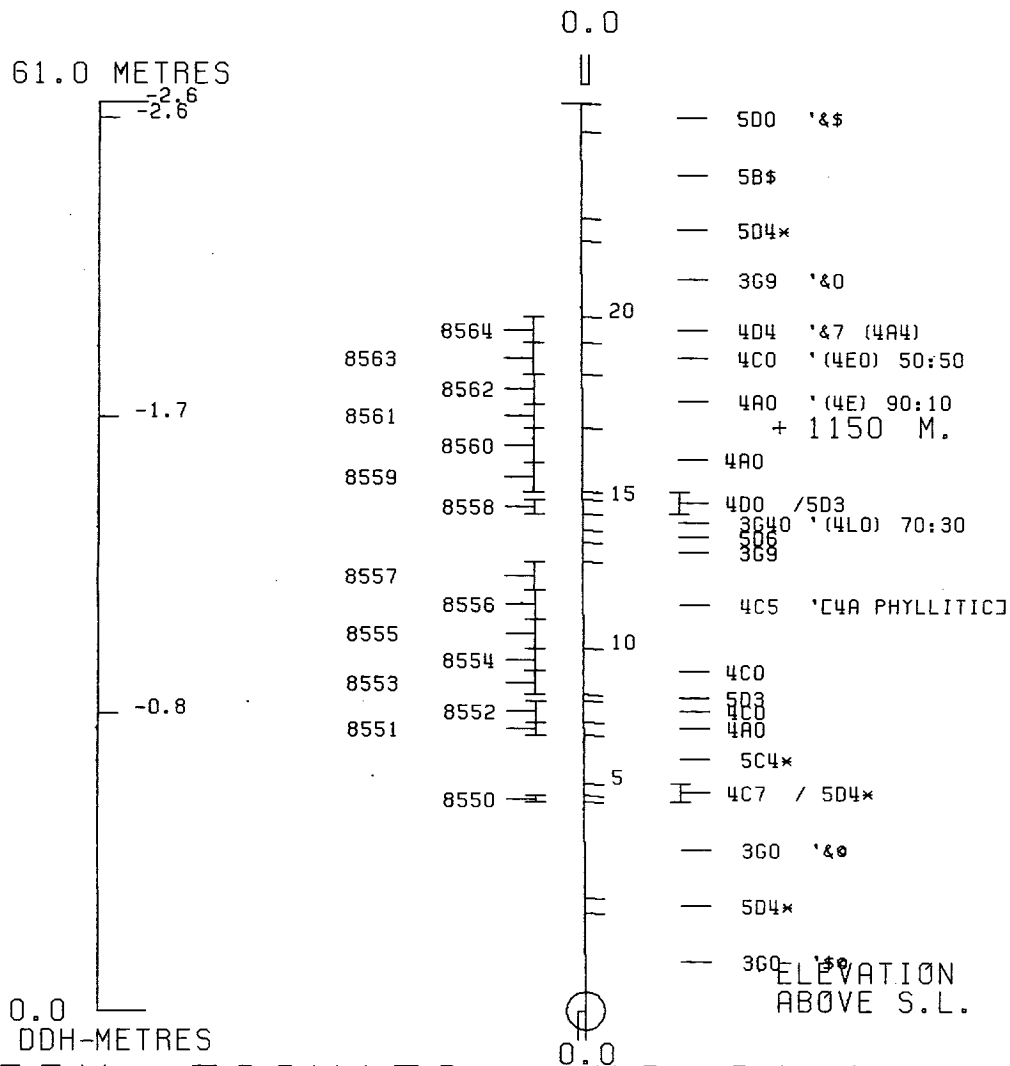
ASSAY LOG (SAMPLER'S COPY) Date Aug. 4 / 81

Mexres

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		14				14			8550				04				03				4C7								
P		18				19			8551				08				05				4A0								
P		19				20			8552				15				12				4C0								
P		21				22			8553				16				12				4C0								
P		22				24			8554				15				12				4C0								
P		24				26			8555				20				19				4A0								
P		26				28			8556				20				20				4A0								
P		28				30			8557				19				19				4A0								
P		33				34			8558				10				08				4D0							(000)	
P		35				37			8559				20				20				4A0								
P		37				39			8560				23				23				4A0								
P		39				40			8561				16				16				4AE								
P		40				42			8562				20				20				4AE								
P		42				45			8563				21				21				4CE								
P		45				46			8564				17				17				4DA								

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

Code	From		To		Sample No.		Description
I	10	14	16	20	22	27	LENGTH REC.
P		187		213		A743	K.A. 2.6 2.3
P		213		244		A744	" 3.1 2.5
P		244		274		A745	" 3.0 2.9
P		274		305		A746	" 3.1 3.1
P		335		366		A747	" 3.1 2.8
P		366		381		A748	" 1.5 1.4
P		381		396		A749	" 1.5 1.5
P		396		A111		A750	" 1.5 1.5
P		411		427		A751	" 1.6 1.5
P		427		442		A752	" 1.5 1.5
P		442		466		A753	" 2.4 2.2



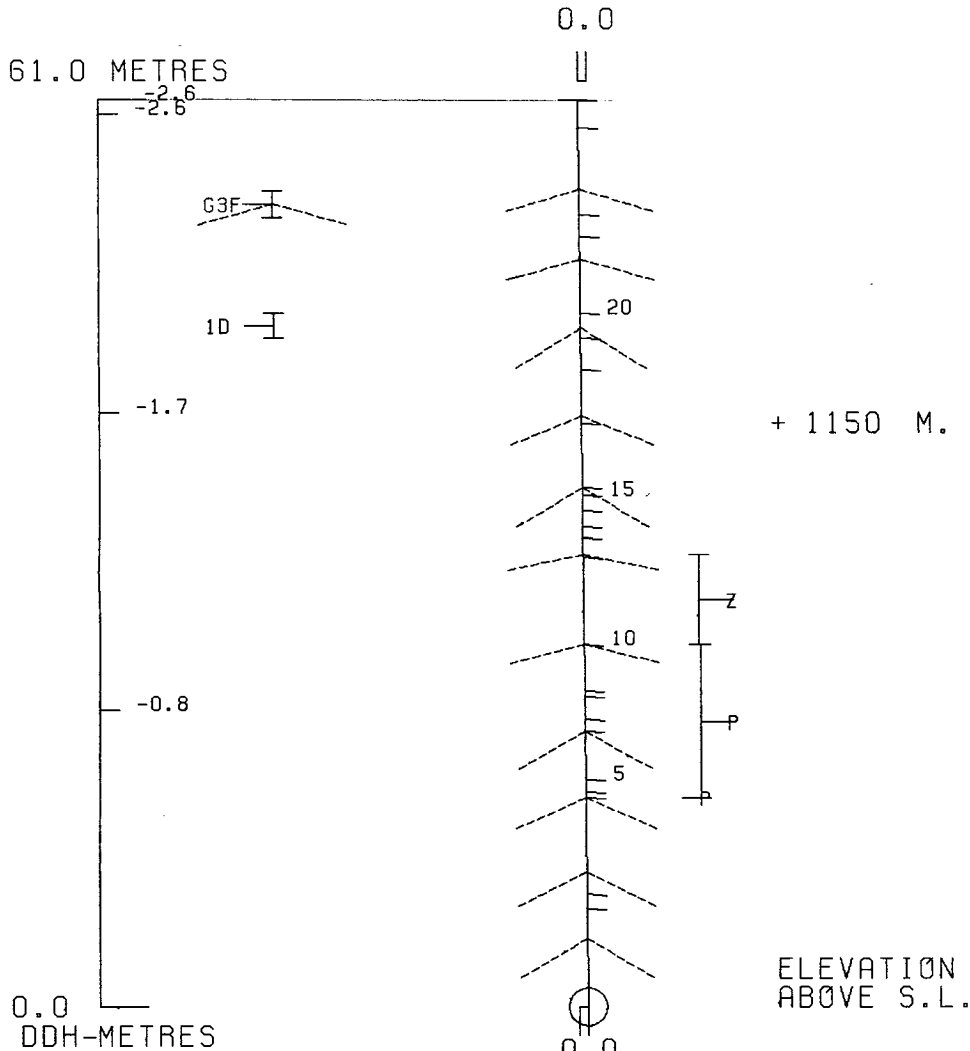
DDH: FAGU152 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1111 592192E ; 905143N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 534.3 Z = 1111.0

SECTION NAME: 80W



DDH: FAGU152 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1111 592192E ; 905143N
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 534.3 Z = 1111.0
SECTION NAME: 80W

76 U 153

DRILL HOLE : FAGU153
NORTHING : 905,081.1
EASTING : 592,134.4
ELEVATION : 1,105.6
TOTAL DEPTH : 61.0
SECTION : W 80
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 26
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 20
NOS DOWN-H-STRUCTURE: 12
NOS DOWN-H-FAULTS: 2
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

