

Grum
Section 70W
3 of 3

014995

DRILL HOLE : FAGU131
NORTHING : 904,863.0
EASTING : 592,346.8
ELEVATION : 1,151.2
TOTAL DEPTH : 45.7
SECTION : W 70
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
CHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 5
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 24
NOS DOWN-H-STRUCTURE: 11
NOS DOWN-H-FAULTS: 3
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU131 UTM-N: 904263.0 UTM-E: 592346.2 UTM-ELEV: 12151.2 TOTAL DEPTH: 45.7 SECTION: w 73
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	---ASSAYS---							S.G. W.R.		
FROM	TO										AL(FA) G/MT	PO %	PY %	TCT FE	BAO %	HG %	MN %		AS %	BA %
.5	1.5	11096	1.0	.5	4G4	4.67	.09	3.80	6.70	80.00	1.03		23	23						
1.5	3.2	11097	1.7	1.0	4GE#	4.75	.11	4.70	9.40	89.00	.96	1	19	20						
3.2	4.6	11098	1.4	1.4	4G4	4.51	.08	4.40	8.40	105.00	.82		11	12						
4.6	5.5	11099	.5	.9	4E4	4.64	.22	5.70	10.50	109.00	1.23	3	28	32						
15.3	16.8	11100	1.5	1.0	4EGD	4.20	.17	5.10	7.50	89.00	1.58	2	21	23						
WEIGHTED AVERAGE																				
.5	5.5		5.0	3.0		4.64	.11	4.61	8.77	95.28	.98	1	19	21						
15.3	16.8		1.5	1.0		4.20	.17	5.10	7.50	89.00	1.58	2	21	23						

UTM-N: 001,027.0 UTM-E: 592,346.8 UTM-ELEV: 1,151.2 TOTAL DEPTH: 45.7 SECTION: W 70
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	90.900	225.500

DD-N-HOLE LITHOLOGY (DHO20)

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DDH: FACH134 UTM-N: 904,863.0 UTM-E: 592,346.8 UTM-ELEV: 1,151.2 TOTAL DEPTH: 45.7 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 .312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
0.8	OC01	#		0.5-	1
2.9	OC02	4G4	(4E0)	0.5-	1
3.2	OC03	4EC#		0.5-	1
4.6	OC04	4G4		0.5-	1
5.5	OC05	4E4	PCROUS	0.5-	1
13.1	OC06	5A19	3 -> 4A0 (10Q0) (4L0)	0.5-	1
13.5	OC07	10QC		0.5-	1
15.3	OC08	5B26	3	0.5-	1
16.0	OC09	4G4	BXA (4E CLASTS)	0.5-	1
16.8	OC10	4EC	(4D0) (5D4*)	0.5-	1
17.0	OC11	5D4*		0.5-	1
17.5	OC12	4CC	(4E0) (10Q0) (4LC)	0.5-	1
18.3	OC13	5B62	3 -> 5A0	0.5-	1
18.4	OC14	4C0		0.5-	1
23.7	OC15	5B62	3	0.5-	1
24.3	OC16	5B26	3	0.5-	1
31.6	OC17	5B26	3 -> 5A0	0.5-	1
32.1	OC18	5D4		0.5-	1
34.0	OC19	5B26	3	0.5-	1
34.2	OC20	4L24		0.5-	1
41.1	OC21	5B26	3	0.5-	1
43.7	OC22	4LC		0.5-	1
44.8	OC23	4LC		0.5-	1
45.7	OC24	4L5\$	[5D4\$]	0.5-	1

UTM-N: 071,067.0 UTM-E: 592,346.8 UTM-ELEV: 1,151.2 TOTAL DEPTH: 45.7 SECTION: W 70
 DEE: S2 RFE DTR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU131	0.0	1.4	PS2	P	0	0	0	0	25	230	0		1	1	1
FAGU131	0.0	6.3	PS2		0	0	0	0	25	230	0		1	1	1
FAGU131	0.0	9.0	CS2	Z	0	0	0	0	5	230	0		1	1	1
FAGU131	0.0	14.7	CS2	Z	0	0	0	0	20	230	0		1	1	1
FAGU131	0.0	21.0	CS2	Z	0	0	0	0	10	230	0		1	1	1
FAGU131	0.0	24.9	CS2	Z	0	0	0	0	25	230	0		1	1	1
FAGU131	0.0	27.3	CS2	Z	0	0	0	0	20	230	0		1	1	1
FAGU131	0.0	33.2	CS2	Z	0	0	0	0	15	230	0		1	1	1
FAGU131	0.0	35.6	CS2	Z	0	0	0	0	20	230	0		1	1	1
FAGU131	0.0	39.4	CS2	Z	0	0	0	0	20	230	0		1	1	1
FAGU131	0.0	41.4	CS2	Z	0	0	0	0	15	230	0		1	1	1

DOWN-HOLE FAULTS (DH020)

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DDH: FAGU131 UTM-N: 904,063.0 UTM-E: 592,346.8 UTM-ELEV: 1,151.2 TOTAL DEPTH: 45.7 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DFD		
FAGU131	18.3	18.4	G				0	0	0	0	1	
FAGU131	23.7	24.3	G				35	70	0	15	0	1
FAGU131	43.7	44.8	G				0	0	0	0	0	1

REF: S7 RFF DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1
UTM-N: 592,346.8 UTM-ELEV: 1,151.2 TOTAL DEPTH: 45.7 SECTION: W 70

NDH SEGMENT NOS COND INDICATOR

FAGU131 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU 131

Fabric Orientation Diagram:

Project: Grum Re-log

Location: Section 70W

Claim: _____

UTM
Terr. Plane

Co-ords.: 6904863.0 N

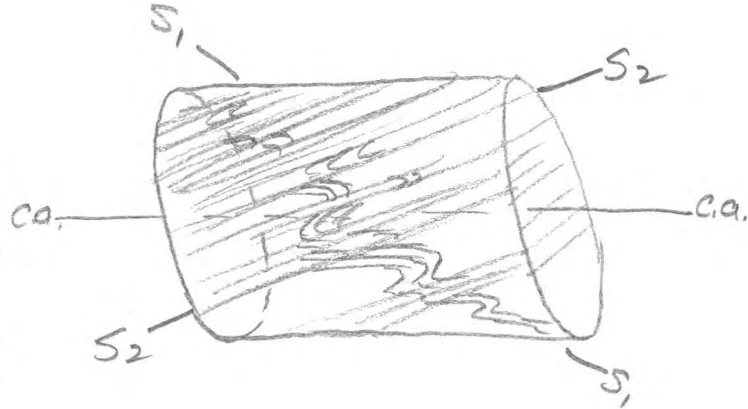
*conversion
of K-A surveyed
grid co-ords*

592346.8 E

Grid
Co-ords.: 70W

2 N

Elevation: 1151.2 M



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230°.

Total Depth: 45.7M

Purpose: Definition Drilling

Logged by: DSJ/JGS

Date(s) Logged: 24 Aug 81

Drilling Contractor: Cameron McCutcheon Core: Size From To Collar Cased and Capped: No

BQ 0 45.7

Started: 25 July '76 Completed: 24 July '76

DDH: FAGU131 -- 42 DEGREE PROFILE

(VIEW, AZIMUTH = 312, DEGREES)

ELEV: 1151 592347E ; 904863N

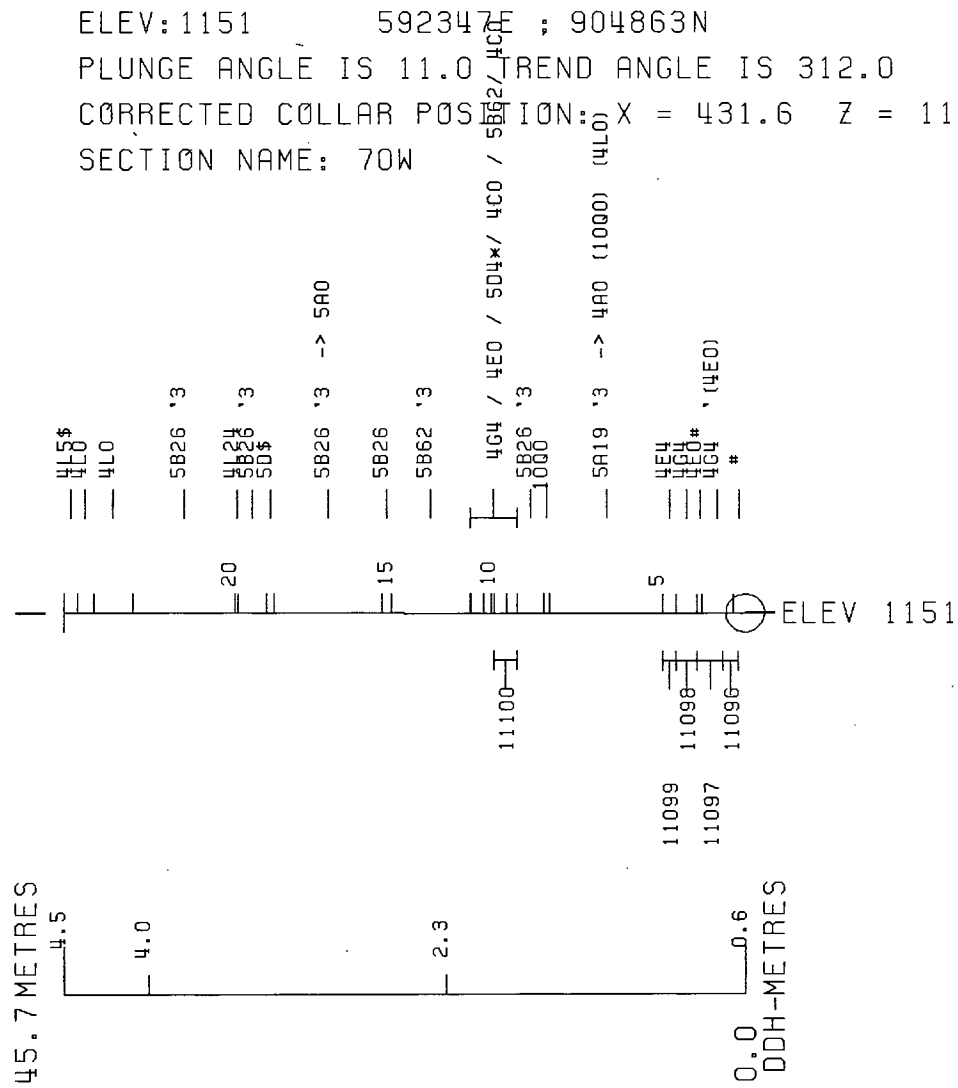
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 431.6 Z = 1151.3

SECTION NAME: 70W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 2 OCT 1984 11:31 AM



DDH: FAGU131 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1151 592347E ; 904863N

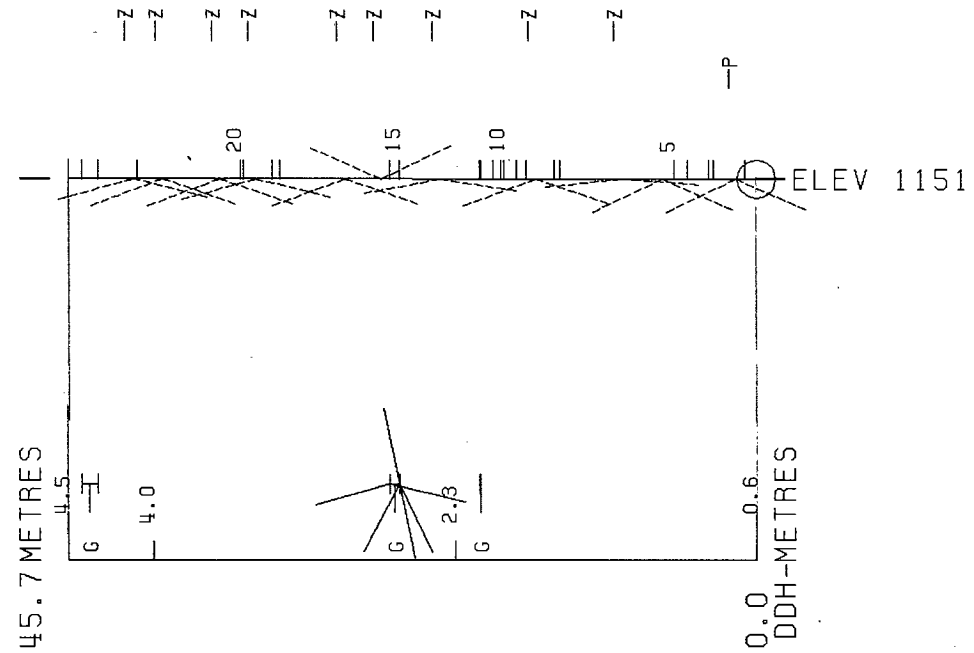
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 431.6 Z = 1151.3

SECTION NAME: .70W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 2 OCT 1984 11:38 AM



FAGU 133

DRILL HOLE : FAGU133
NORTHING : 904,865.6
EASTING : 592,349.3
ELEVATION : 1,149.9
TOTAL DEPTH : 126.5
SECTION : W 70
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 23
NOS DOWN-H-SURVEYS: 2
NOS DOWN-H-LITHOLOGY: 80
NOS DOWN-H-STRUCTURE: 27
NOS DOWN-H-FAULTS: 19
NOS DOWN-H-SPLINES: 2
NOS COMPOSITES: 0

DDH: FAGU133 UTM-N: 9C4,265.6 UTM-E: 592,349.3 UTM-ELEV: 1,149.9 TOTAL DEPTH: 124.5 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

---DEPTHS---		-----ASSAYS-----																		
FROM	TO	SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	3.0	09898	3.0	1.3	4GE4	4.88	.19	4.60	8.30	85.00		1.23	2	23	25					
3.0	5.0	09899	2.0	2.0	4EG4	5.03	.07	4.30	8.80	87.00		.62	1	12	13					
5.0	7.0	09900	2.0	2.0	4GE4	4.84	.11	3.90	7.90	73.00		.48	1	16	18					
7.0	8.5	11101	1.5	1.5	4GE4	5.19	.08	4.70	9.10	84.00		.96		14	15					
8.5	10.2	11102	1.7	1.7	4E4	4.94	.14	5.90	9.70	116.00	100.00	1.51	2	31	33					
10.2	12.1	11103	1.9	1.9	4G4	4.64	.15	5.30	8.90	94.00		.96		29	30					
12.1	14.5	11104	2.4	2.4	4E46	5.13	.14	2.30	4.40	70.00		.75		34	34					
14.5	16.3	11105	1.8	1.8	4G4	4.64	.08	3.40	7.50	63.00		.75		22	23					
16.3	18.2	11106	1.9	1.9	4EKG	4.50	.26	4.80	6.70	113.00		1.44	1	29	30					
47.3	49.3	11107	2.0	2.0	4DA4	3.56	.08	10.00	19.00	152.00		1.51	2	7	9					
49.3	51.3	11108	2.0	2.0	4DA4	3.74	.06	9.20	17.70	151.00		1.44	3	8	12					
51.3	53.1	11109	1.8	1.8	4DA4	3.57	.08	8.20	14.60	131.00		1.58	3	8	11					
54.5	56.0	11110	1.5	1.5	4DA4	3.54	.26	5.00	5.70	89.00		2.13	1	18	20					
56.0	57.3	11111	1.3	1.3	4E4	4.17	.23	2.30	4.90	45.00		1.17	2	30	33					
57.3	59.2	11112	1.9	1.9	4A4	3.83	.08	4.10	8.60	68.00	70.00	1.30	2	15	18					
59.2	61.2	11113	2.0	1.9	4A0	3.41	.21	1.00	2.50	23.00		.75	1	13	19					
61.2	63.3	11114	2.1	2.1	4A0	3.12	.16	.17	1.12	12.00		.41	1	13	14					
63.3	64.0	11115	.7	.5	4E0	3.55	.13	1.66	2.50	27.00		.21	6	13	20					
64.0	67.1	11116	3.1	2.3	4A0	3.23	.43	.14	.87	19.00		.41	1	13	14					
67.1	70.0	11117	2.9	2.3	4A0		.20	.18	.80	16.00										
93.0	96.3	11118	3.3	3.0	4EL	4.07	.48	.26	2.60	23.00		.48	2	33	35					
114.3	115.8	11119	1.5	1.5	4G4	4.12	.18	6.20	8.40	106.00		1.51	2	12	14					
115.8	117.6	11120	1.8	1.8	4EG8	5.56	.21	2.80	3.10	41.00		.75	5	26	31					
WEIGHTED AVERAGE																				
.0	18.2		18.2	16.5		4.86	.13	4.29	7.80	86.42	9.34	.96	1	23	25					
47.3	53.1		5.8	5.8		3.62	.07	9.16	17.18	145.13		1.50	2	8	11					
54.5	70.0		15.5	13.8		2.83	.23	1.46	2.92	33.32	8.58	.70	1	13	15					
93.0	96.3		3.3	3.0		4.07	.48	.26	2.60	23.00		.48	2	33	35					
114.3	117.6		3.3	3.3		4.90	.19	4.34	5.50	70.54		1.09	3	20	23					

DDH: FAGU133 UTM-N: 904,865.6 UTM-E: 592,349.3 UTM-ELEV: 1,149.9 TOTAL DEPTH: 126.5 SECTION: W 70
RFE: S2 RFE DIP: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	150.000	44.000
103.600	155.000	55.000

DDH: FAGU133 UTM-N: 904,865.6 UTM-E: 592,349.3 UTM-ELEV: 1,149.9 TOTAL DEPTH: 126.5 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.5	0001	4G4	(4E4)	0.5-	1
10.0	0002	4E4		0.5-	1
10.2	0003	5043		0.5-	1
12.1	0004	4G4		0.5-	1
14.5	0005	4E46		0.5-	1
14.9	0006	4G4		0.5-	1
15.3	0007	4E46		0.5-	1
16.3	0008	4G4		0.5-	1
17.0	0009	4E46		0.5-	1
17.3	0010	4G4		0.5-	1
18.2	0011	4K4		0.5-	1
20.5	0012	5A0		0.5-	1
20.7	0013	5A0		0.5-	1
21.3	0014	5AC		0.5-	1
21.7	0015	4EC	[4EL#]	0.5-	1
22.1	0016	5D43		0.5-	1
23.5	0017	5ACS		0.5-	1
24.5	0018	5D43		0.5-	1
25.7	0019	5B62		0.5-	1
26.5	0020	4L2	BXA	0.5-	1
26.9	0021	5B62	(10QC)	0.5-	1
27.1	0022	5B62		0.5-	1
28.9	0023	4LC		0.5-	1
29.0	0024	4LC		0.5-	1
30.9	0025	5B6	(5B62)	0.5-	1
31.2	0026	5B6		0.5-	1
31.5	0027	5B26		0.5-	1
31.7	0028	5B6		0.5-	1
32.4	0029	5B62		0.5-	1
32.9	0030	5B62		0.5-	1
47.0	0031	5B62		0.5-	1
47.3	0032	4L0	(10QC)	0.5-	1
53.1	0033	4D4	(4A4)	0.5-	1
53.3	0034	4L0		0.5-	1
54.5	0035	5B62		0.5-	1
56.0	0036	4D4	(4A4) (4CC)	0.5-	1
56.4	0037	4C0		0.5-	1
57.3	0038	4E4	BXA	0.5-	1
59.2	0039	4A4	BXA	0.5-	1
63.3	0040	4AC	BXA	0.5-	1
64.0	0041	4EC	BXA	0.5-	1
70.0	0042	4A0	BXA	0.5-	1
71.6	0043	5B6		0.5-	1
72.1	0044	5B62		0.5-	1
72.3	0045	5B62		0.5-	1
72.7	0046	5B6		0.5-	1
73.0	0047	5B62		0.5-	1
73.3	0048	5B62		0.5-	1
74.4	0049	5B6		0.5-	1
76.8	0050	5B62		0.5-	1
77.7	0051	10QC	(4L4)	0.5-	1

DWH. FACU133 UTM-N: 904,805.6 UTM-E: 592,349.3 UTM-ELEV: 1,149.9 TOTAL DEPTH: 126.5 SECTION: W 70
 RFE: S2 RFE DIR: 250 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
77.8	OC52	5B62		0.5-	1
77.9	OC53	5B6		0.5-	1
81.6	OC54	5B6	(5B62)	0.5-	1
82.0	OC55	4LC		0.5-	1
86.7	OC56	5B62	(5B6 82 84)	0.5-	1
87.3	OC57	4LC		0.5-	1
88.3	OC58	5B6		0.5-	1
88.6	OC59	4L2		0.5-	1
88.9	OC60	5B6		0.5-	1
91.0	OC61	4LC		0.5-	1
93.6	OC62	4L42		0.5-	1
94.0	OC63	4E4		0.5-	1
95.8	OC64	4L42		0.5-	1
96.3	OC65	4LC		0.5-	1
99.1	OC66	5B64		0.5-	1
99.6	OC67	5B6		0.5-	1
101.0	OC68	5B6		0.5-	1
101.3	OC69	5B6	(10Q0)	0.5-	1
101.7	OC70	5B6		0.5-	1
101.8	OC71	5B6		0.5-	1
102.6	OC72	5B6		0.5-	1
103.1	OC73	5B63	# WEAK	0.5-	1
103.4	OC74	5B6		0.5-	1
105.0	OC75	5B6		0.5-	1
114.3	OC76	4L24		0.5-	1
115.3	OC77	4G4		0.5-	1
116.5	OC78	4E84		0.5-	1
117.6	OC79	4GC		0.5-	1
126.5	OC80	4L2		0.5-	1

DLH: FAGU133 UTM-N: 904,865.6 UTM-E: 592,349.3 UTM-ELEV: 1,149.0 TOTAL DEPTH: 124.5 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SO ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU133	0.0	3.7	PS2	P	C	C	C	C	55	50	C		1	1	1
FAGU133	0.0	8.2	PS2	P	C	C	C	C	40	50	C		1	1	1
FAGU133	0.0	16.2	PS2	P	C	C	C	C	40	50	C		1	1	1
FAGU133	0.0	18.7	PS2	P	C	C	C	C	70	50	C		1	1	1
FAGU133	0.0	22.4	CS2	Z	C	C	C	C	35	50	C		1	1	1
FAGU133	0.0	25.3	CS2	Z	C	C	C	C	60	50	C		1	1	1
FAGU133	0.0	29.2	PS2	P	C	C	C	C	85	50	C		1	1	1
FAGU133	0.0	32.4	CS2	Z	C	C	C	C	45	50	C		1	1	1
FAGU133	0.0	35.3	CS2	Z	C	C	C	C	25	50	C		1	1	1
FAGU133	0.0	36.6	CS2	S	C	C	C	C	25	50	C		1	1	1
FAGU133	0.0	39.9	CS2	S	C	C	C	C	65	50	C		1	1	1
FAGU133	0.0	41.5	CS2	Z	C	C	C	C	60	50	C		1	1	1
FAGU133	0.0	46.2	CS2	S	C	C	C	C	40	50	C		1	1	1
FAGU133	0.0	46.7	CS2	Z	C	C	C	C	40	50	C		1	1	1
FAGU133	0.0	49.4	CS2	Z	C	C	C	C	70	50	C		1	1	1
FAGU133	0.0	53.7	CS2	Z	C	C	C	C	55	50	C		1	1	1
FAGU133	0.0	76.5	PS2	P	C	C	C	C	60	50	C		1	1	1
FAGU133	0.0	77.8	CS2	Z	C	C	C	C	60	50	C		1	1	1
FAGU133	0.0	79.7	CS2	Z	C	C	C	C	50	50	C		1	1	1
FAGU133	0.0	86.7	CS2	Z	C	C	C	C	65	50	C		1	1	1
FAGU133	0.0	92.1	CS2	Z	C	C	C	C	60	50	C		1	1	1
FAGU133	0.0	97.8	PS2	P	C	C	C	C	60	50	C		1	1	1
FAGU133	0.0	104.2	PS2	P	C	C	C	C	55	50	C		1	1	1
FAGU133	0.0	111.2	PS2	P	C	C	C	C	80	50	C		1	1	1
FAGU133	0.0	115.0	PS2	P	C	C	C	C	85	50	C		1	1	1
FAGU133	0.0	122.1	CS2	C	C	C	C	C	75	50	C		1	1	1
FAGU133	0.0	124.0	PS2	P	C	C	C	C	70	50	C		1	1	1

CDR: FAGU133 UTM-N: 984,389.6 UTM-E: 592,349.3 UTM-ELEV: 1,149.9 TOTAL DEPTH: 126.5 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FAGU133	20.5	20.7	G				0	0	0	0	1
FAGU133	25.7	26.5	1X				0	0	0	0	1
FAGU133	26.9	27.1	G				0	0	0	0	1
FAGU133	28.9	29.0	G				0	0	45	0	1
FAGU133	30.9	31.2	G				60	60	0	0	1
FAGU133	31.5	31.7	G				40	0	0	0	1
FAGU133	32.4	32.9	BG				0	0	0	0	1
FAGU133	63.0	67.0	P	2			0	0	0	0	1
FAGU133	56.4	68.7	D				0	0	0	0	1
FAGU133	70.0	71.6	G3F				0	0	0	0	1
FAGU133	72.1	72.3	G				0	0	99	999	1
FAGU133	72.7	73.0	G				99	999	0	0	1
FAGU133	73.3	74.4	1G				0	0	99	999	1
FAGU133	77.7	77.8	G				99	999	0	0	1
FAGU133	88.9	91.0	G				0	0	0	0	1
FAGU133	89.1	99.6	G				0	0	0	0	1
FAGU133	101.0	101.3	GB				0	0	0	0	1
FAGU133	101.7	101.8	G				0	0	99	999	1
FAGU133	103.3	103.4	G				0	0	99	999	1

DH: FAGU133 UTM-N: 904,865.6 UTM-E: 592,149.3 UTM-ELEV: 1,149.9 TOTAL DEPTH: 126.5 SECTION: W 70
RFE: S2 RFE DIP: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DH SEGMENT NOS CCND INDICATOR

FAGU133	1	2
FAGU133	2	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY DAT: 08:26:27

DIAMOND DRILL CORE LOG

Date: 23 AUG 81

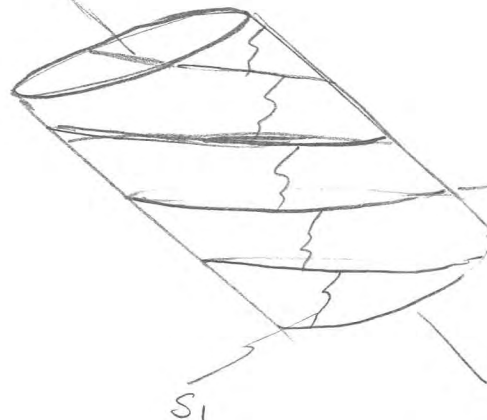
Hole Number: FAGU 133

Reference Fabric Orientation Diagram:

Project: GRUM U/G RELOG

CORE AXIS

Location: 70 W.



Claim: _____

U.T.M
Terr. Plane

Co-ords.: 6904865.6 N

*Conversion of
K-A surveyed grid
to UTM
grid
co-ords*

592349.3 E

Grid
Co-ords: _____

All symmetry determinations looking

Elevation: 1149.9 m

NW with S2 dipping

Total Depth: 126.5 m.

NE with dip azimuth 050.

Purpose: U/G

Reason hole
Terminated: _____

Logged by: DST JGS

Date(s) Logged: 23 AUG

Drilling
Contractor: CM

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>126.5</u>	

Hole
Cemented: _____

Steel down
hole: _____

Started: 26 JUL 76 Completed: 28 JUL 76

DDH FAGU133
2 8

Cyprus Anvil Mining Corp.

Page 3 of 7

Lithologic Log

Date: 23 AUG 81 Logged By: OST JGS

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L		100		108		101	41G4	(4E4)		
L		85		110		102	41E4			
L		110		110		103	51D4*	ANK TALL FUSCH		
L		110		112		104	41G4			
L		112		114		105	41E4	416		
L		114		114		106	41G4			
L		114		115		107	41E4	416		
L		115		116		108	41G4			
L		116		117		109	41E4	416		
L		117		117		110	41G4			
L		117		118		111	41K4			
L		118		120		112	51A0	WKLY CALC		
L		205		210		113	51A0	GOUGE IND/ATT		
L		207		211		114	51A0	WKLY CALC		
L		213		217		115	41E9	[4EL CABG]		
L		217		222		116	51D4*	DOL		
L		221		223		117	51A0	DOL Carbonated graphitic phyllite [5P4*]		
L		235		245		118	51D4*	DOL 2-5% Fusch		
L		245		257		119	51B1	62		
L		257		265		120	41L2	incip. breccia.		
L		265		269		121	51B1	62 (10Q0)		
L		269		271		122	51B1	62 GOUGE IND/ATT		
L		271		289		123	41L0			
L		289		290		124	41L0	GOUGE 45/80 AXIS 11 S2		
L		290		310		125	51B1	62 (5B62)		
L		309		312		126	51B1	62 GOUGE UP/CONT. 60/060		
L		312		315		127	51B1	62		
L		315		317		128	51B1	62 GOUGE UP/CONT 49/00		
L		317		324		129	51B1	62		
L		324		329		130	51B1	62 Bkn core gouge NIL/ATT prob 11 S2		
L		329		417		131	51B1	62		
L		417		417		132	41L0	(10Q0)		
L		417		513		133	41D4	(4A4) then graph laminae		
L		513		513		134	41L0			
L		513		545		135	51B1	62		
L		545		560		136	41D4	(4A4 4C0)		

Lithologic Log

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
L	1560	1564					137		4C10		
L	1564	1573					138		4E44		A Breccia ore
L	1573	1592					139		4A141		A Breccia ore
L	1592	1633					140		4A101		A Breccia ore Pyrite + 4A clots Carb Matrix
L	1633	1640					141		4E101		A Breccia ore
L	1640	1700					142		4A101		A Breccia to 68.7 65-67 4m REC ? F
L	1700	1716					143		5B161		GOUGE MIL/ATT MAJOR FAULT. P1S 2
L	1716	1721					144		5B1612		
L	1721	1723					145		5B1612		GOUGE 11S2
L	1723	1727					146		5B161		
L	1727	1730					147		5B1612		GOUGE UP/CON 11S2 1/CON 30°/180
L	1730	1733					148		5B1612		
L	1733	1744					149		5B161		THCIP Gouge 11S2
L	1744	1768					150		5B1612		
L	1768	1777					151		10101 (4L4)		
L	1777	1778					152		5B1612		(GOUGE FAULT UP/CONT. 11S2 1/CONT. → Steep 19 Met 11 S2 50/0)
L	1778	1779					153		5B161		
L	1779	1816					154		5B161		(5B62)
L	1816	1820					155		4L101		
L	1820	1867					156		5B1612		(5B62/4)
L	1867	1873					157		4L101		
L	1873	1883					158		5B161		
L	1883	1886					159		4L121		
L	1886	1889					160		5B161		
L	1889	1910					161		4L101		GOUGE IND/ATT
L	1910	1936					162		4L142		
L	1936	1940					163		4E44		
L	1940	1958					164		4L142		
L	1958	1963					165		4L101		
L	1963	1991					166		5B1614		
L	1991	1996					167		5B161		GOUGE IND/ATT
L	1996	110110					168		5B161		
L	110110	110113					169		5B161		(1000) GOUGE BHM CORE
L	110113	110117					170		5B161		
L	110117	110118					171		5B161		GOUGE 11 S2
L	110118	11026					172		5B161		

DDH FAGU.133
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: 23 AUG 81 Logged By: DSJ-JGS

Code	From			To			Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂ Dip Direct.	Description		
	10	14	16	20	22	24						26	28
S				13	7		R				55	050	MB S2 Dips H
S				18	8		R				40	050	OSO TO FLAT.
S				16	2		R				40	050	
S				18	7	PS	Z				70	050	
S				22	4	CS	Z				35	050	
S				25	3	CS	Z				60	050	
S				29	2	PS	Z				85	050	
S				32	4	CS	Z				45	050	
S				35	3	CS	Z				25	050	
S				36	6	CS	S				25	050	
S				39	9	CS	S				65	050	
S				41	5	CS	Z				60	050	
S				46	2	CS	S				40	050	
S				46	7	CS	Z				40	050	
S				49	4	CS	Z				70	050	
S				53	7	CS	Z				55	050	
S	56	4		70	0								BRECCIA
S				76	5	PS	Z				60	050	
S				77	8	CS	Z				60	050	
S				79	7	CS	Z				50	050	
S				86	7	CS	Z				65	050	
S				92	1	CS	Z				60	050	
S				97	8	PS	Z				60	050	
S				104	2	PS	Z				55	050	
S				111	2	PS	Z				80	050	
S				115	0		R				85	050	
S				122	1	CS	Z				75	050	
S				124	0	PS	Z				70	050	

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO

D. D. H. No 76-U-133 PAGE 1

PROPERTY GRUM JOINT VENTURE

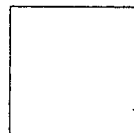
LATITUDE 10,659.046 ? 70W STARTED JULY 26, 1976