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

---DEPTHS---				-----ASSAYS-----																
FRGM	TO	SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(CA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	3.0	06836	3.0	1.5 4A4	3.49	.04	5.10	10.10	82.00		1.10	1 11	12							
3.0	5.3	06837	2.3	2.1 4A4	3.38	.11	3.20	6.10	69.00		1.17	1 14	15							
5.3	7.3	06838	2.0	2.0 4A4	3.35	.07	4.40	8.00	71.00		1.10	1 11	12							
7.3	9.1	06839	1.8	1.8 4A4	3.36	.06	4.80	12.70	82.00		1.23	1 7	8							
9.1	11.3	06840	2.2	2.1 4A4	3.35	.03	5.00	11.50	84.00		1.17	1 10	11							
11.3	13.1	06841	1.8	1.8 4A4	3.62	.07	4.70	8.80	79.00		1.44	1 15	16							
13.1	15.2	06842	2.1	2.1 4A4	3.38	.05	3.20	8.10	60.00		1.10	1 13	14							
15.2	16.8	06843	1.6	1.6 4A4	3.26	.05	1.69	4.20	35.00	32.00	.75	1 13	14							
16.8	18.3	06844	1.5	1.5 4A31	3.67	.06	1.63	3.80	38.00		.89	1 21	23							
18.3	19.3	06845	1.5	1.5 4A41	3.47	.03	1.62	4.30	35.00		1.58	1 16	17							
19.3	21.7	06846	1.9	1.5 4A41	3.24	.11	1.90	4.10	36.00		1.92	1 12	13							
21.7	23.2	06847	1.5	1.5 4A41	3.33	.08	2.90	6.90	56.00		1.92	1 13	14							
23.2	25.2	06848	2.0	1.6 4E0	4.53	.31	.66	1.07	25.00		2.40	1 40	42							
25.2	26.9	06849	1.7	1.6 4E0	4.66	.27	.83	1.56	25.00		1.92	1 40	42							
26.9	29.5	06850	2.7	2.7 4A41	3.45	.13	3.80	7.60	69.00		2.06	1 14	15							
29.5	30.5	06851	.9	.7 4E0	4.70	.25	1.82	1.78	36.00		1.03	1 40	42							
30.5	32.0	06852	1.5	1.4 4E4	4.43	.28	6.00	9.30	103.00		1.17	2 35	37							
32.0	33.5	06853	1.5	1.4 4AE4	3.67	.20	5.70	7.40	122.00	98.00	1.03	1 16	18							
33.5	35.1	06854	1.6	1.0 4E41	4.45	.07	11.50	19.60	185.00		2.88	2 16	18							
35.1	35.6	06855	.5	.4 4G4	4.78	.25	8.00	15.30	162.00		4.05	2 20	22							
35.6	36.6	06856	1.0	.8 4E4	4.37	.13	6.30	13.00	113.00		1.10	3 15	18							
36.6	37.0	06857	.4	.4 4A1	3.52	.08	2.30	2.60	52.00		1.99	1 15	17							
37.0	38.1	06858	1.1	1.0 4G4	4.75	.25	6.10	7.70	115.00		2.13	30	30							
38.1	40.0	06859	1.9	1.4 5C4	3.38	.05	.70	.61	16.00		4.66	4 11	16							
40.0	41.6	06860	1.6	1.2 4G4	4.94	.29	7.00	9.40	136.00		2.47	22	23							
41.6	42.7	06861	.8	.8 4A1	3.46	.05	.89	1.58	19.00		1.10	1 15	16							
WEIGHTED AVERAGE																				
.0	41.6		41.6	36.6	3.76	.12	3.91	7.40	72.09	4.76	1.70	1 18	19							
41.6	42.7		.8	.8	3.46	.05	.89	1.58	19.00		1.10	1 15	16							

14 JUL 83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 24

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

DEPTH ZENITH AZIMUTH

0.000 107.200 223.400

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

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
16.8	0001	4A4		0.0	1
18.3	0002	4A31		0.0	1
23.2	0003	4A41	(3G2)(4A3)	0.0	1
26.9	0004	4E0		0.0	1
29.6	0005	4A41	(3G2)	0.0	1
30.5	0006	4E0		0.0	1
32.0	0007	4E4		0.0	1
33.5	0008	4A4	(4E4)	0.0	1
35.1	0009	4E41		0.0	1
35.6	0010	4G4	POROUS	0.0	1
36.6	0011	4E4	(4G4) MINOR	0.0	1
37.0	0012	4A1		0.0	1
38.1	0013	4G4		0.0	1
40.0	0014	5C4@	(4L2) MINOR	0.0	1
41.6	0015	4G4		0.0	1
41.9	0016	5C4@		0.0	1
42.7	0017	4A1		0.0	1
55.9	0018	5A6		0.0	1
57.7	0019	5D6		0.0	1
61.0	0020	5A6		0.0	1

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

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

14 JUL 83 GRUM

DOWN-HOLE FAULTS (DHC20)

PAGE: 27

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

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

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-44153

Project: Grum Releg

Location: Vangorda Plateau

Claim: _____

^{UTM} Terr. Plane
Co-ords.: 6905081.07 N

592134.37 E

Grid
Co-ords.: 80W/2N

Elevation: 1105.6

Total Depth: 61 m

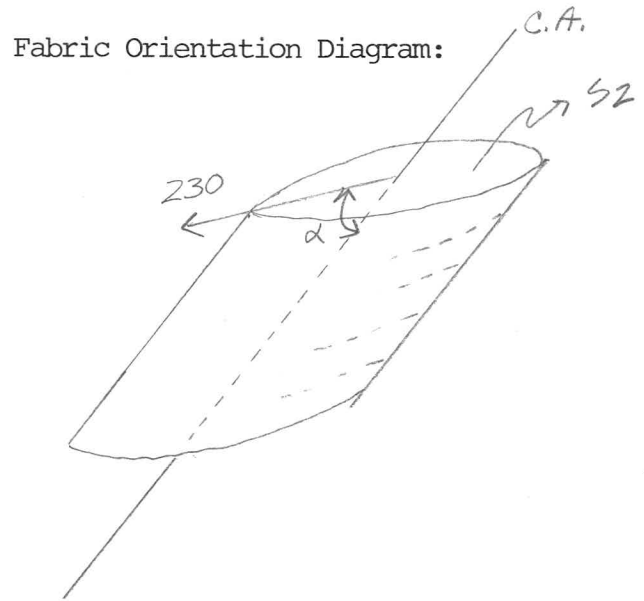
Purpose: _____

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

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

BQ 0 61

Started: 8/21/76 Completed: 8/27/76



All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth 230.

Lithologic Log

Code	From		To		Unit	Code	Description	1981 check:
	10	14	16	20				
L	100	100	168	168	1	4A14	5-18.5% PbZn; avg ~ 14%. Red sphal, gal + py	(443)
L	168	168	183	183	2	4A11	< 5% PbZn	4A31
L	183	183	232	232	3	4A14	5-7% PbZn, as unit 1	4A41 + 3GZ (4A3)
L	232	232	269	269	4	4E10	1-2% PbZn note lost core (lost after KA assays)	
L	269	269	296	296	5	4A14	upto 12% PbZn, as unit 1 + 3	4A41 + 3GZ
L	296	296	305	305	6	4E10	< 1% PbZn	
L	305	305	320	320	7	4E14	19.5% PbZn, red sphal + gal decr. below 31A	→ (4E4)
L	320	320	335	335	8	4A14	70-80% sfd, 16% PbZn, more sfd than units 1, 3 + 5	
L	335	335	351	351	9	4E14	High grade, 35% PbZn, red sphal matrix w/ gal, py, + Qtz	→ 4E4
L	351	351	356	356	10	4G14	? porous sfd, leached barite?	2 17% PbZn
L	356	356	366	366	11	4E14	? chewed up core (minor 4G4)	
L	366	366	370	370	12	4A10		4A1
L	370	370	381	381	13	4G14	11% PbZn orange sphal + gal	
L	381	381	400	400	14	4E10	altered 5D buff w/ mariposite laminae	5C4* ank. marip
							38.9-39.4 sfd (4L2) in stp etc w/ 5C	< 1% PbZn
L	400	400	416	416	15	4G14	5-10% PbZn honey sphal + gal	
L	416	416	419	419	16	4A10	as unit 14	5C4* ank. marip
L	419	419	427	427	17	4A10		4A1
L	427	427	569	569	18	5A16	slightly calc locally	
L	569	569	577	577	19	5D16	lt. buff-green	
L	577	577	610	610	20	5A16	as unit 18	
								note 1981
								changes
								In 1980, "Normal" 4A
								ie 4A0 included
								what we have now
								broken out as "4A1
								+ 3GZ finely interlaminate"
								What the hell??
								is 4A1 + 3GZ
								is 4A phyllitic
								now, what the hell is...

Code	From		To		Feature	S ₁ Dip	S ₁ Direct.	S ₂ Dip	S ₂ Direct.	Description
	10	14	16	20						
S				15	P(S)2			2.7	230	R region 0-42.4
S				16.4	P(S)2			4.9	230	mostly AA sym not observed due to splitting
S				16.3	P(S)2			4.2	230	
S				21.6	P(S)2			7.7	230	
S								3.4	230	no S ₂ rdgs poss. 21.6-42.3
S										comp brdg in 4G = 55° to C.A.
S				42.3	(F)2R					S region 42.3-45.7
S				42.4	(C)S2			5.8	230	
S				44.2	(C)S2			6.5	230	
S				45.7	(F)2S					No sym because S ₂ is too steep to orient core 45.7-61.0
S				46.2	(C)S2			3.2	230	
S				51.8	(C)S2			1.9	230	
S				57.9	(C)S2			2.8	230	
S				61.0	(F)2					EDH

DDH 76-4153
2 8

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

Page 5 of 5
Logged By: JSM
Sampled By: _____

Code	From			To			Sample No.		Description			
	10	14	16	20	22	27			Length	Recovery	Unit	
P		10	0		11	5		147116	KA	1.5	0.5	AAA
P		11	5		13	0		147117	KA	1.5	1.2	AAA
P		13	0		14	6		147118	KA	1.6	1.5	AAA
P		14	6		16	1		147119	KA	1.5	1.5	AAA
P		16	1		17	6		147210	KA	1.5	1.5	AAA
P		17	6		19	1		147211	KA	1.5	1.5	AAA
P		19	1		110	7		147212	KA	1.6	1.6	AAA
P		110	7		112	2		147213	KA	1.5	1.5	AAA
P		112	2		113	7		147214	KA	1.5	1.3	AAA
P		113	7		115	2		147215	KA	1.5	1.2	AAA
P		115	2		116	8		147216	KA	1.6	1.5	AAA
P		116	8		118	3		147217	KA	1.5	1.2	4A1
P		118	3		119	8		147218	KA	1.5	1.5	AAA
P		119	8		121	3		147219	KA	1.5	1.1	AAA
P		121	3		122	9		14730	KA	1.6	1.0	AAA
P		122	9		124	4		14731	KA	1.5	0.9	AAA, 4E0
P		124	4		125	9		14732	KA	1.5	1.3	4E0
P		125	9		127	4		14733	KA	1.5	1.4	4E0, AAA
P		127	4		129	0		14734	KA	1.6	1.2	AAA
P		129	0		130	5		14735	KA	1.5	1.3	AAA, 4E0
P		130	5		132	0		147316	KA	1.5	1.2	4EA
P		132	0		133	5		147317	KA	1.5	1.4	AAA
P		133	5		135	1		147318	KA	1.6	1.3	4EA
P		135	1		136	6		147319	KA	1.5	1.2	4EA
P		136	6		138	1		147410	KA	1.5	1.4	4A0, 4G4
P		138	1		139	6		147411	KA	1.5	1.5	410
P		139	6		142	2		147412	KA	2.6	1.9	410, 4G4, 416, AAA

Section 80W

Logged in 1980, Sampled 1981

DDH F.A.G.U.153
2 8

Cyprus Anvil Mining Corp

Page _____ of _____
Logged by JSM + checked 1981

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

Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION
	10	14	16	20		22	26	28	30			
A	100		130		16836			30		15	41A11	+3GZ finely intbndd (4D4)
A	130		153		16837			23		21	41A11	+3GZ (4D4)
A	153		173		16838			20		20	41A11	+3GZ (4D4)
A	173		191		16839			18		18	41A11	+3GZ (4D4)
A	191		1113		16840			22		21	41A11	+3GZ (4D4)
A	1113		1131		16841			18		18	41A11	+3GZ (4D4)
A	1131		1152		16842			21		21	41A11	+3GZ (4D4)
A	1152		1168		16843			16		16	41A11	+3GZ (4D4)
A	1168		1183		16844			15		15	4A131	
A	1183		1198		16845			15		15	41A11	+3GZ (4A3)
A	1198		1217		16846			19		15	41A11	+3GZ
A	1217		1232		16847			15		15	41A11	+3GZ
A	1232		1252		16848			20		16	4E10	note core loss
A	1252		1269		16849			17		16	4E10	note core loss
A	1269		1296		16850			27		27	41A11	+3GZ
A	1296		1305		16851			09		07	4E10	
A	1305		1320		16852			15		14	4E4	
A	1320		1335		16853			15		14	41A11	
A	1335		1351		16854			16		10	4E11	
A	1351		1356		16855			05		04	4G14	(4E4 porous)
A	1356		1366		16856			10		08	4E14	
A	1366		1370		16857			04		04	41A11	
A	1370		1381		16858			11		10	4G14	
A	1381		1400		16859			14		14	5C14	*ank marip + minor stds
A	1400		1416		16860			16		12	4G14	
A	1419		1427		16861			08		08	41A11	

DDH FAGU.153
2 Meters 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From		To		Feature	E S _N	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F	23	2	26	9	N,N,N								
F	3	5	6	6	B								

DIAMOND DRILL RECORD

 LOGGED BY ALEXANDER YOUNG-PO

 D.D.H. No 76-U-153 PAGE 1

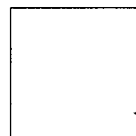
 PROPERTY GRUM JOINT VENTURE

 LATITUDE 10,879.100 80W STARTED AUGUST 21, 1976

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

 ELEVATION 1,113.226 PROPOSED DEPTH 61m
 ULTIMATE DEPTH 61m

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



CLAIM No _____

 DIRECTION AND DISTANCE
 FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 87%

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

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		Foliation F = 45-50°; F = 10-15°.	75 7	1.4	4733	25.9	27.4	1.5	1.85	2.70	35.31					
		Sporadic sulfide laminae: Py = 2%; PbZn = 1%	40 10	1.2	4734	27.4	29.0	1.6	4.40	8.25	60.34			7.04	13.20	96.54
		49.4: Sulfide showing decreasing from this point on.	60 8	1.3	4735	29.0	30.5	1.5	2.15	2.70	33.26			3.23	4.05	49.89
		Foliation = 15°; F = 45-55°. F fold nose	75 10	1.2	4736	30.5	32.0	1.5	8.41	11.16	124.5			12.62	16.74	186.69
		@ 53.3	40 10	1.4	4737	32.0	33.5	1.5	7.06	9.10	104.9			10.59	13.65	157.35
			70 10	1.3	4738	33.5	35.1	1.6	12.69	22.34	195.8			20.30	35.89	313.23
		55.8: F = 45-5°;	70 10	1.2	4739	35.1	36.6	1.5	6.47	11.46	98.74			9.71	17.19	148.11
		F = 0-5°.	70 8	1.4	4740	36.6	38.1	1.5	5.27	6.58	86.74			7.91	9.87	130.11
		57.4-57.9: Bleached phyllite. Buff to green	20 3	1.5	4741	38.1	39.6	1.5	0.95	0.80	16.11			1.43	1.20	24.17
		Foliation = 15°.	40 4	1.9	4742	39.6	42.2	2.6	5.42	7.19	90.86			14.09	18.69	236.24
		59.4-61: Foliation changes again to F = 35-40°; F =														
		0-20° (opposite dip of F).		17.7		42.2	61.0	18.8								
	61.0	END OF HOLE.		W.Av.	0	15.2	15.2	4.71	9.21	67.14				71.58	139.97	102.05
				"	4.6	10.7	6.1	5.43	10.71	76.61				33.14	65.33	467.30
				"	15.2	19.8	4.6	1.75	3.18	28.68				8.03	14.61	131.92
				"	19.8	22.9	3.1	2.79	5.95	42.04				8.64	18.45	130.31
				"	27.4	42.2	14.8	5.87	8.82	90.7				86.92	130.48	1342.4
				"	30.5	36.6	6.1	8.72	13.68	132.0				53.22	83.47	805.41
				"	27.4	30.5	3.1	3.31	5.56	47.2				10.27	17.25	146.43
				"	30.5	38.1	7.6	8.04	12.28	123.1				61.13	93.34	935.50
				W.Av.	38.1	42.2	4.1	3.79	4.85	63.5				15.52	19.89	260.41

DDH: FAGU153 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1106 592134E ; 905081N

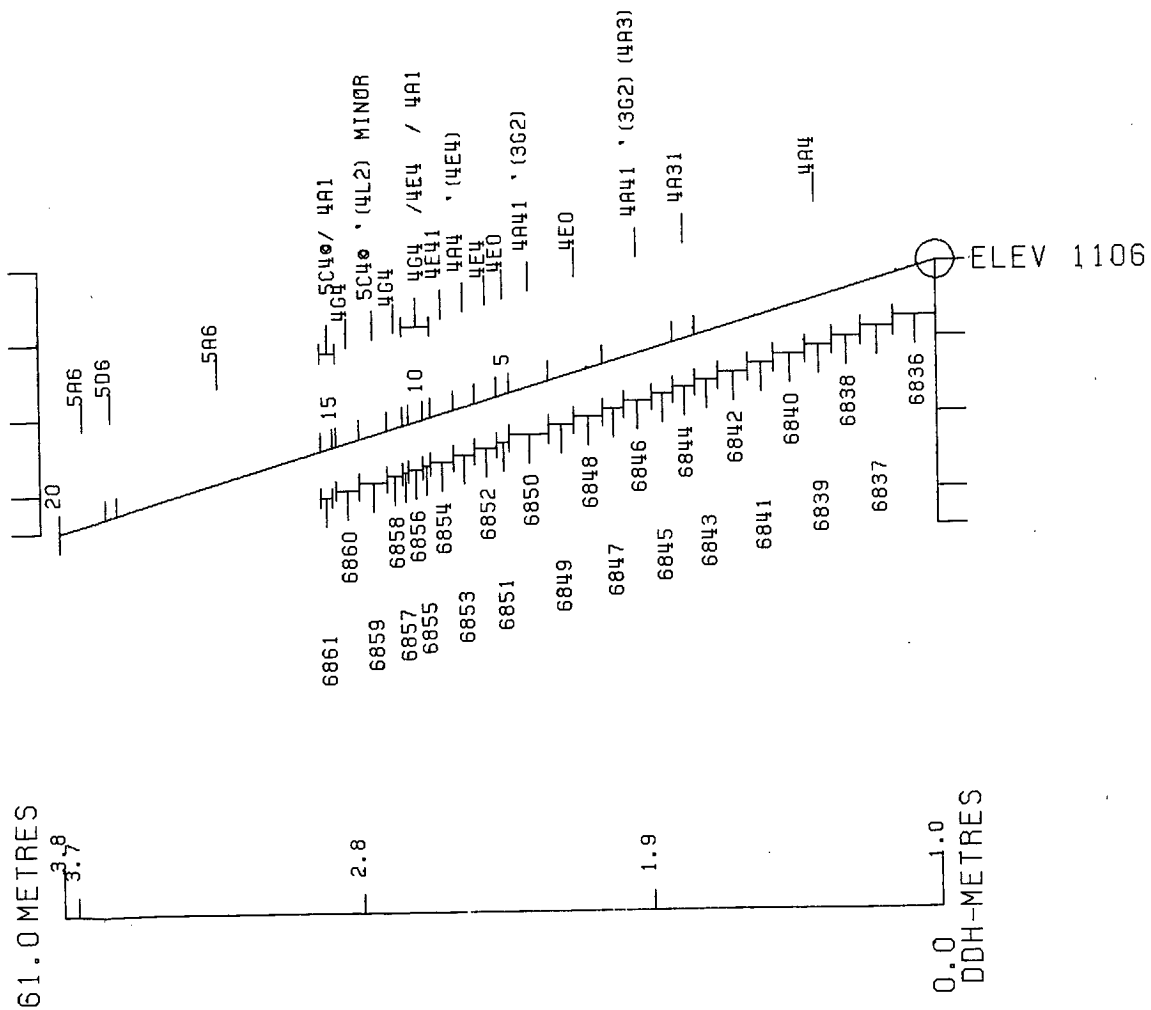
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 450.3 Z = 1105.8