DEPARTURE 7,653.567 ? 2N COMPLETED JULY 28, 1976

ELEVATION 1,160.565 ? PROPOSED DEPTH _____

Collar only-drift changed ULTIMATE DEPTH 126.5

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	044	-60
130.6	054	-65



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					Assay x		
From	To					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	18.0	MASSIVE SULFIDE ZONE. Intervals of barite in ground	65 10	0.8	3938	0	3.0	3.0	5.36	8.42	87.77			16.08	25.26	263.31
		mass (Mb); Quartz-inclusions (MIq) and porous variety	60 6	1.1	3939	3.0	4.6	1.6	4.38	9.28	88.80			7.01	14.85	142.08
		(MV). Generally competent except for short intervals	65 6	1.1	3940	4.6	6.1	1.5	3.90	7.44	73.71			5.85	11.16	110.57
		of friable porous variety. Compositional banding	50- 75 8	1.3	3941	6.1	7.6	1.5	4.18	7.89	83.66			6.27	11.84	125.49
		55°; same trend for pores alignment. Trace calcite.	75 10	1.0	3942	7.6	9.1	1.5	6.40	9.26	110.1			9.60	13.89	165.09
			65 10	0.8	3943	9.1	10.7	1.6	4.25	9.26	75.77			6.80	14.82	121.23
		2.5-5.0; 16-16.5: Barite in groundmass.	75 12	1.2	3944	10.7	12.2	1.5	5.37	7.84	85.71			8.06	11.76	128.57
		10-10.3: Bleached Phyllite. Buff with green stripes	75 6	1.5	3945	12.2	13.7	1.5	3.08	5.80	60.34			4.62	8.70	90.51
		(fuchsite). Soft. Foliation = 50°. Both contacts	75 8	1.5	3946	13.7	15.2	1.5	3.75	5.97	70.63			5.63	8.96	105.95
		sharp and clean = 50°.	75 10	1.5	3947	15.2	16.8	1.6	4.83	8.52	83.66			7.73	13.63	133.86
		18: Sharp clean contact with graphitic phyllite = 80°	70 8	1.4	3948	16.8	18.3	1.5	4.88	5.75	111.1			7.32	8.63	166.64
18.0	21.6	GRAPHITIC PHYLLITE (G). Broken ground-pokerchips.		2.5		18.3	21.6	3.3								
		Foliation = 80-85°. Clots of Py.			W.Av.	0	18.3	18.3	4.64	7.84	84.88			84.79	143.50	1553.30
		20.7-21: FAULT. Black sticky gouge with graphite flakes.			W.Av.	12.2	15.2	3.0	3.42	5.89	65.49			10.25	17.66	196.46

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
		21.3-21.6: Mineralized graphitic phyllite. Broken core- pebble size. Py: 25, PbZn: 2.																
		21.6: Abrupt change to Bleached Phyllite (Sb).																
21.6	24.4	BLEACHED PHYLLITE (Sb). Competent. Foliation = 25-30°. Buff to light gray with prominent fuchsite as thin laminae and spots.	2.8		21.6	24.4	2.8											
		24.0: Fold nose																
		24.4: Sharp change to Graphitic Phyllite (G). Contact marked by bull quartz and sulfide band = 30°.																
24.4	25.7	GRAPHITIC PHYLLITE (G). Soft. Foliation = 35-40°. Mixed with some thin laminae of bleached sericite and sulfides.	1.3		24.4	25.7	1.3											
		25.7: Sharp and clean contact with bleached phyllite (SB) = 40°.																
25.7	29.0	BLEACHED PHYLLITE (Sb). Broken, blocky to flakey. Light gray with buff laminae. Foliation = 45-50°.	3.0		25.7	29.0	3.3											
		27.0: Sheared.																
		27.4: Foliation changing to 65-75°. No definite F / F relationship noted.																

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		29.0: Sheared contact with dark sericite Phyllite (S).														
29.0	39.6	DARK SERICITE PHYLLITE. Competent. Foliation = 80-85° @ 29-29.5 then changes to 45-50° F @ 33.5 = 0°.														
		30.7-31; 32.5-33: FAULT. Dark gougy with sericite flakes.														
		35.1: Sheared.														
		39.0: Fold nose.														
		39.6: Introduction of graphitic laminae (SG).														
39.6	47.2	GRAPHITIC SERICITE PHYLLITE (SG). Some intervals are graphi- tic phyllite (G) without sericite constituents. Foliation = 55-60°; F = 0-5° @ 41-41.2.														
		44.2: Fold nose. Appear to have shearing following the fold closure.														
		45.7: Shearing.														
		47.2: Sharp contact with massive sulfide, (M). Contact marked by bull quartz = 40°.														
47.2	53.1	MASSIVE SULFIDE ZONE W/QUARTZ INCLUSIONS (MQ). Compositional														
		bands = 75-80°. Short interval of broken bleached phyllite run @ 50.5-50.6.	70 18	1.4	3949	47.2	48.8	1.6	9.71	18.51	161.49			15.54	29.62	258.38
			70 18	1.1	3950	48.8	50.3	1.5	9.74	19.50	164.57			14.61	29.25	246.86
			70 15	1.2	3951	50.3	51.8	1.5	7.10	15.43	111.09			10.65	23.15	166.64

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay 2				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
					99-99.5: FAULT. Gray thick sticky gouge with phyllite fragments.												
		101-101.3: FAULT. Bull quartz fragments with watery gouge.															
		102.5-103.6: Graphitic phyllite interval (G). Foliation = 55-60°; F = 0-5°. Small fault at 103.2. Contacts gradual.															
		105.0: Sheared contact with bleached phyllite (Sb) = 75°.															
105.0	114.3	BLEACHED PHYLLITE (Sb). Competent. Buff with greenish hue. Foliation = 70-75°. Trace of calcite, chlorite. Sporadic widely spaced sulfide clots/laminae.	9.0		105.0	114.3	9.3										
		114.3: Sharp change to massive sulfide (M). Contact marked by clay.															
114.3	117.6	MASSIVE SULFIDE. Competent. Almost structureless except for faint compositional banding Sph/Py = 50-55°, and some quartz inclusions. Short, discontinuous calcite stringers in random orientation.															
		117-117.3: Sulfide Bx ϕ = 1-2cm cemented by sulfide, quartz/trace calcite.	1.4	3962	114.3	115.8	1.5	6.30	9.03	104.92			9.45	13.55	157.38		
		117.3-117.4: Bleached phyllite interval. Contacts broken around but appear sharp.	1.5	3963	115.8	117.6	1.8	3.13	3.45	40.46			5.63	6.21	72.83		
				W.A.V.	114.3	117.6	3.3	4.57	5.99	69.76			15.08	19.76	230.21		

DDH: FAGU133 -- 42 DEGREE PROFILE

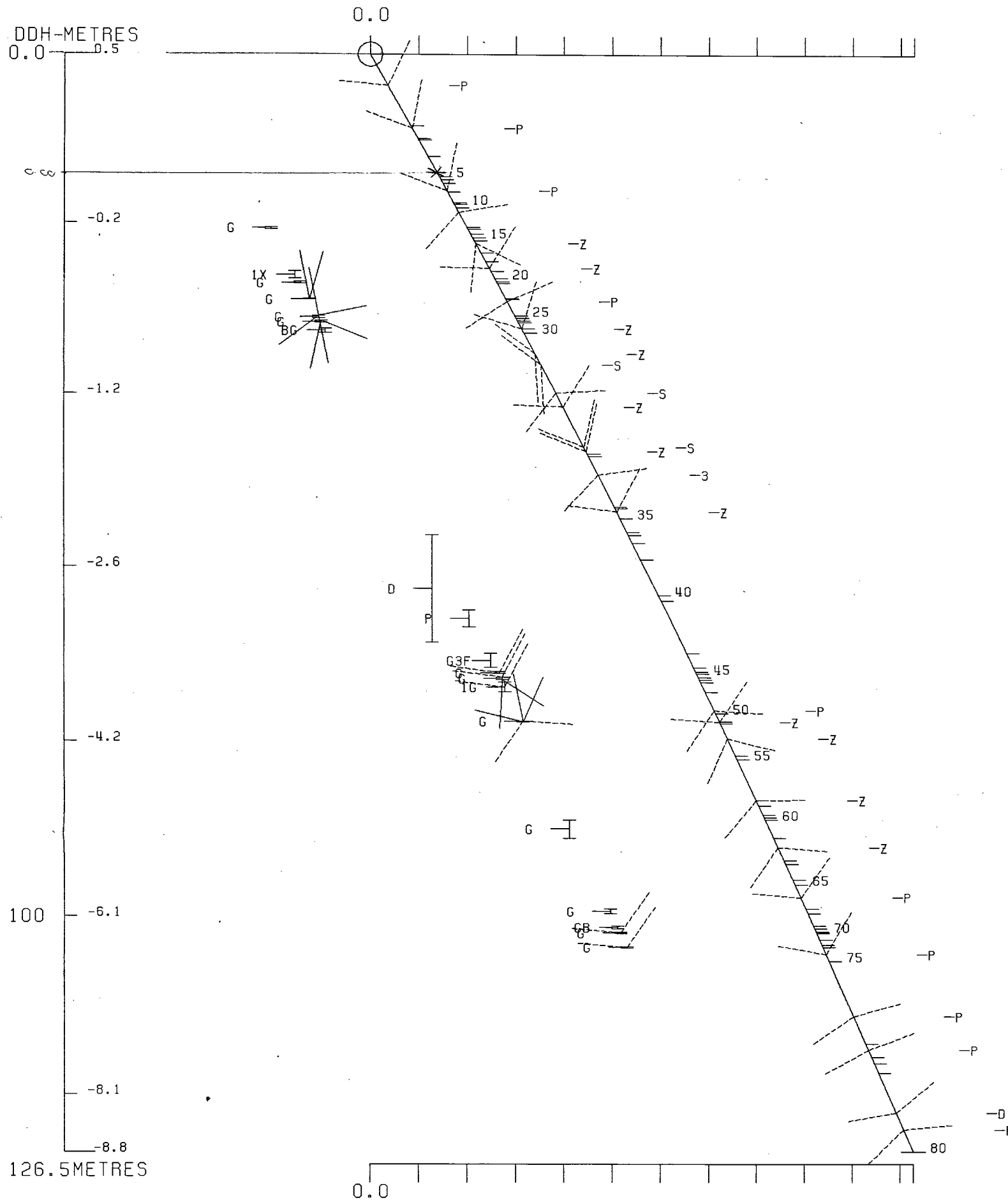
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1150 592349E ; 904866N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 435.2 Z = 1150.0

SECTION NAME: 70W



ELEVATION
ABOVE S.L.

+ 1100 M.

+ 1050 M.

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 2 OCT 1984 11:33 AM



DDH: FAGU133 -- 42 DEGREE PROFILE

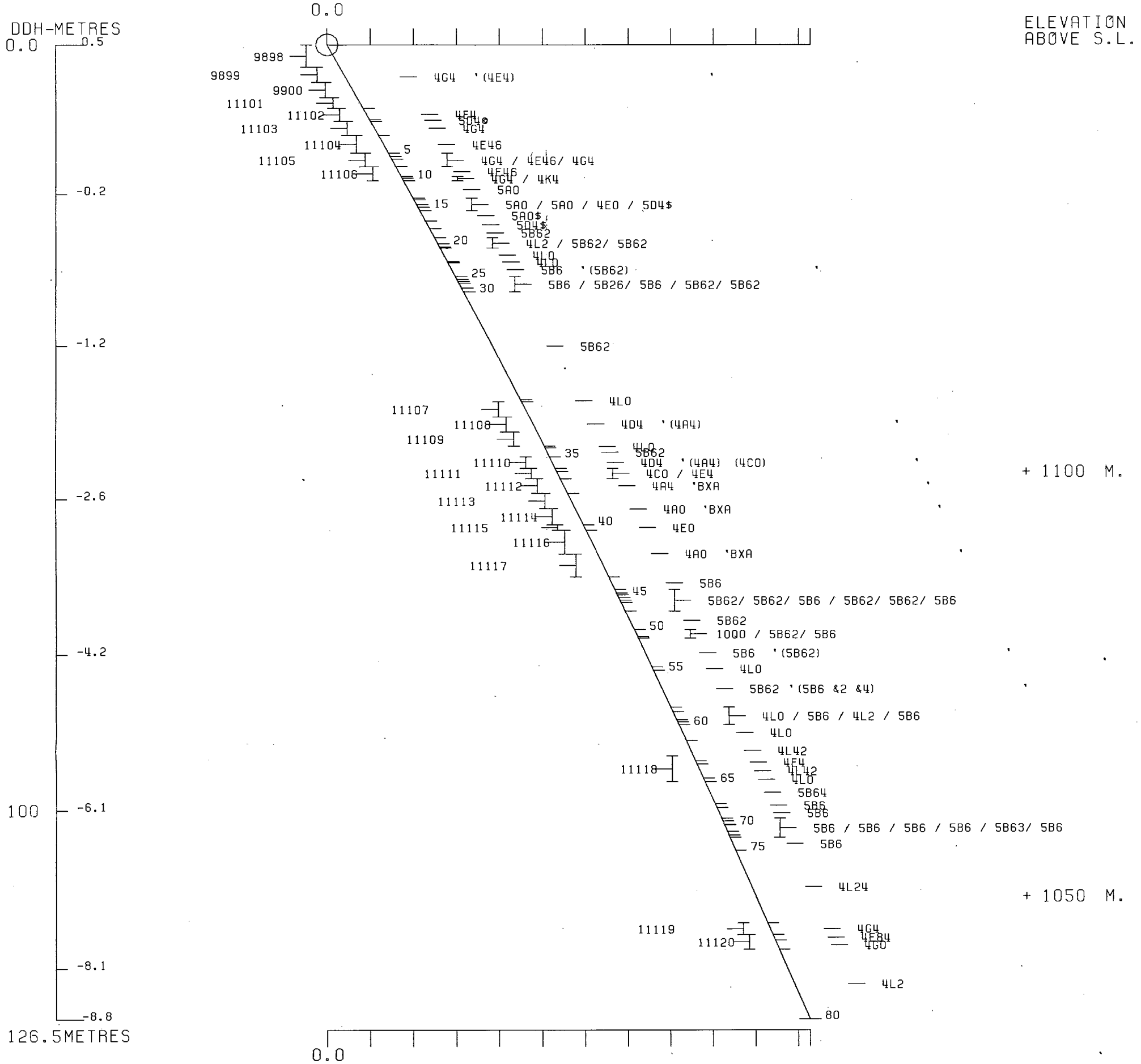
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1150 592349E ; 904866N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 435.2 Z = 1150.0

SECTION NAME: 70W



FAGU 136

DRILL HOLE : FAGU136
NORTHING : 904,863.8
EASTING : 592,347.6
ELEVATION : 1,152.9
TOTAL DEPTH : 76.2
SECTION : W 70
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CORE-SAMPLES: 14
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 32
NOS DOWN-H-STRUCTURE: 16
NOS DOWN-H-FAULTS: 3
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU136 UTM-N: 9647263.2 UTM-E: 5927347.6 UTM-ELEV: 1,152.9 TOTAL DEPTH: 76.2 SECTION: W 70
 RFE: 32 RFE DIR: 200 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----															
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PO %	PY %	TOT FE	BAC %	HG %	MN %	AS %	BA %	S.G. W.R.	
31.0	32.0	11151	1.0	.8	4L4	4.24	.22	2.90	2.30	41.00		.48	7	16	23							
32.0	34.6	11152	2.6	1.8	4G4#	4.72	.09	5.30	5.80	80.00		.69	1	23	24							
39.1	41.1	11153	2.0	1.3	4GEL	4.94	.20	2.70	2.04	57.00	57.00	.96	2	33	36							
41.1	44.2	11154	3.1	1.6	4E4#	4.83	.23	4.40	3.70	71.00		.89	3	35	38							
44.2	46.2	11155	2.0	1.0	4G4	4.67	.08	6.30	7.70	98.00		.55	2	13	16							
46.2	48.2	11156	2.0	1.0	4G4	5.01	.10	6.60	6.30	110.00		.41	3	12	16							
48.2	50.2	11157	2.0	1.8	4G4	4.86	.06	7.30	7.60	125.00		.41	2	10	13							
50.2	51.7	11158	1.5	1.5	4G4	4.64	.12	5.60	6.50	90.00		.48	4	17	21							
51.7	53.3	11159	1.6	1.4	4G4	4.54	.11	6.20	6.60	101.00		.62	1	19	21							
53.3	54.7	11160	1.4	1.0	4EK8	4.29	.24	4.30	3.60	66.00		.62	5	30	36							
54.7	56.2	11161	1.5	1.0	4LC	3.38	.13	1.57	1.25	30.00		.48	3	12	16							
56.2	58.2	11162	2.0	1.0	4EC	3.98	.18	1.67	1.15	33.00		.69	4	28	33							
58.2	60.2	11163	2.0	.9	4EC	4.35	.53	2.40	1.35	47.00	42.00	1.51	6	24	31							
60.2	61.4	11164	1.2	.8	4EC	3.02	.29	1.49	1.33	44.00		1.03	6	23	30							