SECTION NAME: 80W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 29 JAN 1985 1:48 PM



DDH: FAGU153 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1106 592134E ; 905081N

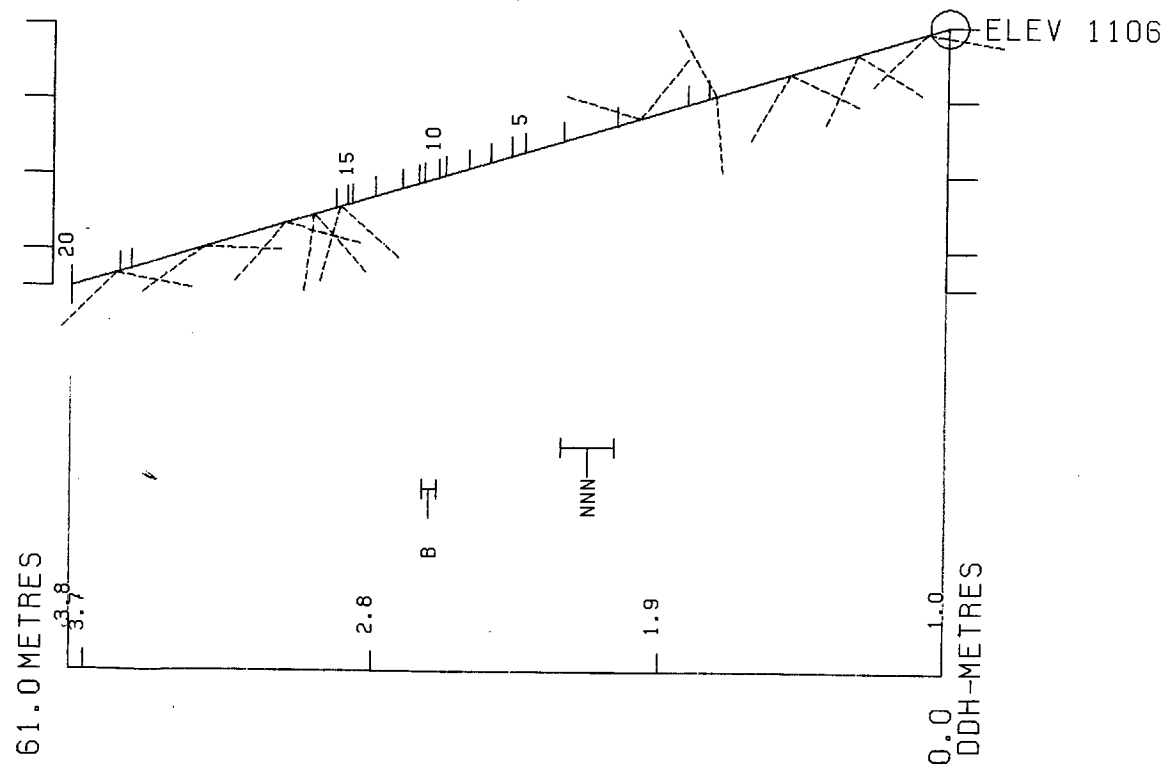
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 450.3 Z = 1105.8

SECTION NAME: 80W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 30 JAN 1985 9:23 AM



76 U154

DRILL HOLE : FAGU154
NORTHING : 905,100.1
EASTING : 592,155.5
ELEVATION : 1,109.4
TOTAL DEPTH : 61.0
SECTION : W 80
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 16
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 18
NOS DOWN-H-STRUCTURE: 17
NOS DOWN-H-FAULTS: 2
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

14JUL83 GRUM

ORE SAMPLES & ASSAYS (DHD20)

PAGE: 30

JDH: FAGU154 UTM-N: 905,100.1 UTM-E: 592,155.5 UTM-ELEV: 1,109.4 TOTAL DEPTH: 61.0 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	-----ASSAYS-----															
FROM	TO					S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
1.2	2.9	08415	1.7	1.7	4A4	3.06	.05	2.70	6.00	41.00		.62	1	6	7						
2.9	4.6	08416	1.7	1.7	4A4	3.16	.07	3.10	5.10	50.00	52.00	1.58	1	9	10						
4.6	6.4	08417	1.8	1.8	4A4	3.69	.17	5.30	10.90	96.00		1.51	1	16	17						
6.4	7.1	08418	.7	.6	4E4	4.47	.01	9.60	15.30	161.00		1.10	1	24	25						
7.1	8.3	08419	1.7	1.7	4A4	3.27	.05	3.00	6.60	51.00		1.03	1	11	12						
8.8	10.0	08420	1.8	1.8	4A4	3.02	.02	1.58	3.80	31.00		.41		6	7						
10.6	12.4	08421	1.8	1.8	4A4	3.22	.03	2.40	5.60	41.00		.48	2	9	11						
12.4	14.2	08422	1.8	1.8	4A4	3.29	.07	3.30	6.80	58.00		.69	1	12	13						
14.2	15.3	08423	1.1	1.1	4A4	3.39	.10	4.40	11.10	74.00		.75	2	9	12						
15.3	16.5	08424	1.2	1.1	4A0	3.42	.10	.82	2.70	25.00		1.17	1	17	18						
16.5	17.3	08425	1.3	1.3	4A4	3.36	.09	4.10	8.70	75.00		.82	2	11	13						
17.8	18.8	08426	1.0	1.0	506	2.93	.01	.26	.16	6.00	8.00	.21	5	3	9						
18.8	20.8	08427	2.0	2.0	4A4	3.06	.03	2.50	5.40	47.00		.69	2	5	7						
20.8	22.8	08428	2.0	2.0	4A4	3.34	.14	5.10	8.40	94.00		1.03	1	8	9						
22.8	24.8	08429	2.0	2.0	4A0	3.50	.20	1.58	1.91	38.00		1.78	1	18	19						
24.8	26.8	08430	2.0	2.0	4A4	3.53	.20	3.20	5.30	69.00		1.64	1	16	17						

WEIGHTED AVERAGE

1.2 26.8 25.6 25.4 3.32 .09 3.14 6.19 57.49 3.76 1.00 1 11 12

14 JUL 83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 31

DDH: FAGU154 UTM-N: 905,100.1 UTM-E: 592,155.5 UTM-ELEV: 1,109.4 TOTAL DEPTH: 61.0 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	7.500	200.200

DDH: FAGU154 UTM-N: 905,100.1 UTM-E: 592,155.5 UTM-ELEV: 1,109.4 TOTAL DEPTH: 61.0 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.4	0001	4A4	83	0.0	1
7.1	0002	4E4	(4D4)	0.0	1
17.8	0003	4A4	80 (4D4) 90:10	0.0	1
18.8	0004	5D6	SERICITIC [5D4*]	0.0	1
25.8	0005	4A4	87 88 80 ->4A34	0.0	1
28.8	0006	5A6		0.0	1
33.5	0007	5B26		0.0	1
34.0	0008	5D4a		0.0	1
35.3	0009	5B64		0.0	1
35.7	0010	5D4a		0.0	1
38.1	0011	5B64		0.0	1
38.7	0012	5D0		0.0	1
43.7	0013	5B8	CALCAREOUS	0.0	1
45.2	0014	5D0		0.0	1
50.5	0015	5B8		0.0	1
57.3	0016	5D3	->5D4	0.0	1
59.2	0017	5B7		0.0	1
61.0	0018	5B6		0.0	1

14JUL83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 33

DDH: FAGU154 UTM-N: 905,100.1 UTM-E: 592,155.5 UTM-ELEV: 1,109.4 TOTAL DEPTH: 61.0 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SO ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU154	0.0	1.8	PS2		0	0	0	0	65	230	C		1	0	0
FAGU154	0.0	4.6	PS2		0	0	0	0	52	230	C		1	0	0
FAGU154	0.0	10.1	PS2		0	0	0	0	50	230	C		1	0	0
FAGU154	0.0	15.4	PS2		0	0	0	0	70	230	C		1	0	0
FAGU154	0.0	20.4	PS2		0	0	0	0	61	230	C		1	0	0
FAGU154	0.0	26.2	PS2		0	0	0	0	69	230	C		1	0	0
FAGU154	0.1	26.8	PS2	P	0	0	0	0	0	0	C		1	0	0
FAGU154	0.0	31.1	CS2		0	0	0	0	70	230	C		1	0	0
FAGU154	0.0	36.5	CS2		0	0	0	0	55	230	C		1	0	0
FAGU154	0.0	40.2	CS2		0	0	0	0	63	230	C		1	0	0
FAGU154	0.0	45.5	CS2		0	0	0	0	72	230	C		1	0	0
FAGU154	0.0	50.3	CS2		0	0	0	0	80	230	C		1	0	0
FAGU154	0.0	55.4	CS2		0	0	0	0	82	230	C		1	0	0
FAGU154	0.0	57.2	CS2		0	0	0	0	79	230	C		1	0	0
FAGU154	0.0	59.0	CS2		0	0	0	0	50	230	C		1	0	0
FAGU154	0.0	60.8	CS2		0	0	0	0	73	230	C		1	0	0
FAGU154	25.8	61.0	CS2	S	0	0	0	0	0	0	C		1	0	0

14JUL83 GRUM

DOWN-HOLE FAULTS (DH020)

DDH: FAGU154 UTM-N: 905,100.1 UTM-E: 592,155.5 UTM-ELEV: 1,109.4 TOTAL DEPTH: 61.0 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FAGU154	17.8	18.8	B?				0	0	0	3	1
FAGU154	57.3	59.2	BGF				0	0	0	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U154

Project: Grum Releg

Location: Vangorda Plateau

Claim: _____

^{UTM} Terr. Plane
Co-ords.: 6905100.7 N

592155.5 E

Grid
Co-ords.: 80W/3N

Elevation: 1109.4

Total Depth: 61.0 m

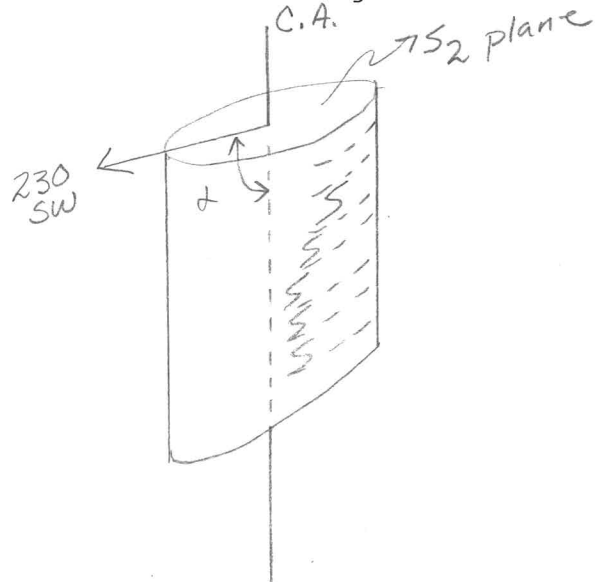
Purpose: _____

Re
Logged by: JSM Date(s) Logged: July 6+7, 1980

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

Core	Size	From	To
<u>B0</u>	<u>0</u>	<u>61</u>	
_____	_____	_____	_____
_____	_____	_____	_____

Fabric Orientation Diagram:



All symmetry determinations looking

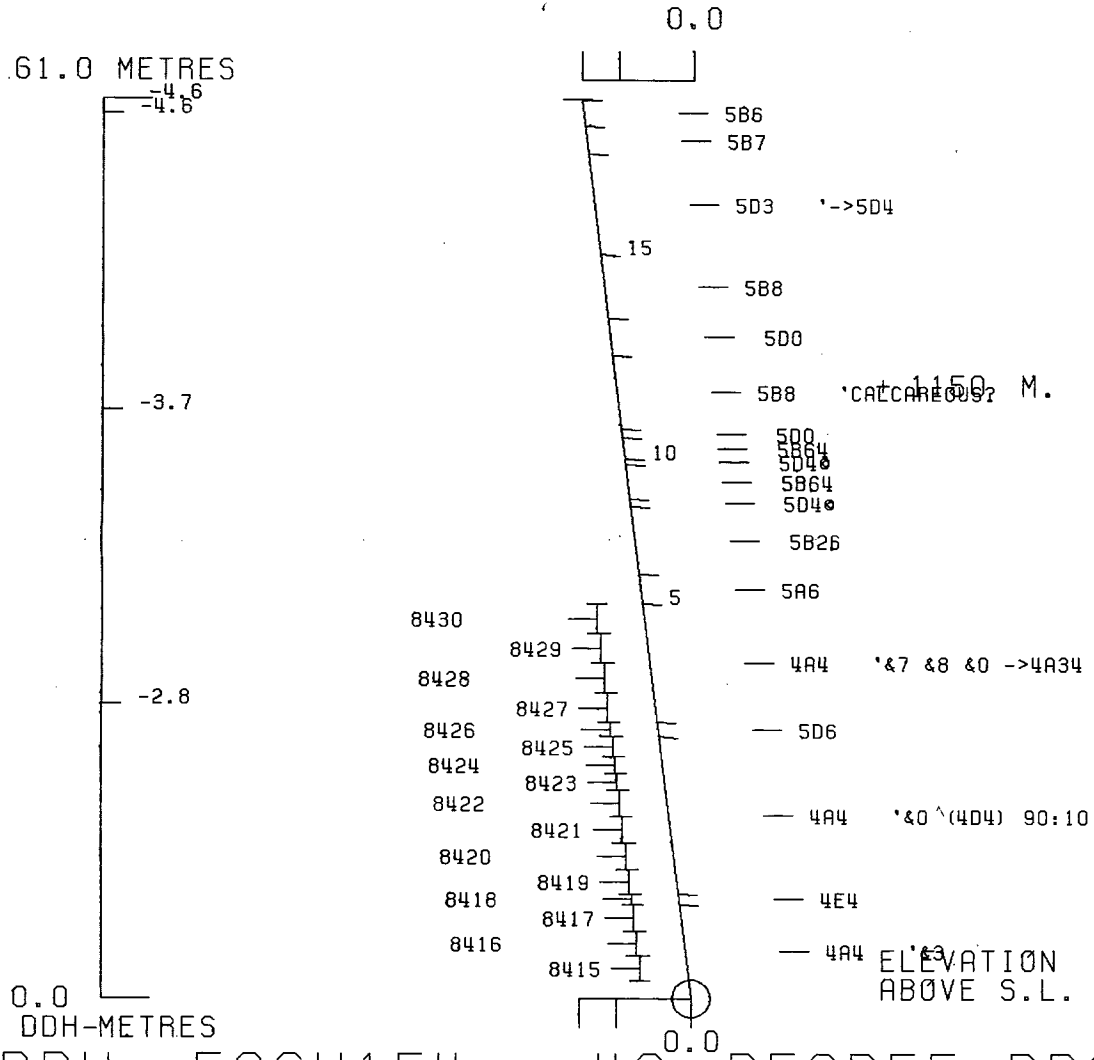
NW with S₂ dipping

SW with dip azimuth 230.