WEIGHTED AVERAGE

31.0	34.6		3.6	2.6		4.58	.12	4.63	4.82	69.16		.63	2	21	24							
39.1	61.4		22.3	14.3		4.46	.19	4.30	4.20	73.85	3.87	.73	3	22	26							

DH: FAGU136 UTM-N: 904,863.9 UTM-E: 592,347.6 UTM-ELEV: 1,150.9 TOTAL DEPTH: 70.2 SECTION: W 70
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	42.000	224.000

CDH: FAGU136 UTM-N: 904,053.2 UTM-E: 592,347.6 UTM-ELEV: 1,152.9 TOTAL DEPTH: 76.2 SECTION: A 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
1.3	OC01	#		0.5-	1
4.1	OC02	5B26		0.5-	1
10.4	OC03	5E0	(5E2)	0.5-	1
11.0	OC04	5E2*		0.5-	1
11.7	OC05	5E03		0.5-	1
25.9	OC06	5E2		0.5-	1
26.2	OC07	5D4*		0.5-	1
29.2	OC08	5E2*		0.5-	1
31.0	OC09	4L5	(5E2*) [5D4*]	0.5-	1
32.0	OC10	4L24	5	0.5-	1
34.6	OC11	4G4#	(4E0#)	0.5-	1
34.9	OC12	4L5#		0.5-	1
35.8	OC13	5B26		0.5-	1
37.4	OC14	4L2		0.5-	1
39.1	OC15	5B6		0.5-	1
39.5	OC16	4G4#	PCROUS	0.5-	1
39.6	OC17	4LC		0.5-	1
44.2	OC18	4E4	(4E4#)	0.5-	1
53.3	OC19	4G4		0.5-	1
54.7	OC20	4E03	(4K8)	0.5-	1
55.7	OC21	4L4	[4C PHYLLITIC]	0.5-	1
56.2	OC22	4L3	(4L0)	0.5-	1
61.4	OC23	4E0	(4E4) (4C0)	0.5-	1
62.6	OC24	4L2		0.5-	1
63.7	OC25	5B64		0.5-	1
64.1	OC26	5B64		0.5-	1
69.5	OC27	5B62		0.5-	1
70.2	OC28	5B62		0.5-	1
71.2	OC29	4LC		0.5-	1
74.8	OC30	5B62		0.5-	1
75.4	OC31	5B62		0.5-	1
76.2	OC32	5D4*		0.5-	1

JOB: FAGU136 UTM-N: 904,263.0 UTM-E: 592,347.6 UTM-ELEV: 1,152.9 TOTAL DEPTH: 76.2 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHDC CALC: 1 SS CALC: 1

DH	F DEPTH	T DEPTH	FEAT	SYMTY	SC	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	ODE	DHDC	SDC	PROCESS
FAGU136	0.0	3.4	CS2			0	0	C	C		65	230	C			1	1	1
FAGU136	0.0	9.3	PS2	P		0	0	0	0		50	230	C			1	1	1
FAGU136	0.0	11.8	PS2	P		0	0	0	0		40	230	C			1	1	1
FAGU136	0.0	17.8	CS2			0	0	0	0		70	230	0			1	1	1
FAGU136	0.0	22.3	PS2	P		0	0	0	0		40	230	C			1	1	1
FAGU136	0.0	27.7	PS2	P		0	0	0	0		70	230	C			1	1	1
FAGU136	0.0	31.8	CS2			0	0	0	0		70	230	0			1	1	1
FAGU136	0.0	36.7	PS2	P		0	0	0	0		80	230	C			1	1	1
FAGU136	0.0	41.5	PS2	P		0	0	0	0		60	230	C			1	1	1
FAGU136	0.0	46.0	PS2	P		0	0	0	0		60	230	C			1	1	1
FAGU136	0.0	51.4	PS2	P		0	0	0	0		60	230	C			1	1	1
FAGU136	0.0	55.4	PS2	P		0	0	0	0		40	230	C			1	1	1
FAGU136	0.0	59.8	PS2	P		0	0	0	0		40	230	C			1	1	1
FAGU136	0.0	62.5	PS2	P		0	0	0	0		40	230	0			1	1	1
FAGU136	0.0	68.4	PS2	P		0	0	0	0		60	230	C			1	1	1
FAGU136	0.0	74.0	PS2	P		0	0	0	0		50	230	C			1	1	1

DDH: FAGU136 UTM-N: 904,863.8 UTM-E: 592,347.6 UTM-ELEV: 1,152.9 TOTAL DEPTH: 76.2 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGU136	63.7	64.1	G				20	0	C	C	0	0	1
FAGU136	69.5	70.2	G				99	999	C	C	0	0	1
FAGU136	74.8	75.4	G				0	0	C	C	0	0	1

30MAR84 GRUM

DOWN-HOLE SPLINES (DHD20)

PAGE: 15

DDH: FAGU136 UTM-N: 904,863.8 UTM-E: 592,347.6 UTM-ELEV: 1,152.9 TOTAL DEPTH: 76.2 SECTION: W 70
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU136 1 1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 08:22:52

CYPRUS ANVIL MINING CORPORATION

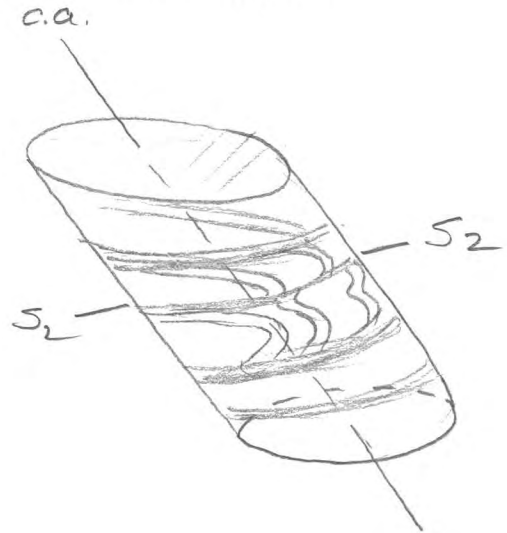
DIAMOND DRILL CORE LOG

Hole Number: FAGU 136

Fabric Orientation Diagram:

Project: Grum Re-log

Location: Section 70W



Claim: _____

UTM
Terr. Plane
Co-ords.: 6904863.8 N

*Conversion of
K-A surveyed
grid co-ords*

592347.6 E

Grid
Co-ords.: 70 W

2 N

Elevation: 1152.9 M

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Total Depth: 76.2 M

Purpose: Definition Drilling

Logged by: DST / JGS

Date(s) Logged: 24 Aug. 1981

Drilling Contractor: Cameron McCutcheon Core: Size From To Collar Cased and Capped: No

BQ 0 76.2

Started: 29 July 76 Completed: 30 July 76

DDH F.A.G.U.13.6

2

8

Cyprus Anvil Mining Corp.

Page 3 of 5

Lithologic Log

Date: 24 AUG 81 Logged By: NSJ - JGS

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
L			10	0			11	3		1011	*	CONCRETE
L			11	3			14	1		1012	51B1216	
L			14	1			11	0		1013	51E101	(5E2)
L			11	0			11	0		1014	51B121*	DOL
L			11	1			11	7		1015	51E101	Tan-grey phyll dolomite
L			11	1			12	5		1016	51E121	
L			12	5			12	6		1017	51E11*	DOL ANK.
L			12	6			12	9		1018	51E121*	Fe Mg Carb.
L			12	9			13	1		1019	41L151	(5E2* Fe Mg Carb) 4L on phyll marble
L			13	1			13	2		110	41L1214	5 whly Calc.
L			13	2			13	4		111	41G14*	Calc-bony to calc (4E0)*
L			13	4			13	4		112	41L151	Calc.
L			13	4			13	5		113	51B1216	
L			13	5			13	7		114	41L121	
L			13	7			13	9		115	51B161	
L			13	9			13	9		116	41G14*	Calc. Top.
L			13	9			13	9		117	41L101	
L			13	9			14	4		118	41E141	(4E4*) Calc.
L			14	4			15	3		119	41G141	
L			15	3			15	4		120	41E018	(4K8)
L			15	4			15	5		121	41L141	[4C PHYL]
L			15	5			15	6		122	41L131	(4L0)
L			15	6			16	1		123	41E01	(4E4) - (4C0)
L			16	1			16	2		124	41L121	
L			16	2			16	3		125	51B1614	
L			16	3			16	4		126	51B1614	GOUGE / (4L0) u/c 20% u/c 1ND Steep dip AZ 11S2
L			16	4			16	9		127	51B1612	Fract vein buff dol.
L			16	9			17	0		128	51B1612	GOUGE F u/c 15% slide 250 → 20 SW, 1.C. 1ND
L			17	0			17	1		129	41L101	
L			17	1			17	4		130	51B1612	
L			17	4			17	5		131	51B1612	GOUGE 1ND/ATT
L			17	5			17	6		132	51D141*	DOL FUSCH 1-2%
												END OF HOLE

Structural Log

Date: 24, Aug 81 Logged By: DSJ-JGS

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
S				13	4	CS	R					65	21	31	0	No SYMM DETS	
S				9	3	PS	R					50	21	31	0	45° UPHOLE	
S				11	8	PS	R					40	23	30	0	S ₂ near HORIZ	
S				17	8	CS	R					70	21	31	0	∞ equivocal determinations	
S				12	3	PS	R					40	23	31	0		
S				12	7	PS	R					70	23	31	0		
S				13	1	CS	R					70	21	31	0		
S				13	6	PS	R					80	23	31	0		
S				14	1		R					60	23	31	0		
S				14	6		R					60	23	31	0		
S				15	1		R					60	23	31	0		
S				15	5		R					40	23	31	0		
S				15	9		R					40	23	31	0		
S				16	2	PS	R					40	23	31	0		
S				16	8	PS	R					60	23	31	0		
S				17	4	PS	R					50	23	31	0		

ASSAY LOG (SAMPLER'S COPY)

Date 24 Aug 81 Sampled by _____

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		13	17	0		13	20	0	1	1	1	5	1	1	0	10	8					14	14	14	14	14	Recovery Estimated from K/A logs original assay log 136
P		13	20	0		13	46	6	1	1	1	5	2	2	6	11	8					14	16	14	14	14	
P		13	9	1		14	1	1	1	1	1	5	3	2	0	11	3					14	16	14	14	14	"
P		14	1	1		14	4	2	1	1	1	5	4	3	1	11	6					14	16	14	14	14	"
P		14	4	2		14	6	2	1	1	1	5	5	2	0	11	0					14	16	14	14	14	"
P		14	6	2		14	8	2	1	1	1	5	6	2	0	11	0					14	16	14	14	14	"
P		14	8	2		15	0	2	1	1	1	5	7	2	0	11	8					14	16	14	14	14	"
P		15	0	2		15	1	7	1	1	1	5	8	1	5	11	5					14	16	14	14	14	"
P		15	1	7		15	3	3	1	1	1	5	9	1	6	11	4					14	16	14	14	14	"
P		15	3	3		15	4	7	1	1	1	6	0	1	4	11	0					14	16	18	18	18	"
P		15	4	7		15	6	2	1	1	1	6	1	1	5	11	0					14	16	14	14	14	"
P		15	6	2		15	8	2	1	1	1	6	2	2	0	11	0					14	16	14	14	14	"
P		15	8	2		16	0	2	1	1	1	6	3	2	0	10	9					14	16	14	14	14	"
P		16	0	2		16	1	4	1	1	1	6	4	1	2	10	8					14	16	14	14	14	"

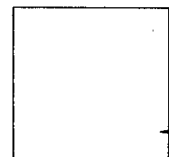
DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO

D. D. H. No 76-U-136 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE 10,657.164 70W STARTED JULY 29, 1976
 DEPARTURE 7,651.876 2N COMPLETED JULY 30, 1976
 ELEVATION 1,163.492 PROPOSED DEPTH _____
 ULTIMATE DEPTH 76.2

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	244	+48°



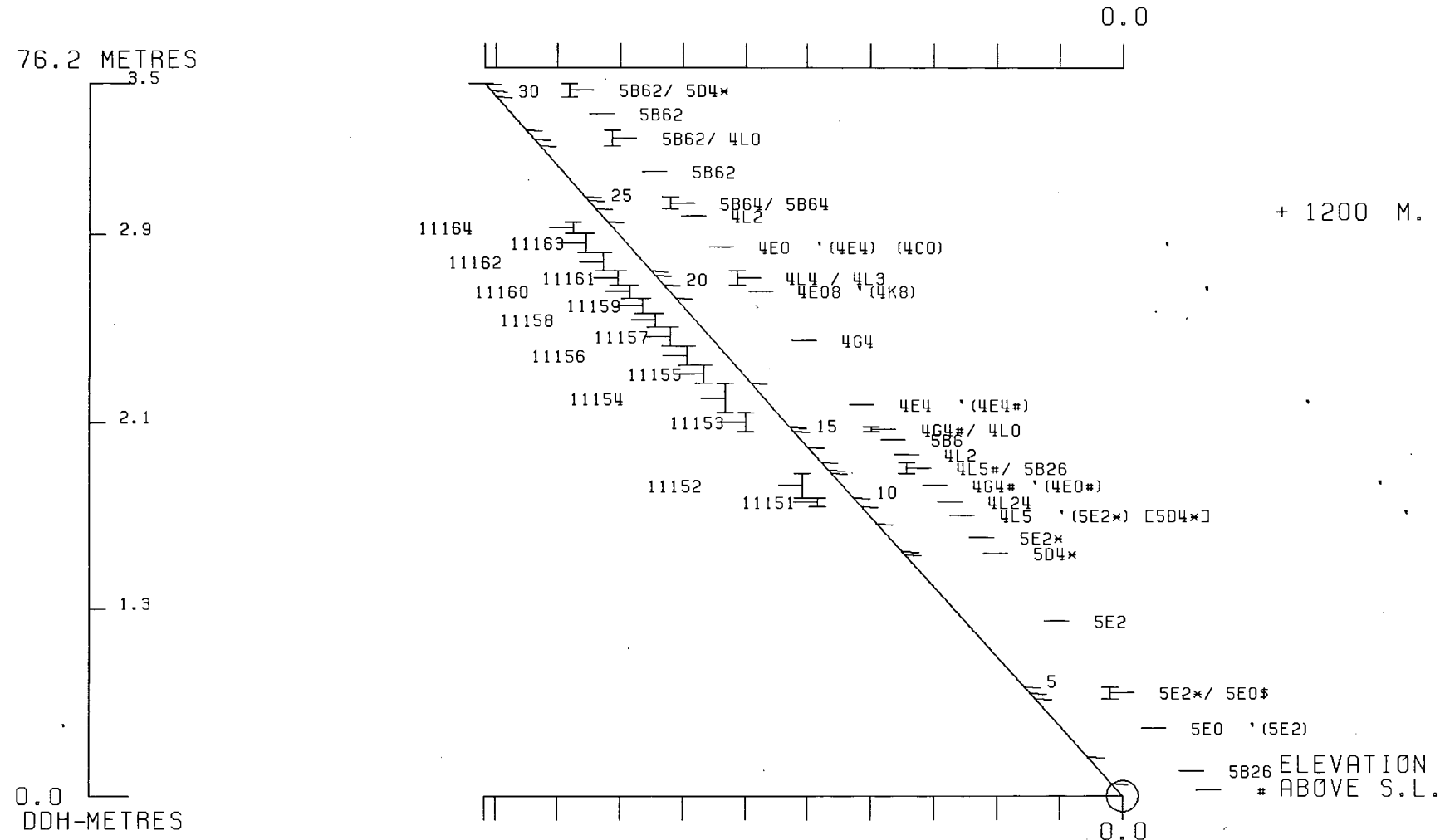
CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 70%

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	4.8	GRAPHITIC PHYLLITE (G). Broken flakey core. Foliation = 30 -35°. Poor core recovery. 4.8: Abrupt change to limy bleached phyllite (SBk). Contact broken ground.	0.8		0	4.8	4.8										
4.8	8.5	LIMY BLEACHED PHYLLITE (SBk). Broken blocky core with max. =4cm length. Earthy white with greenish stripe (bleached sericite). Foliation = 45-50° changing to 60° @ 7.7. No clear F noted. Calcite in groundmass as thin laminae. 8.5: Gradual change to limy sericite phyllite (SK).	3.0		4.8	8.5	3.7										
8.5	32.0	LIMY SERICITE PHYLLITE (SK). Broken, blocky core ave: 3cm long. Foliation = 60-65°; F = 0-10°. Some intervals at 16.7-18 show some thin green laminae (chlorite?). 25.9-27.5: Foliation change into = 70-75°; F = 0-5° 29.5-29.7; 30-30.8: Bleached phyllite intervals. Buff colour; broken ground. Grades into mineralized bleached phyllite until 32m.	21.5		8.5	32.0	23.5										

phyllite until 32m.