Started: Aug 23, 1976 Completed: Aug 24, 1976

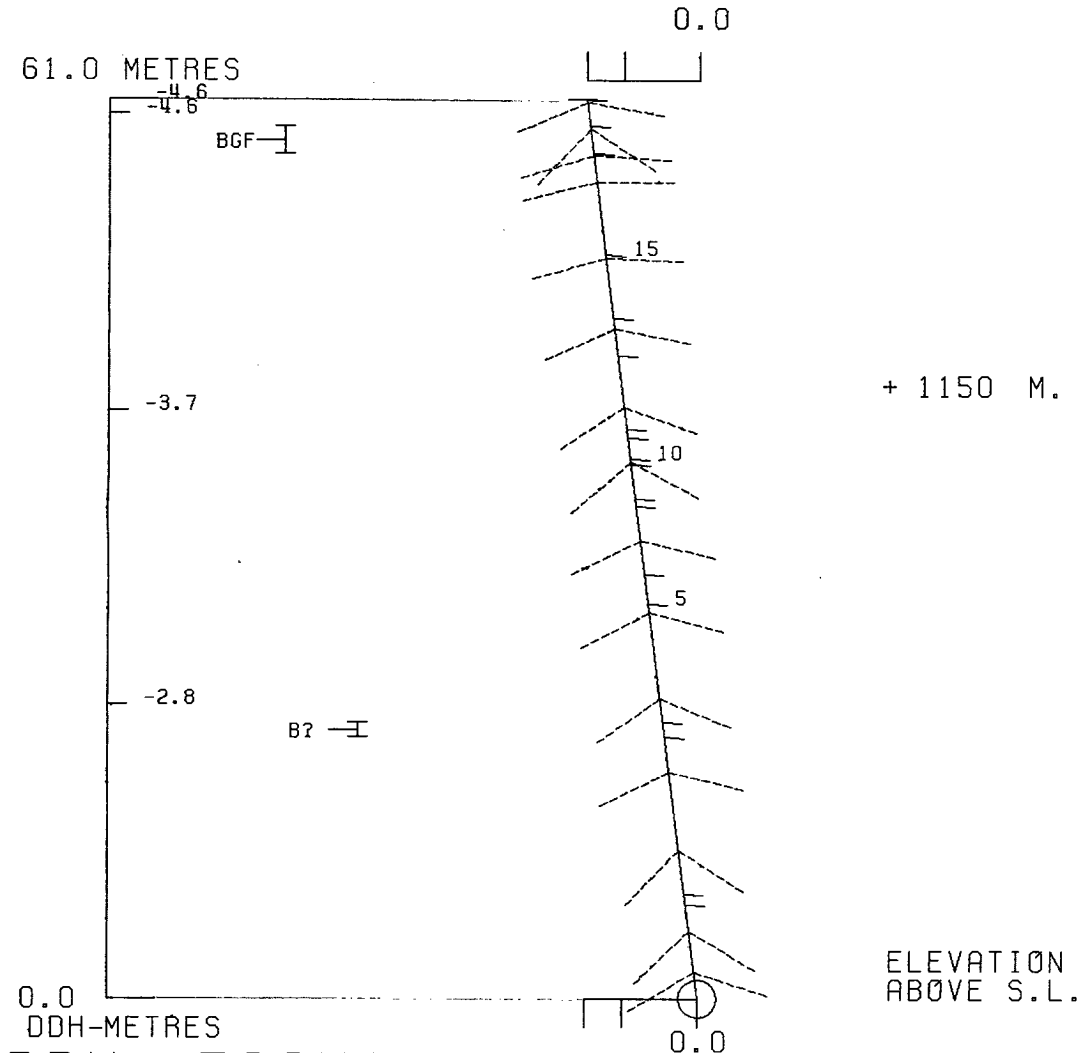
Lithologic Log

Code	From		To		Unit	Code	Description
	10	14	16	20	22 23	25 27	
L		10	0		6	4	1 4A4 7-12% PbZn red sphal + gal. Locally → 80% sfd.
L		6	4		7	1	2 4E4 25% PbZn locally 4D4
L		7	1		17	8	3 4A4 3-10% PbZn
							14.2-15.3 → 60-70% sfd 14% PbZn (4A4+4D4 @ 14.2-15.3)
L		17	8		18	8	4 5D6 ^{sericitic} buggered up, dissemin. py + gal in bluishqtz, hint of 5C
L		18	8		26	8	5 4A4 3-10% PbZn; <u>±7.8</u> 20.5-21.0 13% PbZn locally 70% sfd;
L		26	8		28	8	6 5A6
L		28	8		33	5	7 5B2 6
L		33	5		34	0	8 5D3 4 buff-orange (ankeritic)
L		34	0		36	3	9 5B6 4 minor sericite/ie white mica
L		36	3		36	7	10 5D3 4 as unit 8
L		36	7		38	1	11 5B6 4 as unit 9
L		38	1		38	7	12 5D3 ^{massive} massive green w/ cc bands
L		38	7		43	7	13 5B8
L		43	7		46	2	14 5D3 as unit 12
L		46	2		50	5	15 5B8 as unit 13
L		50	5		57	3	16 5D3 → 5D4 buff-orange, v. gradational loss of chlor. locally banded possibly w/ more siliceous layers
L		57	3		59	2	17 5B7 <u>FAULT: gouge, broken + fractured core, sfd (py) @ 57.9</u>
							white clay alteration, local relitt 5B
L		59	2		61	0	18 5B6



DDH: FAGU154 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1109 592156E ; 905100N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 478.6 Z = 1109.0
 SECTION NAME: 80W



DDH: FAGU154 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1109 592156E ; 905100N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 478.6 Z = 1109.0

SECTION NAME: 80W

76 U 156

DRILL HOLE : FAGU156
NORTHING : 905,100.1
EASTING : 592,155.4
ELEVATION : 1,105.6
TOTAL DEPTH : 76.2
SECTION : W 80
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 14
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 33
NOS DOWN-H-STRUCTURE: 26
NOS DOWN-H-FAULTS: 2
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DOH: FAGU156 UTM-N: 905,100.1 UTM-E: 592,155.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	ASSAYS					S.G. W.R.			
FRCM	TO											PO %	PY %	TOT FE	BAO %	HG %		MN %	AS %	BA %
2.9	6.1	08401	3.2	3.2	4L24	2.97	.08	2.40	3.00	36.00		.62								1
6.1	7.2	08402	1.1	.8	5D4*9	2.91	.01	.69	.99	12.00		.21	2							2
7.2	9.1	08403	1.9	1.9	4L14	3.04	.05	1.02	1.90	17.00		.62	1	2						4
15.2	17.4	08404	2.2	1.9	4A1	2.93	.05	1.31	1.57	24.00		.96	1	1						3
17.4	19.7	08405	2.3	2.3	4A1	3.02	.08	2.09	1.72	41.00		.69	2	3						5
47.3	48.7	08406	1.4	1.1	4L1	2.98	.09	.29	.38	7.00	10.00	2.40	2	4						7
48.7	51.0	08407	2.3	2.3	4A4	3.73	.27	2.60	3.40	42.00		1.65		7						8
51.0	53.2	08408	2.2	2.2	4A0	3.57	.18	1.14	1.20	36.00		1.03	1	21						22
53.2	55.2	08409	2.0	1.9	4E46*	4.61	.21	3.30	4.90	58.00		1.58	1	34						35
55.2	57.0	08410	1.8	1.4	4E46*	4.76	.23	6.80	7.80	87.00		1.58	1	30						31
57.0	59.0	08411	2.0	2.0	4K4	4.21	.30	5.10	7.70	96.00		1.58	2	23						25
59.0	62.1	08412	3.1	3.1	4G4*	4.64	.15	4.50	3.40	82.00		1.37		21						22
62.1	63.9	08413	1.8	1.8	4E64	4.61	.25	4.70	7.30	97.00		1.58	1	29						30
63.9	65.4	9C264	1.5	.0	5A6			1.65	2.88		38.40									

WEIGHTED AVERAGE

2.9	9.1		6.2	5.9		2.98	.05	1.67	2.30	25.91		.54	1	1						2
15.2	19.7		4.5	4.2		2.97	.06	1.70	1.64	32.68		.82	1	2						4
47.3	55.4		18.1	15.8		3.83	.19	3.47	5.17	59.61	3.95	1.41	1	19						21

14JUL83 GRUM

DOWN-HOLE SURVEYS (DHD20)

DDH: FAGU156 UTM-N: 905,100.1 UTM-E: 592,155.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: FAGU156 UTM-N: 905,100.1 UTM-E: 592,155.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 76.2 SECTION: W 80
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.1	0001	4L412	->434	0.0	1
7.2	0002	504*	9	0.0	1
9.1	0003	4L14	->4B	0.0	1
15.2	0004	5B6	[3G0]	0.0	1
19.7	0005	5B69	->4A1 PHYLLITIC	0.0	1
36.9	0006	5B68	2 [3G]	0.0	1
38.0	0007	4L0	87	0.0	1
39.1	0008	5B62	[3G]	0.0	1
39.5	0009	4A1		0.0	1
41.1	0010	5C*		0.0	1
42.4	0011	4L0	32 37	0.0	1
43.3	0012	5C*		0.0	1
44.1	0013	506		0.0	1
44.8	0014	5C*		0.0	1
45.8	0015	4L0	87	0.0	1
46.5	0016	500		0.0	1
47.3	0017	5C*4		0.0	1
48.7	0018	4L1	->4L142	0.0	1
53.2	0019	4A0	->4A4	0.0	1
57.0	0020	4E4#	6 ->(4K4)	0.0	1
57.9	0021	4K4	BXA	0.0	1
58.7	0022	4G4*	->4E4 POROUS	0.0	1
59.0	0023	4K4		0.0	1
59.4	0024	4G4		0.0	1
59.6	0025	4E4		0.0	1
62.1	0026	4G4*		0.0	1
63.9	0027	4E4	(4G4) 60:40	0.0	1
64.2	0028	1000		0.0	1
65.2	0029	5A6		0.0	1
65.5	0030	4G471		0.0	1
69.2	0031	5AC		0.0	1
69.6	0032	506		0.0	1
76.2	0033	5A0		0.0	1

DDH: FAGU156 UTM-N: 905,100.1 UTM-E: 592,155.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 76.2 SECTION: W 80
 RFE: S2 RFE DIP: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SC	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU156	0.0	4.4	CS2			0	0	0	0	62	230	C	1	0	0	0	0	0
FAGU156	0.0	8.7	CS2			0	0	0	C	60	230	0	1	0	0	0	0	0
FAGU156	0.0	12.0	CS2			0	0	0	C	60	230	0	1	0	0	0	0	0
FAGU156	0.0	16.5	CS2			0	0	0	C	63	230	0	1	0	0	0	0	0
FAGU156	0.1	16.8	CS2	M		0	0	0	0	0	0	0	1	0	0	0	0	0
FAGU156	0.0	21.3	CS2			0	0	0	C	57	230	C	1	0	0	0	0	0
FAGU156	0.0	26.1	CS2			0	0	0	0	75	230	C	1	0	0	0	0	0
FAGU156	0.0	31.1	CS2			0	0	0	0	72	230	C	1	0	0	0	0	0
FAGU156	0.0	35.1	CS2			0	0	0	0	65	230	C	1	0	0	0	0	0
FAGU156	15.8	37.4	CS2	S		0	0	0	0	0	0	C	1	0	0	0	0	0
FAGU156	0.0	37.7	CS2			0	0	0	0	70	230	0	1	0	0	0	0	0
FAGU156	37.4	39.2	CS2	Z		0	0	0	0	0	0	0	1	0	0	0	0	0
FAGU156	0.0	42.5	CS2			0	0	0	0	79	230	C	1	0	0	0	0	0
FAGU156	38.2	43.8	CS2	S		0	0	0	0	0	0	0	1	0	0	0	0	0
FAGU156	43.8	44.3	CS2	Z		0	0	0	0	0	0	0	1	0	0	0	0	0
FAGU156	0.0	45.0	CS2			0	0	0	0	61	230	0	1	0	0	0	0	0
FAGU156	44.3	45.8	CS2	S		0	0	0	C	0	0	0	1	0	0	0	0	0
FAGU156	0.0	47.1	PS2			0	0	0	0	66	230	0	1	0	0	0	0	0
FAGU156	0.0	52.3	PS2			0	0	0	C	65	230	0	1	0	0	0	0	0
FAGU156	45.8	65.5	PS2	P		0	0	0	C	0	0	0	1	0	0	0	0	0
FAGU156	0.0	65.6	CS2			0	0	0	0	66	230	C	1	0	0	0	0	0
FAGU156	0.0	68.1	CS2			0	0	0	0	67	230	C	1	0	0	0	0	0
FAGU156	65.5	69.0	CS2	Z		0	0	0	0	0	0	0	1	0	0	0	0	0
FAGU156	0.0	72.6	CS2			0	0	0	0	60	230	0	1	0	0	0	0	0
FAGU156	0.0	75.7	CS2			0	0	C	C	63	230	C	1	0	0	0	0	0
FAGU156	69.0	76.2	CS2	S		0	0	0	0	0	0	0	1	0	0	0	0	0