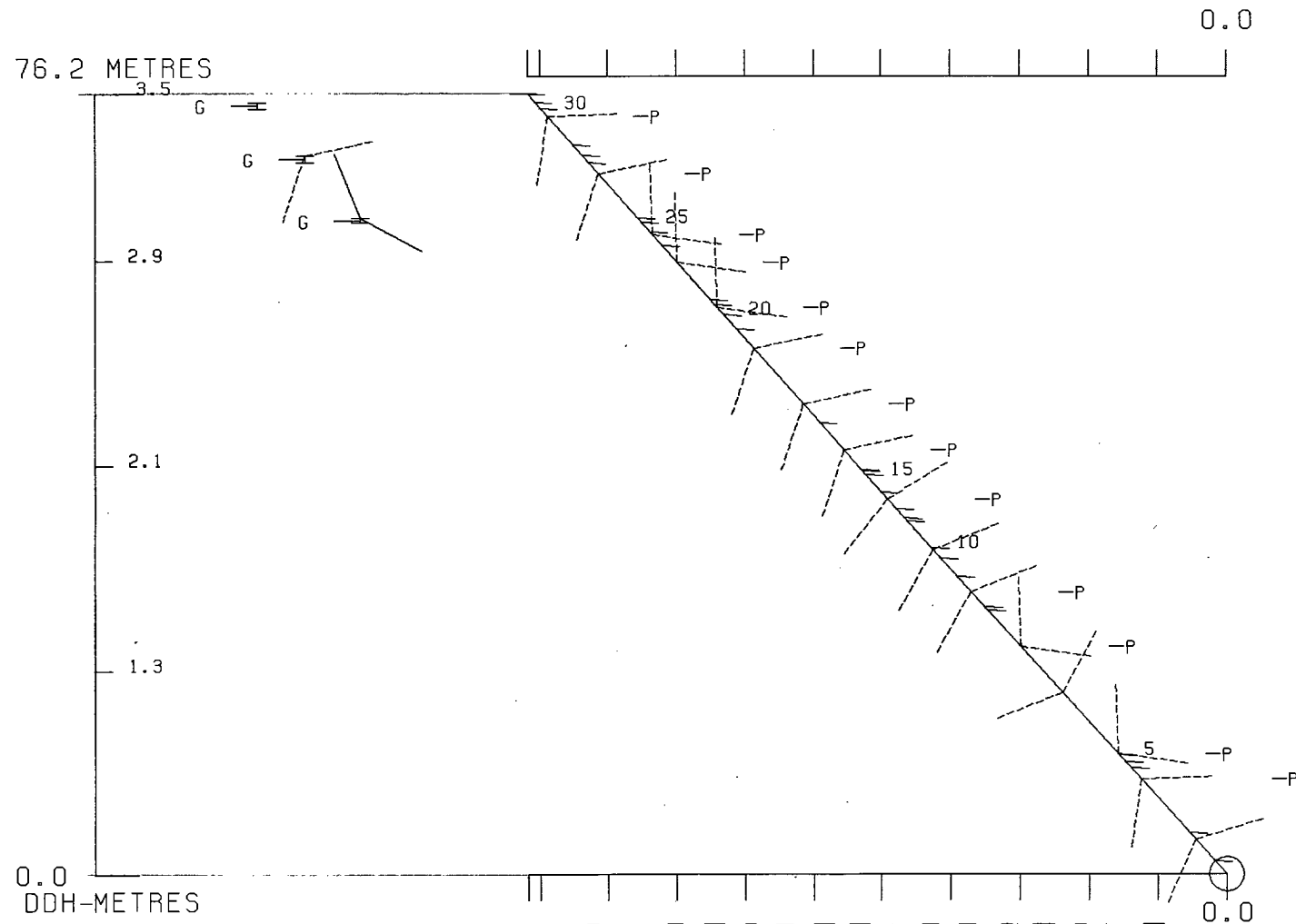
DDH: FAGU136 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1153 592348E ; 904864N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 432.7 Z = 1153.0

SECTION NAME: 70W



+ 1200 M.

ELEVATION
ABOVE S.L.

DDH: FAGU136 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1153 592348E ; 904864N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 432.7 Z = 1153.0

SECTION NAME: 70W

FAGU137

DRILL HOLE : FAGU137
NORTHING : 904,866.3
EASTING : 592,348.2
ELEVATION : 1,153.4
TOTAL DEPTH : 61.0
SECTION : W 70
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 24
NOS DOWN-H-STRUCTURE: 15
NOS DOWN-H-FAULTS: 4
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU137 UTM-N: 904,866.3 UTM-E: 592,348.2 UTM-ELEV: 1,153.4 TOTAL DEPTH: 51.0 SECTION: W 70
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	26.000	43.900

CDH: FAC137

UTM-N: 904,866.3 UTM-E: 592,348.2 UTM-ELEV: 1,153.4 TOTAL DEPTH: 61.0 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
10.7	0001	5AC\$	(1000)	0.5-	1
15.7	0002	5EC	(5E8) [5883]	0.5-	1
18.6	0003	5C4*	?	0.5-	1
26.2	0004	5EC	MINOR 2	0.5-	1
27.4	0005	5D4*	?	0.5-	1
31.3	0006	5EC\$		0.5-	1
34.3	0007	5C4*	?	0.5-	1
36.0	0008	5EC\$		0.5-	1
36.6	0009	5EC	[583]	0.5-	1
38.2	0010	5EC		0.5-	1
38.6	0011	5E0		0.5-	1
41.8	0012	5EC	(5D4*)	0.5-	1
42.0	0013	5D4*		0.5-	1
42.4	0014	5EC		0.5-	1
43.6	0015	5D4*		0.5-	1
43.8	0016	5EC		0.5-	1
44.1	0017	5EC		0.5-	1
47.3	0018	5D4*	(5E0)	0.5-	1
47.8	0019	5D4*		0.5-	1
50.2	0020	5D4*		0.5-	1
51.2	0021	5D4*		0.5-	1
56.4	0022	5EC		0.5-	1
59.4	0023	5C4\$		0.5-	1
61.0	0024	5D4#		0.5-	1

DDH: FAGU137 UTM-N: 904,866.3 UTM-E: 592,348.2 UTM-ELEV: 1,153.4 TOTAL DEPTH: 61.0 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE CDE	DHDC	SDC	PROCESS
FAGU137	0.0	4.4	CS2	Z	0	0	0	C	55	230	C	1	1	1
FAGU137	0.0	5.5	CS2	S	0	0	0	C	55	230	C	1	1	1
FAGU137	0.0	8.6	CS2	S	0	0	0	C	60	230	C	1	1	1
FAGU137	0.0	9.5	CS2	Z	0	0	0	C	40	230	C	1	1	1
FAGU137	0.0	13.5	CS2	Z	0	0	0	C	40	230	C	1	1	1
FAGU137	0.0	20.0	CS2	Z	0	0	0	C	50	230	C	1	1	1
FAGU137	0.0	25.6	CS2	Z	0	0	0	C	40	230	C	1	1	1
FAGU137	0.0	29.8	CS2	Z	0	0	0	C	45	230	C	1	1	1
FAGU137	0.0	36.9	CS2	Z	0	0	0	C	30	230	C	1	1	1
FAGU137	0.0	39.3	CS2	Z	0	0	0	C	30	230	C	1	1	1
FAGU137	0.0	43.7	CS2		50	230	0	C	50	230	C	1	1	1
FAGU137	0.0	45.4	CS2	Z	0	0	0	C	50	230	C	1	1	1
FAGU137	0.0	50.7	CS2	S	0	0	0	C	20	230	C	1	1	1
FAGU137	0.0	54.8	CS2	Z	0	0	0	C	45	230	C	1	1	1
FAGU137	0.0	60.0	CS2		0	0	0	C	40	230	C	1	1	1

UTM-N: 004,844.3 UTM-E: 592,348.2 UTM-ELEV: 1,153.4 TOTAL DEPTH: 61.0 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD	
FAGU137	36.0	36.6	G				0	0	0	0	1
FAGU137	38.2	38.6	G				99	999	0	0	1
FAGU137	43.8	44.1	G				99	999	99	999	1
FAGU137	47.3	47.8	G				15	0	0	0	1

TRF: FAGU137 UTM-N: 904,866.3 UTM-E: 592,348.2 UTM-ELEV: 1,153.4 TOTAL DEPTH: 61.0 SECTION: W 70
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU137 1 1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 11:02:56

DIAMOND DRILL CORE LOG

Date: 25 AUG 81

Hole Number: FAG4137

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

42° AZ +65°

Location: 70 W.

Claim: _____

UTM:
Terr. Plane

Co-ords.: 6904866.43 N

592348.2 E

Grid
Co-ords: _____

Elevation: 1153.4

Total Depth: 61.0

Purpose: GRUM U/G.

Reason hole
Terminated: _____

Logged by: PST - JCR

Date(s) Logged: _____

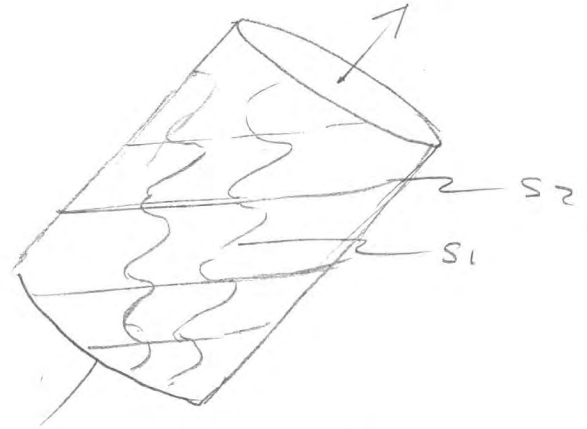
Drilling
Contractor: C-M,

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>61.0</u>	

Hole
Cemented: _____

Steel down
hole: _____

Started: _____ Completed: _____



All symmetry determinations looking

MW with S2 dipping

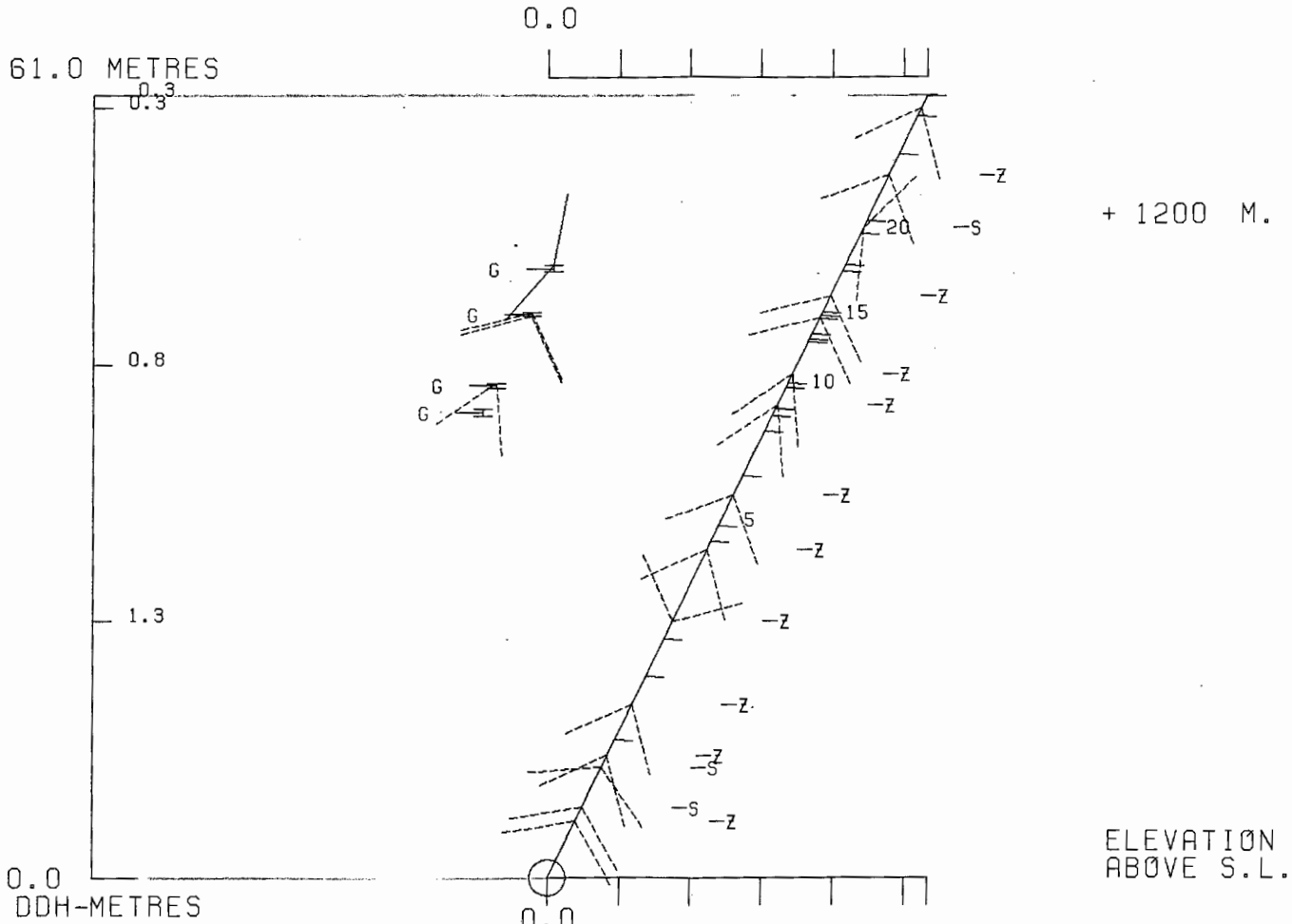
SW with dip azimuth 230.

*Conversions
of K-A surveyed
grid co-ords*

RELOG



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 2 OCT 1984 11:42 AM



DDH: FAGU137 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

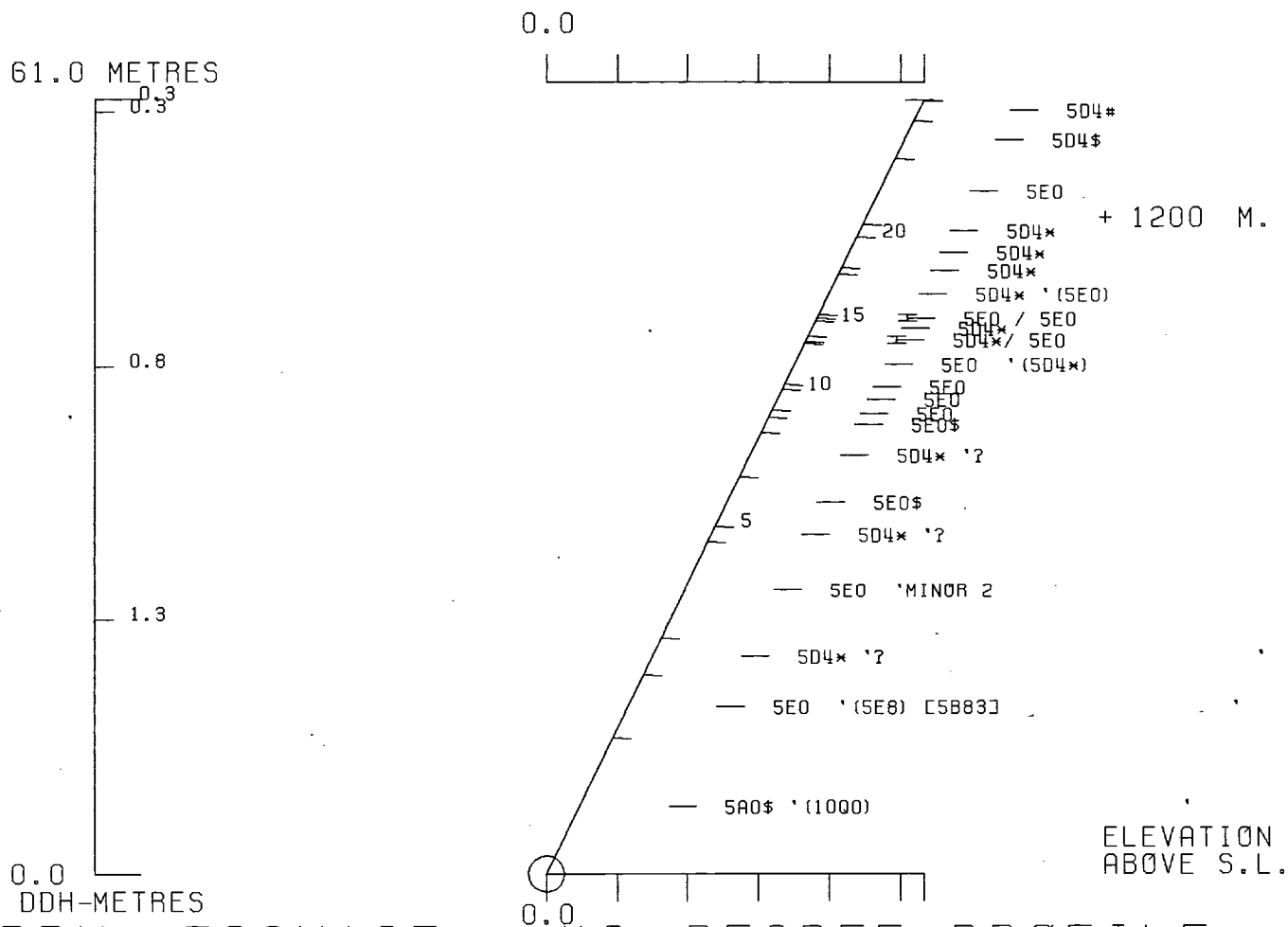
ELEV: 1153 592348E ; 904866N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 435.0 Z = 1153.8