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DOWN-HOLE FAULTS (DH020)

PAGE: 41

DDH: FAGU156 UTM-N: 905,100.1 UTM-E: 592,155.4 UTM-ELEV: 1,105.6 TOTAL DEPTH: 76.2 SECTION: W 80
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FAGU156	57.0	57.0	D?				0	0	0	3	1
FAGU156	74.0	76.2	B?				0	0	0	3	1

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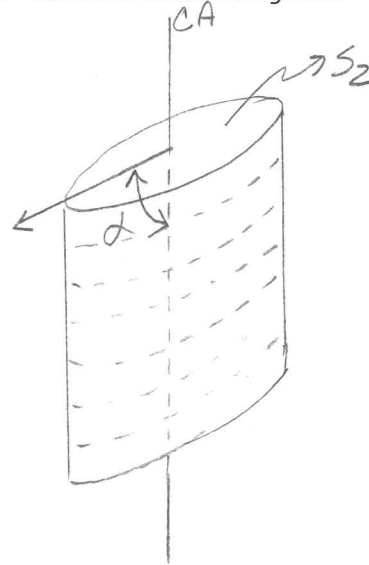
DIAMOND DRILL CORE LOG

Hole Number: 76-U156

Fabric Orientation Diagram:

Project: Grum Releg

Location: Vangorda Plateau



Claim: _____

UTM ~~Terr. Plane~~
Co-ords.: 6 905100.1 N

592 155.4 E

Grid
Co-ords.: 80W / 3N

All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth 230.

Elevation: 1105.64

Total Depth: 76.2 m

Purpose: _____

Re
Logged by: JSM Date(s) Logged: 7/4/80 - 7/5/80

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

BQ 0 76.2

Started: Aug 25, 1976 Completed: Aug 26, 1976

Lithologic Log

Logged By: JSM
Checked: [Signature]

Code	From	To	Unit	Code	Description
	10 14 16 20 22 23 25 27				
L	29	61	1	4L4	1 → 4B4 5-40% white mica, 5-10% sfd, <5% py, 5-6% PbZn ^{red} sphal, gal
L	61	72	2	5D4	altered 5D buff w/ mariposite minor sulfides 5D4*9
L	72	91	3	4L1	→ 4B 2.5-3.5% PbZn as unit 1 w/ less sfd
L	91	152	4	5B16	(or 3G0) qtz veins, minor py
L	152	197	5	5B16	9 < 5% PbZn (KA didn't assay) → 4A1 but grey mica rather than graphite i.e. 4A1 phyllitic
L	197	369	6	5B16	82 (or 3G) minor carbon, grass-green chlorite (unlike usual 5B8), minor biotite, minor po blebs and laminae, qtz veins ~ 2"
L	369	380	7	4L0	white mica bleaching of unit 6, minor po, qtz veins ~ 2"
L	380	391	8	5B16	2 (or 3G)
L	391	395	9	4A1	sfd poor
L	395	411	10	5D3	^{C*} ^{not} mottled texture, CO ₃ ⁼ is buff, weakly calcareous (ank?)
L	411	422	11	4L0	minor py + po (both // S ₂ & fracture fills) interbd of 5D mottled + massive @ 41.6-41.7
L	422	433	12	5D3	^{C*} ^{not} mottled as unit 10
L	433	441	13	5D3	massive green w/ laminae of buff CO ₃ ⁼ weakly calc (ank?)
L	441	448	14	5D3	^{C*} ^{not} mottled as 10, 12
L	448	458	15	4L0	minor po // S ₂
L	458	465	16	5D3	weakly calc (cc); massive green, minor dissem py
L	465	473	17	5D3	^{C*} ^{not} mottled as 10, 12, 14 Note chlor. → mariposite blebs
L	473	487	18	4L1	w/ minor sfd: py sphal gal, ~3% PbZn ⇒ 4L14
L	487	532	19	4A0	→ 4A4 w/ ~6% PbZn 50.3-51.8, elsewhere 1-3% PbZn red sphal + galena
L	532	570	20	4E4	*6 10-15% PbZn honey sphal + galena note scattered patches of buff carbonate → 4KA @ 54.6, + 56.9
L	570	579	21	4K4	12-15% PbZn bxia-like clasts of mass. py in buff CO ₃ ⁼ w/ galena + orange-red sphal filling interstices + fractures.
L	579	587	22	4G4	→ 4E4 @ TOL. note barite leached (porous ore) from center of interval. ^{some barytocoarctite} 16% PbZn (57.9-58.4) honey sphal + gal
L	587	590	23	4K4	as unit 21
L	590	594	24	4G4	10-15% Barite ~16% PbZn honey sphal + gal; no barytocoarctite
L	594	596	25	4E4	~5% PbZn (?) bands of honey sphal + gal
L	596	621	26	4G4	10-40% Barite 10-12% PbZn honey sphal + gal; scattered barytocoarctite; dominantly non-calc.

4.5

.9

.8

.5

.4


.2

59.0-63.9

Lithologic Log

Code	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
L	62	1	63	9	2.7	4EIG	4		40% 4G4 60% 4EA ~12% PbZn honey to orange sphal, gal, 4L parting @ 62.6
L	63	9	64	2	2.8	0.9.10			CO ₃ + Qtz w/ minor py
L	64	2	65	2	2.9	5A.6			
L	65	2	65	5	3.0	4G.4			→ 4G.47 po replace py, ~30% Qtz, 5+% PbZn red sphal + gal
L	65	5	69	2	3.1	5A.3			minor calc
L	69	2	69	6	3.2	5D.6			massive green w/ rusty bands (Fe(O ₃ ?). Sharp ctcs
L	69	6	76	2	3.3	5A.3			minor calc, Qtz veins, + irreg CO ₃ veins, interbeds of 5D6
									@ 72.1 - 72.3, + 72.8, minor py
									highly fractured 7A.0 - EDH

Correction
4G47

Code	From		To		Feature	S ₁ Dip	S ₁ Direct.	S ₂ Dip	S ₂ Direct.	Description
	10	14	16	20						
										M region 0-16.8
S				14.4	C/SZ			6.2	2310	SEZ SE ZSSM 55% S
S				18.7	C/SZ			6.0	2310	note split core @ TOI obs. difficult
S				112.0	C/SZ			6.0	2310	
S				116.6	C/SZ			6.3	2310	
S				116.8	F12 M					S region 16.8-37.4
S				121.3	C/SZ			5.7	2310	1 st φ closure @ 28.2
S				126.1	C/SZ			7.5	2310	S on Z? 
S				131.1	C/SZ			7.2	2310	
S				135.1	C/SZ			6.5	2310	
S				137.4	F12 E					Z region 37.4-38.2
S				137.7	C/SZ			7.0	2310	
S				138.2	F12 Z					S region 38.2-43.8
S				142.5	C/SZ			7.9	2310	
S				143.8	F12 E					Z region 43.8-44.3
S				144.3	F12 Z					S region 44.3-45.8
S				145.0	C/SZ			6.1	2310	
S				145.8	F12 S					R region 45.8-65.5
S				147.1	P/SZ			6.6	2310	SD split sfs
S				152.3	P/SZ			6.5	2310	→ 4A comp. banding in 4G = 65°
S				165.5	F12 R					Z region 65.5-69.0
S				165.6	C/SZ			6.6	2310	
S				168.1	C/SZ			6.7	2310	
S				169.0	F12 Z					S region 69.0-EDH
S				172.6	C/SZ			6.0	2310	
S				175.7	C/SZ			6.3	2310	
S				176.2	F12 S					EDH

DDH FAG.4.15.6
2 Meters 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From			To			Feature	S ₁ E	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24			26	28	32	34	38	40	
F	570			579	D?										
F	74			762	B?										

DIAMOND DRILL RECORD

 LOGGED BY ALEXANDER YOUNG-PO

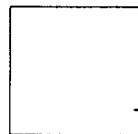
 D.D.H. No 76-U-156 PAGE 1

 PROPERTY GRUM JOINT VENTURE

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR		-90°

 LATITUDE 10,879.563 80W STARTED AUGUST 25, 1976

 DEPARTURE 7,465.076 80 X-CUT
3N + 11m COMPLETED AUGUST 26, 1976

 ELEVATION 1,116.254 PROPOSED DEPTH 76.2m
 ULTIMATE DEPTH 76.2m


CLAIM No _____

 DIRECTION AND DISTANCE
 FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 90.6%

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
0	9.1	QUARTZ-SULFIDE (P). Competent. Very siliceous ground 15 6	1.6	4662	0	4.6	4.6	2.68	2.59	32.23				12.33	11.91	148.26
		mass. F = 75-85°; F = 0-10°. Sulfides // mostly in 10 6	1.4	4663	4.6	6.1	1.5	1.80	2.83	22.29				2.70	4.25	33.44
		F. Short bleached phyllite intervals. 10 4	1.3	4664	6.1	7.6	1.5	1.30	2.00	16.11				1.95	3.00	24.17
		6.1-6.3: Bleached phyllite. Buff with prominent 15 6	1.4	4665	7.6	9.1	1.5	0.98	1.68	10.97				1.47	2.52	16.46
		fuchsite laminae. F = 90°; F = 0-5° with F 2 1														
		fold nose. Contacts sharp and clean = 85°. 1		W.Av.	0	6.1	6.1	2.46	2.65	29.79				15.03	16.16	181.70
		6.6-7.0: Bleached phyllite. Similar to preceding described		W.Av.	6.1	9.3	3.0	1.14	1.84	13.54				3.42	5.52	40.63
		interval (could be the same band going or folding														
		in-and-out.)														
		9.1: Gradual change to Sericite phyllite with trace graphite														
		(S+G).														
		NOTE: Above run characterized by small F fold noses. 1														
9.1	39.6	SERICITE PHYLITE WITH TRACE GRAPHITE (S+G). Short, blocky	29.2		9.1	39.6	30.5									
		core from flakes to 3cm long. F = 75-80°; F = 0-5°. 2 1														
		Trace calcite usually marking shallow - S F folds. 1														
		18.3-19.8: Mineralized interval. Py: 5%, PbZn: 1%			(18.3	19.8)		← 1 Pz	Est.							

DDH: FAGU156 -- 42 DEGREE PROFILE

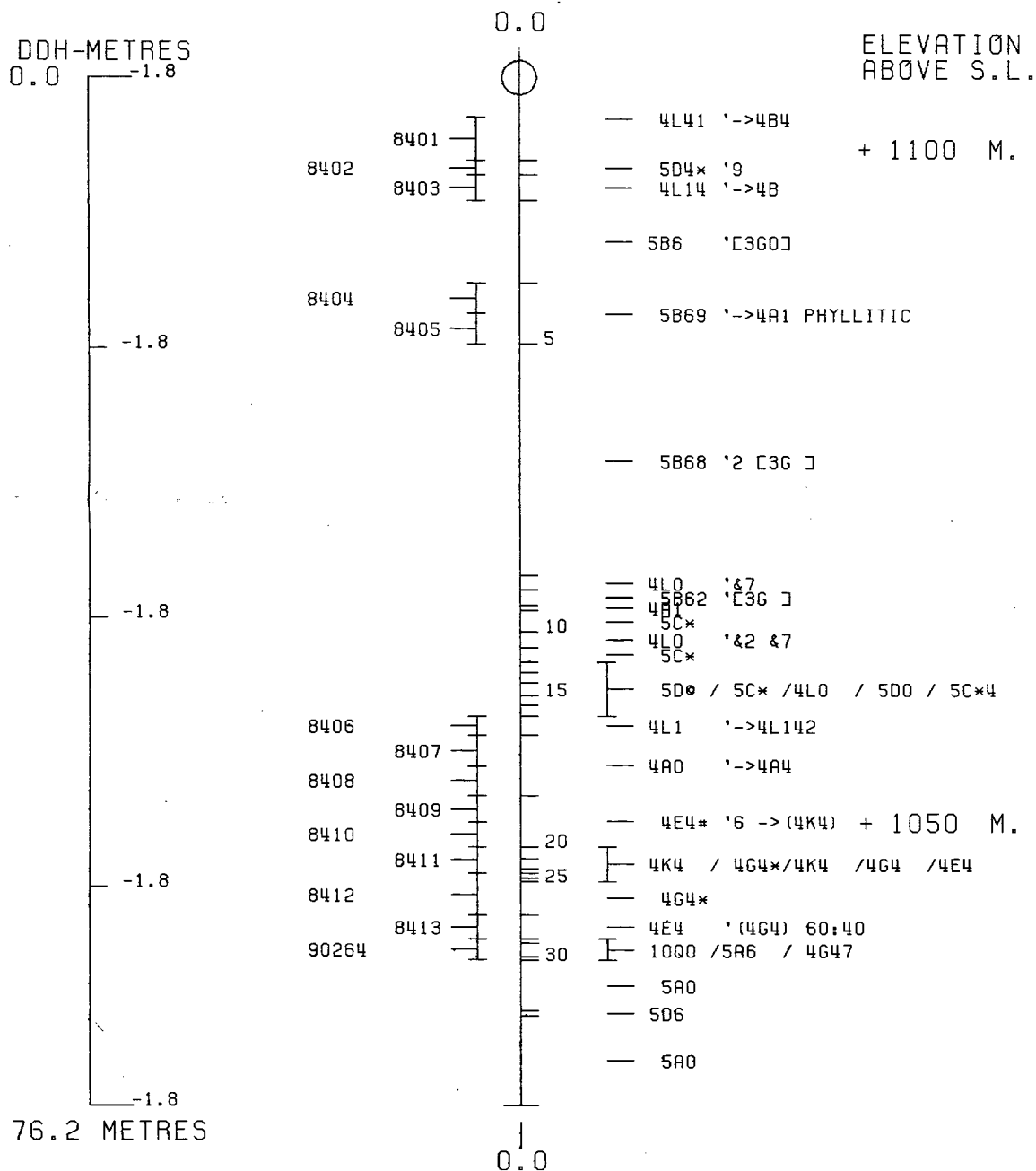
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1106 592155E ; 905100N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 478.5 Z = 1105.3

SECTION NAME: 80W



DDH: FAGU156 -- 42 DEGREE PROFILE

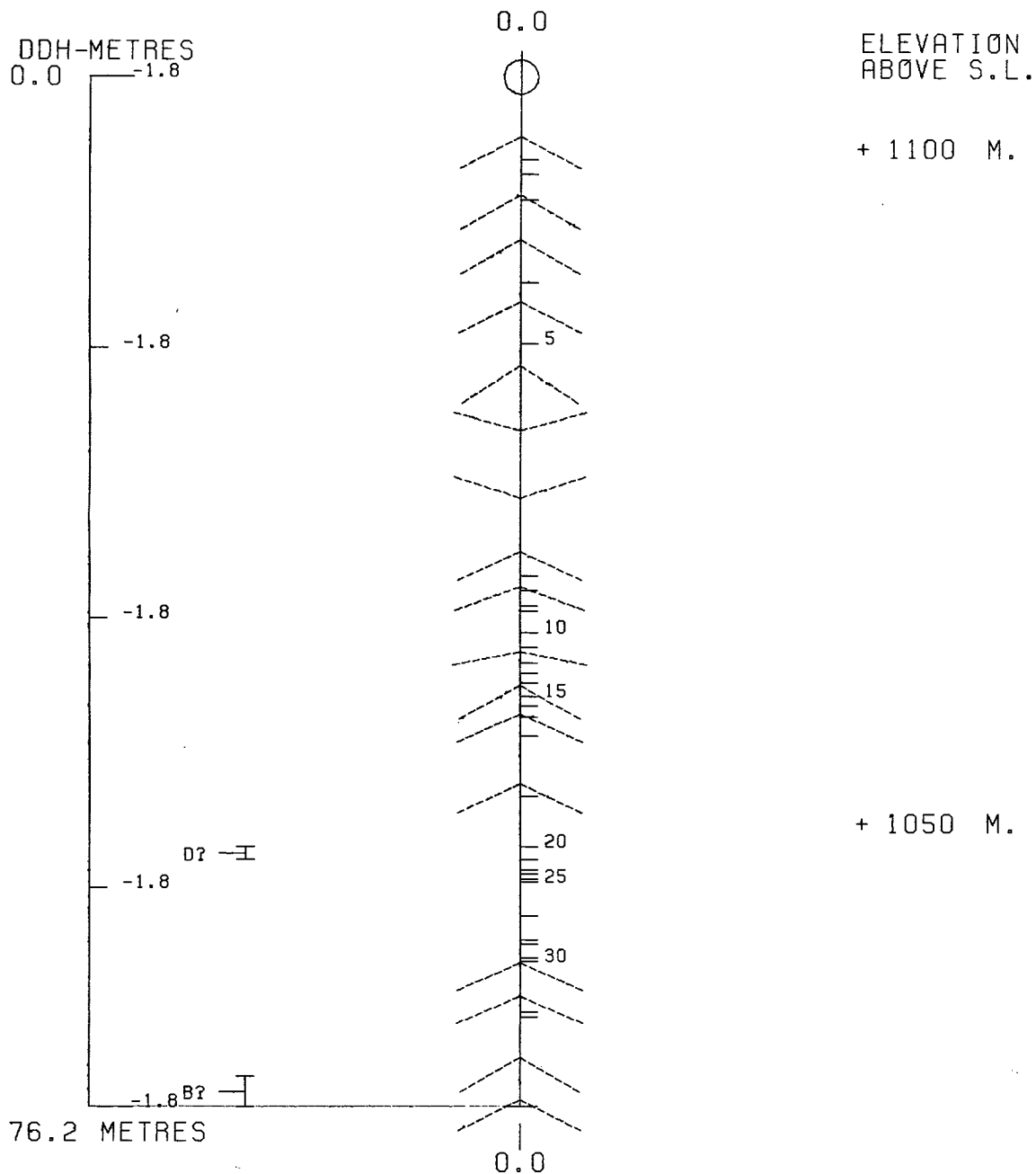
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1106 592155E ; 905100N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 478.5 Z = 1105.3

SECTION NAME: 80W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 30 JAN 1985 4:26 PM