SECTION NAME: 70W

CYPRUS ANVIL MINING CORPORATION
 PROGRAM DH162 2 OCT 1984 11:44 AM



DDH: FAGU137 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1153 592348E ; 904866N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 435.0 Z = 1153.8

SECTION NAME: 70W

FAGU139

DRILL HOLE : FAGU139
NORTHING : 904,865.0
EASTING : 592,347.8
ELEVATION : 1,153.4
TOTAL DEPTH : 76.2
SECTION : W 70
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 10
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 37
NOS DOWN-H-STRUCTURE: 13
NOS DOWN-H-FAULTS: 8
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU139 UTM-N: 904,865.0 UTM-E: 592,347.0 UTM-ELEV: 1,153.4 TOTAL DEPTH: 76.2 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	ASSAYS				BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
FROM	TO											AU(FA) G/MT	PO %	PY %	TOT FE						
37.9	39.8	11215	1.9	.0	4EG#	4.31	.16	7.20	7.30	107.00		.62	3	17	21						
39.8	40.8	11216	1.0	.0	4EG	4.50	.20	1.06	2.50	30.00		2.13	4	36	40						
40.8	42.7	11217	1.9	.0	4EG	4.67	.14	4.00	3.90	66.00		.89	2	32	35						
42.7	44.2	9C929	1.5	1.5	4EL#			5.97	5.15		82.63										
44.2	45.5	11219	1.3	.0	4GC#	3.65	.06	8.70	7.60	113.00		.55	2	21	23						
45.5	46.9	11220	1.4	.0	4L24	3.39	.20	1.26	1.25	20.00		.07	6	15	21						
50.9	53.3	11221	2.4	.0	4LC#	3.39	.12	1.43	1.64	17.00		.14	5	12	18						
53.3	56.7	11222	3.4	.0	4L24	3.50	.17	1.32	1.43	26.00		.14	7	14	22						
64.7	66.7	11223	2.0	.0	4L24	3.77	.21	4.90	4.60	71.00		.34	5	17	22						
66.7	68.9	11224	2.2	.0	4L24	3.67	.20	1.51	.84	25.00	30.00	.62	5	16	22						
WEIGHTED AVERAGE																					
37.9	46.9		9.0	1.5		3.45	.12	4.92	4.79	59.28	13.77	.64	3	20	23						
50.9	56.7		5.8	.0		3.45	.14	1.36	1.51	22.27		.14	6	13	20						
64.7	68.9		4.2	.0		3.71	.20	3.12	2.63	46.90	15.71	.48	5	16	22						

UTM-N: 004,065.0 UTM-E: 592,347.8 UTM-ELEV: 1,153.4 TOTAL DEPTH: 70.2 SECTION: W 70
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	15.000	224.000

DRILL-HOLE LITHOLOGY (DH020)

PAGE: 4

DDH: FAGH139 UTM-N: 904,865.0 UTM-E: 592,347.8 UTM-ELEV: 1,133.4 TOTAL DEPTH: 76.2 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
5.5	0001	5E23		0.5-	1
6.3	0002	5E1		0.5-	1
9.3	0003	5E2		0.5-	1
20.0	0004	5E0	(5E02)	0.5-	1
24.0	0005	5E3	(5E3)	0.5-	1
25.9	0006	5E0	8\$ (5E2 8\$)	0.5-	1
26.4	0007	5B0	-> 5B3	0.5-	1
35.1	0008	5E3	MINOR 2	0.5-	1
35.5	0009	4L5	ALTERED 5E	0.5-	1
36.2	0010	5E3		0.5-	1
37.9	0011	4L5		0.5-	1
38.5	0012	4E46		0.5-	1
39.4	0013	4G4#		0.5-	1
39.8	0014	4E4#		0.5-	1
40.8	0015	4E0		0.5-	1
42.4	0016	4E4		0.5-	1
42.6	0017	4G4#		0.5-	1
44.7	0018	4E4#	(4L4) SOME NO CORE	0.5-	1
45.1	0019	4G4*		0.5-	1
45.3	0020	4C0		0.5-	1
45.5	0021	4G4#		0.5-	1
46.9	0022	4L24		0.5-	1
50.9	0023	5A3	(5E23)	0.5-	1
53.3	0024	4L24	5# -> 4C# [4LE#]	0.5-	1
53.6	0025	4L0		0.5-	1
54.0	0026	5A3		0.5-	1
56.7	0027	4L24		0.5-	1
63.4	0028	5E23		0.5-	1
64.7	0029	4L5		0.5-	1
68.9	0030	4L24	5	0.5-	1
70.0	0031	5E3		0.5-	1
73.2	0032	4L5		0.5-	1
73.7	0033	5E20	\$	0.5-	1
74.8	0034	5E3		0.5-	1
75.0	0035	5E23		0.5-	1
75.8	0036	5E3		0.5-	1
76.2	0037	5E23	-> 5E3	0.5-	1

DOWN-HOLE STRUCTURE (DH020)

PAGE: 5

DDH: FAGU139 UTM-N: 904,865.0 UTM-E: 592,347.8 UTM-ELEV: 1,153.4 TOTAL DEPTH: 76.2 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU139	0.0	7.3	CS2	Z	0	0	0	C	75	230	C		1	1	1
FAGU139	0.0	13.0	CS2	Z	0	C	0	C	80	230	C		1	1	1
FAGU139	0.0	21.3	CS2	Z	0	0	0	C	70	230	C		1	1	1
FAGU139	0.0	28.5	CS2	S	0	C	0	C	60	230	C		1	1	1
FAGU139	0.0	33.0	CS2	D	0	C	0	0	85	230	C		1	1	1
FAGU139	0.0	38.3	PS2	P	0	0	0	C	80	230	C		1	1	1
FAGU139	0.0	44.4	PS2	P	0	0	0	C	70	230	C		1	1	1
FAGU139	0.0	49.1	CS2	Z	0	C	0	C	70	230	C		1	1	1
FAGU139	0.0	54.9	PS2	P	0	C	0	C	75	230	C		1	1	1
FAGU139	0.0	59.6	CS2	Z	0	C	0	C	60	230	C		1	1	1
FAGU139	0.0	66.4	PS2	P	0	0	0	C	70	230	C		1	1	1
FAGU139	0.0	69.5	CS2	Z	0	C	0	C	60	230	C		1	1	1
FAGU139	0.0	74.0	PS2	P	0	0	0	C	70	230	C		1	1	1

DDH: FAGU139 UTM-N: 904,865.0 UTM-E: 592,347.8 UTM-ELEV: 1,153.4 TOTAL DEPTH: 76.2 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 .312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGU139	42.7	44.2	NMN				0	0	C	C	0	0	1
FAGU139	53.3	53.6	G				0	0	C	C	0	0	1
FAGU139	53.6	54.0	B1G				0	0	C	C	0	0	1
FAGU139	54.0	55.8	B				0	0	C	C	0	0	1
FAGU139	55.8	56.1	G				0	0	C	C	0	0	1
FAGU139	56.1	56.7	B				0	0	C	C	0	0	1
FAGU139	0.0	56.7	G				0	0	C	C	0	0	1
FAGU139	0.0	62.5	G				0	0	99	999	0	0	1

DOWN HOLE SPLITNES (DH020)

PAGE: 7

UTM-N: 904 845.0 UTM-E: 592,347.8 UTM-ELEV: 1,153.4 TOTAL DEPTH: 76.2 SECTION: W 70
RFE: S7 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DGH SEGMENT NOS COND INDICATOR

FAGU139 1 1

DIAMOND DRILL CORE LOG

Date: 25 AUG 81

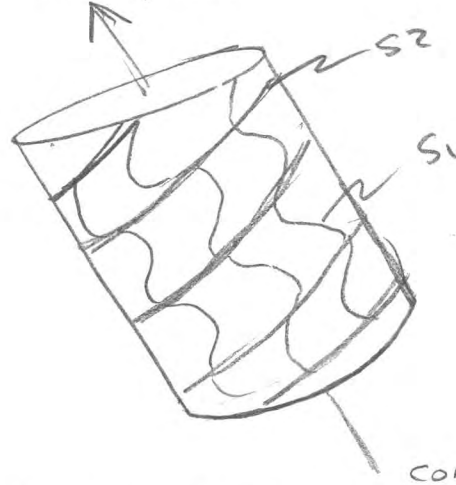
Hole Number: FAGU 139

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

Az 224 +75

Location: 70W



Claim: _____

U.T.M. Terr. Plane

Co-ords.: 6904864.965 N

592347.8 E

Grid Co-ords: _____

Elevation: 1154.0

All symmetry determinations looking

Total Depth: 76.2

MW with S2 dipping

Purpose: GRUM U/B.

SW with dip azimuth 230

Reason hole Terminated: _____

Logged by: DSJ - JGS

Date(s) Logged: 25 AUG 81

Drilling Contractor: C&M.

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>76.2</u>	
_____	_____	_____	
_____	_____	_____	

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

conclusion of K-A surveyed grid co-ords

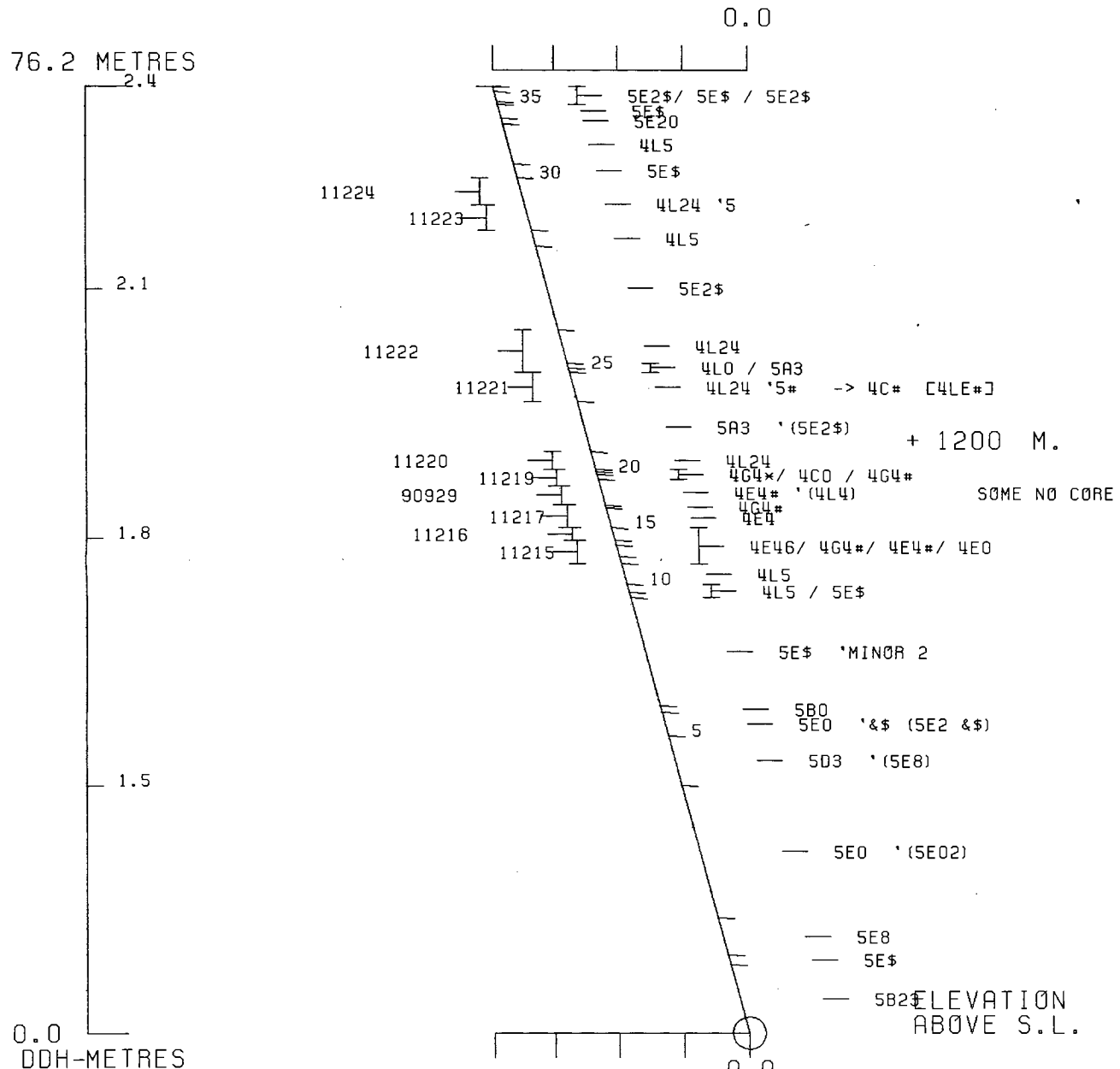
Lithologic Log

Date: 25 AUG 81

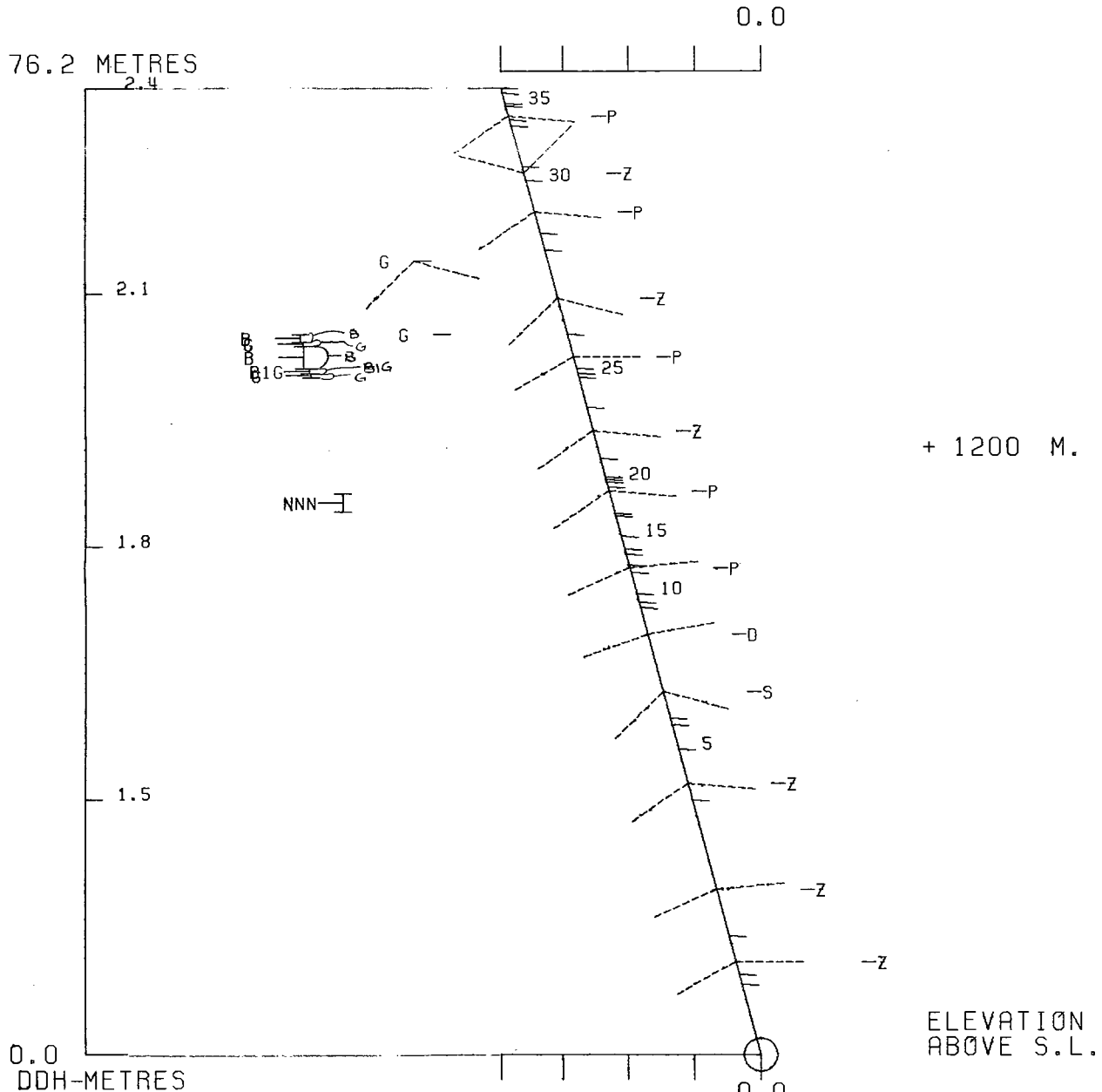
Logged By: DST JGS

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
L		100		155				101	51B123	V. calc carb phyll → carb phyll marble
L		155		163				102	51E*	DOL Bull-Cream
L		163		193				103	51E8	chl. phyll marble
L		193		200				104	51E0	wkly graph (5E02) Calc variable univ.
L		200		240				105	51D31	(5E8) Trans SD calc & chlcr phyll marble.
L		240		259				106	51E0	(5E2) wkly calc mostly DOL
L		259		264				107	51B0	v. Calc.
L		264		351				108	51F9	Fertly wk. graph, DOL
L		351		355				109	41L51	alt o/p on 5E
L		355		362				110	51E*	DOL Bull cream
L		362		379				111	41L51	wkly DOL alt o/p on 5E0
L		379		385				112	41E46	
L		385		394				113	41G4*	CALC
L		394		398				114	41E4*	CALC
L		398		408				115	41E01	
L		408		424				116	41E41	
L		424		426				117	41G4*	CALC
L		426		447				118	41E41*	CALC (4L4)
L		447		451				119	41G4*	
L		451		453				120	41C01	
L		453		455				121	41G41*	CALC
L		455		469				122	41L24	
L		469		509				123	51A3	(5E2 Fe Mg)
L		509		533				124	41L245	→ 4C phyll wkly CALC in 4E beds overall 4L
L		533		536				125	41L01	GOUGE MIL/ATT
L		536		540				126	51A3	Bkn Calc mixed gouge MIL/ATT
L		540		567				127	41L24	Bkn gouge MIL/ATT 13 m sec. 558-561 GOUGE
L		567		634				128	51E2	Fe mgr carb GOUGE 1cm top 2cm. G. 62.5 11.5E
L		634		647				129	41L51	
L		647		689				130	41L245	
L		689		700				131	51E*	DOL Bull Cream
L		700		732				132	41L51	mixt (4L54) overprint on 5E
L		732		737				133	51E2	Calc & dol
L		737		748				134	51E*	DOL Bull Cream
L		748		750				135	51E2*	DOL
L		750		758				136	51E*	DOL BEIGE

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		26.2: Decrease in calcitic constituent. Change is gradual-contact arbitrary. Rx becoming normal Sericite Phyllite (S)., with trace calcite and chlorite.															
26.2	35.2	SERICITE PHYLLITE W/TRACE CALCITE AND CHLORITE (S+C+K). Competent. Foliation = 85-90°; F = 0-5°. Calcite as randomly oriented stringers.	7.8		26.2	35.2	9.0										
		28.7-28.8: Small fault. Light gray gouge with phyllite fragments and sericite flakes.															
		32.2-32.4: FAULT. Small interval grayish gouge with phyllite flakes.															
		35.2: Gradual change to Bleached Sericite Phyllite (Sb).															
35.2	37.0	BLEACHED SERICITE PHYLLITE (Sb). Poker chips. Light to silvery gray. Foliation = 85-90°. F = 0-5°. Trace calcite in thin laminae.	1.7		35.2	37.0	1.8										
		37.0: Gradual change to Quartz-sulfide with bleached sericite laminae (P-Sb).															
37.0	47.0	QUARTZ-SULFIDE W/BLEACHED PHYLLITE (P-Sb), slowly changing to massive sulfide (M) @ 38.5. Foliation = 85-90° @ 40 8	2.1	3980	37.0	39.6	2.6	6.35	6.50	86.74			16.51	16.90	225.5		
		37-38.5. Compositional banding = 80-85° @ 39-39.5. 75 6	1.0	3981	(39.6	40.0	0.4)						(1.03	0.30	14.5)		
					39.6	41.1	1.5	2.58	0.75	36.34			3.87	1.13	54.5		



ELEV: 1153 592348E ; 904865N
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 433.7 Z = 1153.6
SECTION NAME: 70W



DDH: FAGU139 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1153 592348E ; 904865N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 433.7 Z = 1153.6

SECTION NAME: 70W

FAGU200

DRILL HOLE : FAGU200
NORTHING : 904,880.6
EASTING : 592,336.5
ELEVATION : 1,147.6
TOTAL DEPTH : 45.7
SECTION : W 71
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CORE-SAMPLES: 12
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 13
NOS DOWN-H-STRUCTURE: 8
NOS DOWN-H-FAULTS: 10
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU200 UTM-N: 904,880.6 UTM-E: 592,336.5 UTM-ELEV: 1,147.6 TOTAL DEPTH: 45.7 SECTION: W 71
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

-----DEPTHS-----						-----ASSAYS-----														
FROM	TO	SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
6.0	7.9	9C742	1.9	1.2	4E4			7.95	15.80	126.20										
7.9	9.4	9C743	1.5	1.1	4E4			9.17	16.40	138.20										
9.4	10.9	9C744	1.5	.9	4E4			8.88	14.23	122.10										
10.9	12.4	9C745	1.5	1.3	4E4			9.94	11.45	147.10										
12.4	13.9	9C746	1.5	.9	4E4			6.30	10.43	100.80										
13.9	15.4	9C747	1.5	.9	5A6			.88	2.38	16.10										
15.4	16.9	9C748	1.5	1.1	4E4			6.63	11.55	110.10										
16.9	18.4	9C749	1.5	1.0	4E4			9.52	15.70	162.50										
18.4	20.0	9C750	1.6	1.0	4E4			8.63	14.68	117.30										
21.3	22.9	9C751	1.6	1.5	4A0			2.33	1.10	31.20										
22.9	24.4	9C752	1.5	1.5	4A4			2.50	4.30	43.50										
24.4	27.0	9C753	2.6	1.4	4A4			2.05	3.45	30.20										

WEIGHTED AVERAGE

6.0	20.0	14.0	9.4	7.56	12.62	115.91
21.3	27.0	5.7	4.4	2.24	3.01	33.98

17FEB84 GRUM

DOWN-HOLE SURVEYS (DP020)

PAGE: 10

WDH: FAGU200 UTM-N: 904,880.6 UTM-E: 592,336.5 UTM-ELEV: 1,147.6 TOTAL DEPTH: 45.7 SECTION: W 71
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	89.300	44.200

DDH: FAGU200 UTM-N: 904,880.6 UTM-E: 592,336.5 UTM-ELEV: 1,147.6 TOTAL DEPTH: 45.7 SECTION: W 71
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.5	OC01	#		0.5-	1
6.0	OC02	5A\$		0.5-	1
13.7	OC03	4E4	& POROUS	0.5-	1
15.0	OC04	5A6		0.5-	1
19.9	OC05	4E4	POROUS	0.5-	1
20.4	OC06	4C5		0.5-	1
21.4	OC07	10C0		0.5-	1
26.9	OC08	4AC	84 -> (4C5) -> (4C0)	0.5-	1
32.8	OC09	5C*4	(4C0)	0.5-	1
33.9	OC10	4L27	84 (10Q\$) 70:30	0.5-	1
37.5	OC11	3GC	89 86 81 (10Q\$)	0.5-	1
38.0	OC12	5D4*		0.5-	1
45.7	OC13	3GC	(10Q\$) (5D4*) MINOR	0.5-	1

17FEB84 GRUM

DOWN-HOLE STRUCTURE (DHC20)

PAGE: 12

DDH: FAGU200 UTM-N: 904,880.6 UTM-E: 592,336.5 UTM-ELEV: 1,147.6 TOTAL DEPTH: 45.7 SECTION: W 71
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SJC	PROCESS
FAGU200	0.0	1.6	CS2		C	0	0	C	20	230	C		1	1	1
FAGU200	0.0	5.0	CS2		0	C	0	C	50	230	C		1	1	1
FAGU200	0.0	14.6	PS2	P	0	C	0	C	30	230	C		1	1	1
FAGU200	0.0	24.0	PS2	P	0	C	0	C	30	230	C		1	1	1
FAGU200	0.0	28.2	PS2	P	0	C	0	C	25	230	C		1	1	1
FAGU200	0.0	30.9	CS2		C	C	0	0	20	230	C		1	1	1
FAGU200	0.0	40.0	PS2	P	0	C	0	C	20	230	C		1	1	1
FAGU200	0.0	44.7	PS2	P	C	C	0	C	5	230	C		1	1	1

DDH: FAGU200 UTM-N: 904,880.6 UTM-E: 592,336.5 UTM-ELEV: 1,147.6 TOTAL DEPTH: 45.7 SECTION: W 71
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CC	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGU200	0.1	1.5	NP				0	0	C	0	0	1	
FAGU200	1.5	6.0	3B				C	0	C	0	0	1	
FAGU200	6.1	7.3	P	6			0	0	C	0	0	1	
FAGU200	7.9	9.1	P	5			0	0	C	0	0	1	
FAGU200	6.0	13.7	XDR				C	0	C	0	0	1	
FAGU200	13.7	15.0	RG				0	0	C	0	0	1	
FAGU200	15.0	19.9	XD				0	0	C	0	0	1	
FAGU200	19.9	20.4	SGF				0	0	C	0	0	1	
FAGU200	20.1	21.4	Q1X				99	999	0	C	0	0	1
FAGU200	23.5	25.9	XD				0	0	C	0	0	1	

17FEB84 GRUM

DOWN-HOLE SPLINES (LHD20)

PAGE: 14

CDH: FAGU200 UTM-N: 904,880.6 UTM-E: 592,336.5 UTM-ELEV: 1,147.6 TOTAL DEPTH: 45.7 SECTION: W 71
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

CDH SEGMENT NOS COND INDICATOR

FAGU200 1 1

71W.

KERR ADDI ASSAY

CYPRUS ANVIL MINING CORPORATION

Page 1 of 5

DIAMOND DRILL CORE LOG

Date: 26 AUG 82

Hole Number: FAGU 200.

Reference Fabric Orientation Diagram:

Project: GRUM RE-LOG

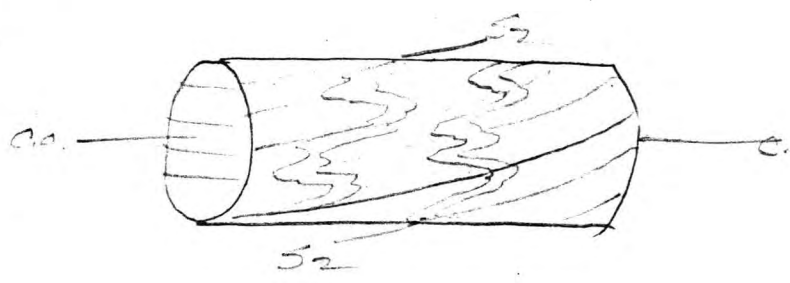
Location: 71W.

Claim: _____

Terr. Plane Co-ords.: 904880.6 N

592336.5 E

Grid Co-ords: _____



Handwritten notes:
direction of
survey
Grid
Co-ords

All symmetry determinations looking

Elevation: 1147.6

NW with S2 dipping

Total Depth: _____

SE with dip azimuth 230.

Purpose: _____

Reason hole Terminated: _____

Logged by: _____

Date(s) Logged: DSJ.

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

Lithologic Log

Date: Aug 26/82 Logged By: DSI/GUMBACO

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	100	115		101		No Recovery
L	115	160		102	51A*	dolo BLACK, graphitic phyllite w homogeneity dist'd Qtz-dolomite lls, lithons Unit too black for SBBZ. Badly broken; recov'y reasonable. No gauge
L	160	1137		103	41E4	± porous w local dev. of sulphide in sulphide bx w 5mm-2cm sub-angular clasts in framework support bx. No CO ₃ ²⁻ weakly banded, rubble over interval w locally poor recov. & 6.1-7.3 ≈ 0.8m and 7.9-9.1 ≈ 0.7m. No gauge
L	1137	1150		104	51A61	Rubble gauge poor rec int? F.
L	1150	1199		105	41E4	Typo TOR hely BX S/S as above REC/OK
L	1199	1204		106	4C5	Sh. GAUGE F/INO
L	1201	1214		107	0Q0	(u/c lls E&I BX F g/h/d?)
L	1214	1269		108	4A0	→ 4C5 → 4C0 Ex TEX to 23.5 BX. 4C5 to 25.9 Uq; 4A0 to 26.3 → 4C0 to E&I 61.4A to 5C* REC/OK.
L	1269	1328		109	51C1*4	(4C0) interleave rust carb 5C4 fresh band or col 4C TEX = 4A = B1 = 50/50 4C/4A .7 to .1 m REC OK.
L	1328	1339		110	4L217	± 4 (0Q* DOL) 70/30
L	1339	1375		111	3G0	± 9,6,4 (0Q* DOL) g/h vein dam m.g.s sd. wk Zn WALL ROCKS whopy sph lls 2
L	1375	1380		112	51D4*	Typo uc gv,
L	1380	1457		113	3G0	(0Q00) wk lamina no carb, ref speckle (5D4*) 40.2-40.6
						END of FLOWE

FAULT

DDH FAGU200
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	E S	S ₀		S ₁		S ₂		Description			
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.				
F	10	14	16	20	22	24	26	28												
F		10	14	16	20	22	24	26	NIP											no recovery
F		15	16	20	22	24	26	28	3.B											badly broken / no gauge
F		16	20	22	24	26	28	32	XDR											sulph in sulph bxa 5mm - 2cm angular clasts rubble
F		16	17	18	19	20	21	22	P ₁	6										0.8m / 1.2m recovery ? no
F		17	19	20	21	22	23	24	P ₁	5										0.7m / 1.2m recovery & gauge
F		13	17	20	22	24	26	28	RIG											rubble & gauge
F		15	20	22	24	26	28	32	XDI											sulph on sulph bxa locally - as above
F		19	20	21	22	23	24	25	SIGF											INO shear gauge
F		12	10	11	12	13	14	15	Q11X	9.9	9.9	9.9								lower cut bxa, gts veins upper cut 11 S ₂
F		23	25	26	27	28	29	30	XDI											bxa in 4C5

DIAMOND DRILL RECORD

LOGGED BY Alexander Young Sr

D.D.H. No. 76-11-200 PAGE 13

PROPERTY GREEN JOINT VENTURE

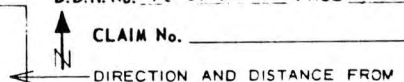
LATITUDE 10502.002 71W BEARING OF HOLE 044

STARTED Sept 19, 1976

CLAIM No. _____

DEPARTURE 7,000.151 2N DIP OF HOLE 0 + 0° 23'

COMPLETED Sept 20 1976



DIRECTION AND DISTANCE FROM

ELEVATION _____ DIP TESTS None

Proposed: _____
Ultimate: 150-457

NE. CLAIM POST

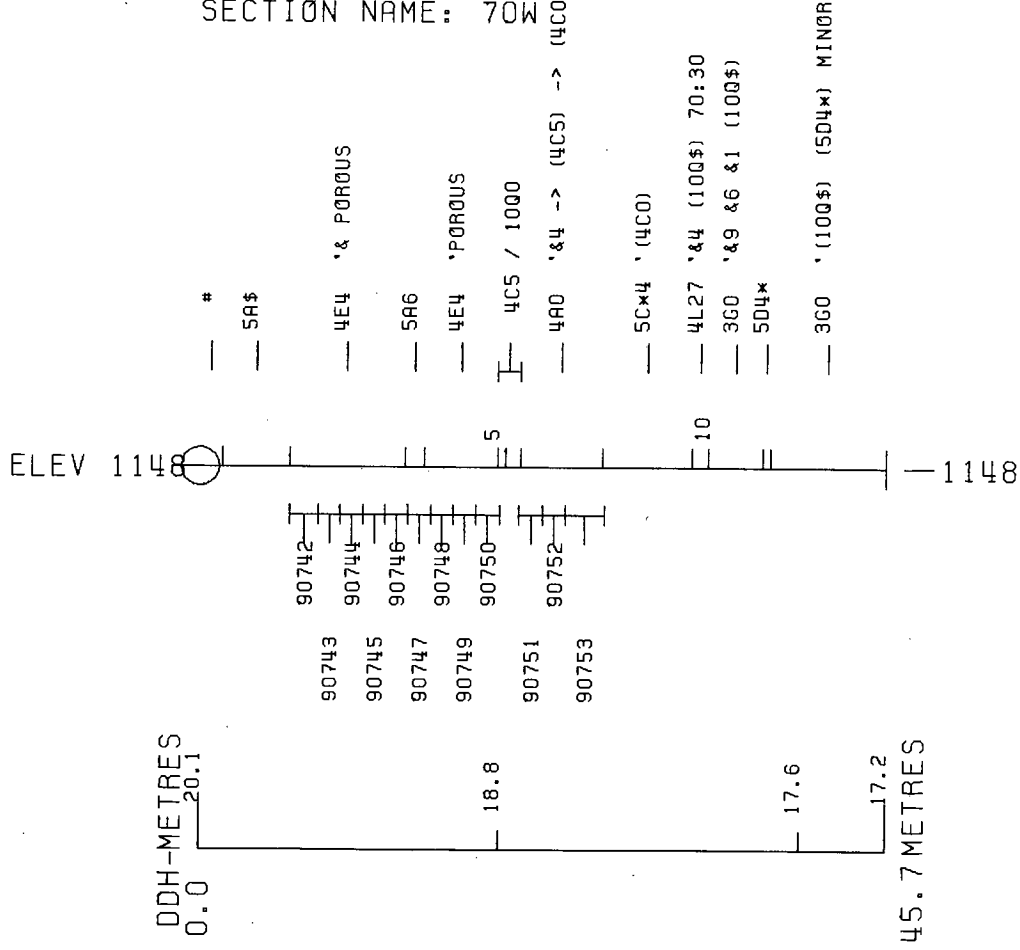
TOTAL CORE RECOVERY 82%

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	6	Graphitic phyllite (G) - soft flaky conc. (weakly mineralized Py 2% Pb 2% 1%) Foliation @ 40-45°. Fr @ 0-5 Sulfides in both foliation 60 - abrupt change to massive sulfide (M), Contact broken ground.	4.2	1	0	6	6										
6	20	Massive sulfide, porous matrix w/ some structurally unit (M+M'). Broken friable (porous) to hard and brittle (structural type). Veins aligned @ 30° ~ 38°. 157-158 - alternating intervals of graphitic phyllite and sulfides (G-M) contacts broken ground. 137-14 - Shaded.	45.12	12	69B	8.0	7.9	1.0	1.95	5.3	26.13						
			45.15	11	62B	7.9	9.4	1.5	9.17	4.40	38.13						
			45.20	9	62B	9.4	10.9	1.5	9.88	14.23	52.00						
			45.15	13	62B	10.9	12.4	1.5	9.44	11.25	49.04						
			40	8	0.9	62B	12.4	13.9	1.5	6.30	16.43	16.40					
			20	4	0.9	62B	13.9	15.4	1.5	6.58	2.93	16.11					
			25	8	1.1	62B	15.4	16.9	1.5	6.63	1.50	16.00					
9		20 - abrupt contact w/ mineralized graphitic phyllite (Pg) Contact broken ground - FAULT CONTACT. black thick sticky gouge	45	10	10	62B	16.9	18.4	1.5	9.52	15.30	12.52					
			45	10	10	62B	18.4	20.0	1.6	8.63	10.63	13.20					
			3	11	13	✓	20.0	21.3	1.3	(BULL RTZ)							
20	270	Mineralized graphitic phyllite (Pg) Compstent	45	8	15	62B	21.3	22.9	1.6	5.33	1.10	3.20					

DDH: FAGU200 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1148 592337E ; 904881N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 437.8 Z = 1151.5
 SECTION NAME: 70W (4CO)



CYPRUS ANVIL MINING CORPORATION
 PROGRAM DH162 27 NOV 1984 10:17 AM

DDH: FAGU200 -- 42 DEGREE PROFILE

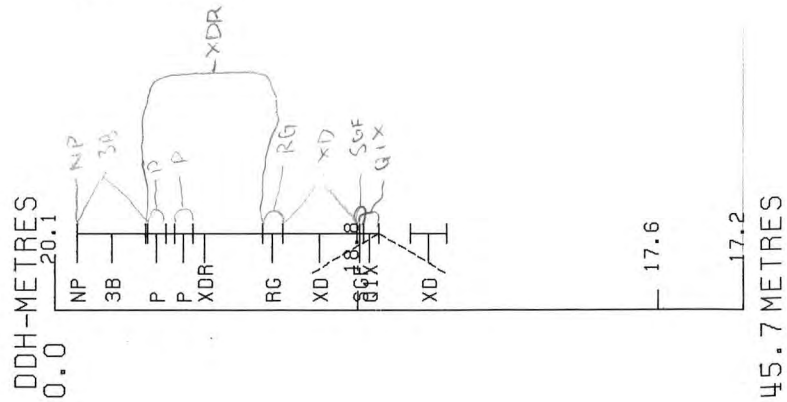
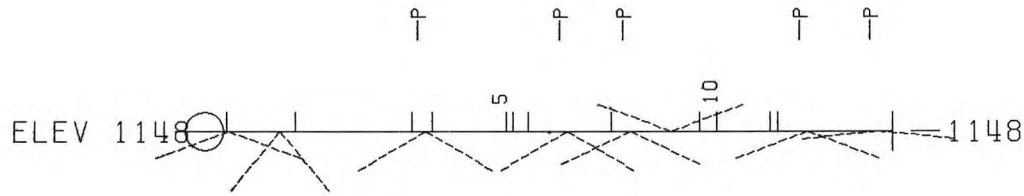
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1148 592337E ; 904881N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 437.8 Z = 1151.5

SECTION NAME: 70W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 27 NOV 1984 10:43 AM

FAGU201

DRILL HOLE : FAGU201
NORTHING : 904,926.2
EASTING : 592,329.6
ELEVATION : 1,142.2
TOTAL DEPTH : 54.9
SECTION : W 72
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: 0
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLDGY: 1
NOS DOWN-H-STRUCTURE: 0
NOS DOWN-H-FAULTS: 0
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

08FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 26

DDH: FAGU201 UTM-N: 904,926.2 UTM-E: 592,329.6 UTM-ELEV: 1,142.2 TOTAL DEPTH: 54.9 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	90.500	163.700

08FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 27

DDH: FAGU201 UTM-N: 904,926.2 UTM-E: 592,329.6 UTM-ELEV: 1,142.2 TOTAL DEPTH: 54.9 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
54.9	OC01	XXXXX	NOT LOGGED BY CAMC	0.0	1

08FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 28

DDH: FAGU201 UTM-N: 904,926.2 UTM-E: 592,329.6 UTM-ELEV: 1,142.2 TOTAL DEPTH: 54.9 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHC CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

FAGU201 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU 201

Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: _____

UTM ~~Terr.~~ Plane
Co-ords.: 6904926.202 N

*inversion of
A surveyed
grid co-ords*
592329.6261 E

Grid
Co-ords.: 726/4N

All symmetry determinations looking

_____ with _____ dipping

Elevation: 1142.225 m. _____ with dip azimuth _____.

Total Depth: 54.9 m.

Purpose: _____

Logged by: _____ Date(s) Logged: _____

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

Started: Sept 21/76 Completed: Sept 21/76

DIAMOND DRILL RECORD

LOGGED BY Alexander Young Po

D.D.H. NO 76-11-201 PAGE 1/2

PROPERTY GRUM JOINT VENTURE

LATITUDE 72W STARTED Sept. 21, 1976

DEPARTURE 4N COMPLETED Sept 21, 1976

ELEVATION _____ PROPOSED DEPTH _____
 ULTIMATE DEPTH 180 ~ 54.9 m

HOLE SURVEY		
DEPTH	BEARING	DIP
collar	(184) 1/2	0



CLAIM NO _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 80.1%

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay 2				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	3.5	Bleached sericite Reef with prominent fuchsite laminae. Trace calcite. Foliation 4.5 ~ 10°	1.4		0	3.5	3.5										
		0-2.1 - Pebbly. Low core recovery		17A	2.5	2.5	60	2.20	2.30	0.00							
		3.5 - Abrupt change to mineralized graphitic phyllite (Pg). Contact breccia quartz.		"	2.5	4.5	60	2.20	1.70								
				"	15.5	23.5	70	2.10	1.50	0.00							
					21.5	26.0	25	2.12	3.30	0.00							
3.5	35.0	Mineralized graphitic phyllite (Pg). Competent. Foliation F ₂ 5 ~ 10° F ₁ 75 ~ 85°	30.7	28	631B	3.5	60	30	4.00	0.00	0.00						
		Sulfides in both foliation.	15.4	28	632B	9.5	12.5	30	1.00	0.00	0.00						
		9 ~ 9.2 ~ shear.	20.4	30	64A	12.5	15.5	30	1.00	0.00	0.00						
		24.5 ~ increasing sulfide showing. White sulfide beds.	20.5	27	635B	15.5	18.5	30	0.00	0.00	0.00						
			15.8	30	636B	18.5	21.5	30	0.00	0.00	0.00						
		35.0 ~ 35.3 - FRUIT BARK sticky thick gouge.	15.8	30	637B	21.5	24.5	30	0.00	0.00	0.00						
		Contact w/ porous massive sulfide (MS).	30.8	15	638B	24.5	26.0	15	0.00	0.00	0.00						
35	42.7	Porous Massive Sulfide (MS). Friable breccia core. Some solid short core, show barite in gneiss.	40.9	15	639B	26.0	27.5	15	0.00	0.00	0.00						
			40.6	15	64A	27.5	29.0	15	0.00	0.00	0.00						

Interval		DESCRIPTION	Recovery		Sample No	Interval		Sample Length	Assay				Assay x		
From	To					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
		<i>42.7 - Change to barite-10-grd mass sulfides variety (44b). Contact broken gnd.</i>	<i>33</i>	<i>4</i>	<i>1.4</i>	<i>642B</i>	<i>30.5</i>	<i>32.0</i>	<i>1.5</i>						
			<i>40</i>	<i>8</i>	<i>1.3</i>	<i>643B</i>	<i>32.0</i>	<i>33.5</i>	<i>1.5</i>						
<i>42.7</i>	<i>52.4</i>	<i>Massive sulfide in barite gnd mass (M6+M7) and short runs of perovite variety. Generally competent except for the friable perovite inter-val @ 45.1 ~ 45.2; 49.8 ~ 50</i>	<i>30</i>	<i>12</i>	<i>1.0</i>	<i>644B</i>	<i>33.5</i>	<i>36.6</i>	<i>3.1</i>						
			<i>65</i>	<i>15</i>	<i>0.8</i>	<i>645B</i>	<i>36.6</i>	<i>38.1</i>	<i>1.5</i>						
			<i>65</i>	<i>12</i>	<i>1.0</i>	<i>646B</i>	<i>38.1</i>	<i>41.1</i>	<i>3.0</i>						
			<i>50</i>	<i>12</i>	<i>1.2</i>	<i>647B</i>	<i>41.1</i>	<i>44.2</i>	<i>3.1</i>						
		<i>45.5 ~ 45.7 - Sulfide br (Mx3). Sulfide fragments $\phi \approx 1$ mm ~ 1/5 cm cemented by sulfide.</i>	<i>60</i>	<i>15</i>	<i>1.4</i>	<i>648B</i>	<i>44.2</i>	<i>45.7</i>	<i>1.5</i>						
		<i>Compositional band ba/sulfide $\approx 15-20^\circ$</i>	<i>50</i>	<i>12</i>	<i>1.0</i>	<i>650B</i>	<i>47.2</i>	<i>48.8</i>	<i>1.5</i>						
		<i>52.4 - Sharp clean contact w/ blacked sericite phyllite (sb) $\approx 15^\circ$</i>	<i>50</i>	<i>12</i>	<i>1.3</i>	<i>651B</i>	<i>48.8</i>	<i>50.3</i>	<i>1.5</i>						
			<i>45</i>	<i>10</i>	<i>2.3</i>	<i>652B</i>	<i>50.3</i>	<i>52.8</i>	<i>2.5</i>						
<i>52.4</i>	<i>52.8</i>	<i>Blackish sericite phyllite (sb) Competent Silvery white soft core near first contact ~ shred. Foliation $\approx 20^\circ$</i>													
							<i>44.2</i>	<i>46.1</i>	<i>1.5</i>						
							<i>47.2</i>	<i>49.0</i>	<i>2.1</i>						
		<i>52.8 - Sharp contact w/ graphitic phyllite (G). Contact $\approx 35^\circ$</i>													
<i>52.8</i>	<i>54.9</i>	<i>Graphitic phyllite (G). Broken flaky core. Foliation \approx fissility $\approx 5 \sim 10^\circ$. Py in clusters and/or isolated kliba. Py $\approx 3\%$. Pb + Zn. Trace.</i>			<i>2.0</i>	<i>52.8</i>	<i>52.8</i>	<i>54.9</i>	<i>2.1</i>						

DDH: FAGU201 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

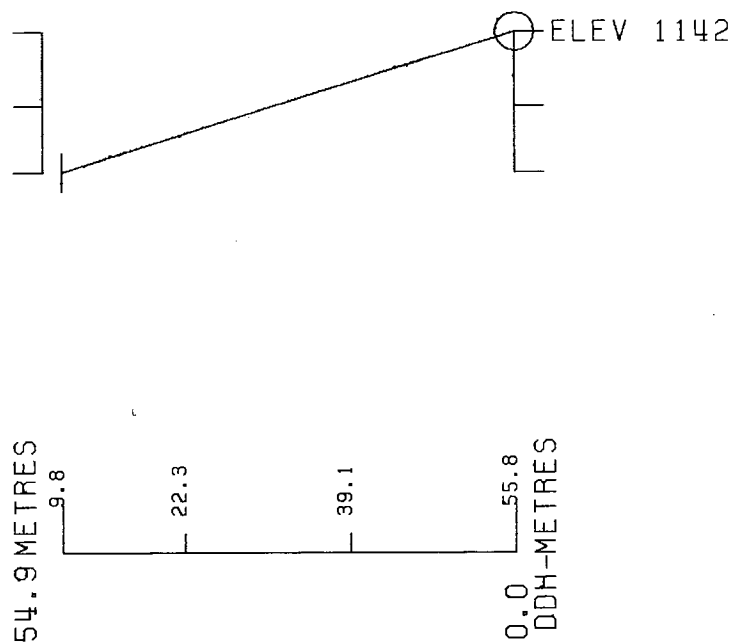
ELEV: 1142 592330E ; 904926N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 467.0 Z = 1153.1

SECTION NAME: 70W

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 27 NOV 1984 10:38 AM



DDH: FAGU201 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

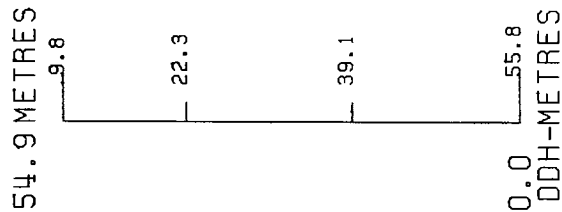
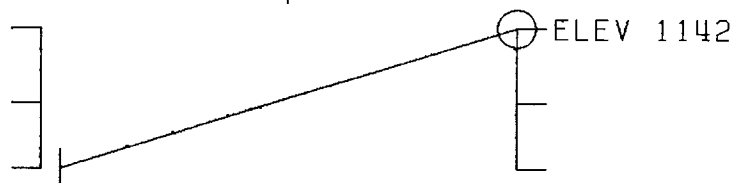
ELEV:1142 592330E ; 904926N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 467.0 Z = 1153.1

SECTION NAME: 70W

XXXXX NOT LOGGED BY CAMC



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 27 NOV 1984 10:32 AM

FAGV202

CRILL HOLE : FAGU202
NORTHING : 904,926.2
EASTING : 592,329.7
ELEVATION : 1,142.2
TOTAL DEPTH : 45.7
SECTION : W 72
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
CHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

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

08FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 30

DDH: FAGU202 UTM-N: 904,926.2 UTM-E: 592,329.7 UTM-ELEV: 1,142.2 TOTAL DEPTH: 45.7 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	90.400	122.400

08FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 31

DDH: FAGU202 UTM-N: 904,926.2 UTM-E: 592,329.7 UTM-ELEV: 1,142.2 TOTAL DEPTH: 45.7 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
45.7	OGG1	XXXXX	NOT LOGGED BY CAMC	0.0	1

08FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 32

DDH: FAGU202 UTM-N: 904,926.2 UTM-E: 592,329.7 UTM-ELEV: 1,142.2 TOTAL DEPTH: 45.7 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DUH SEGMENT NOS COND INDICATOR

FAGU202 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU 202

Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: _____

Terr. Plane

UTM Co-ords.: 6904926.248 N

*inversion of
A surveyed grid
co-ords*
_____ E

Grid

Co-ords.: 72W / 4N

All symmetry determinations looking

_____ with _____ dipping

Elevation: 1142.237

_____ with dip azimuth _____.

Total Depth: 45.7m.

Purpose: _____

Logged by: _____ Date(s) Logged: _____

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

Started: SEPT 21/76 Completed: SEPT 22/76

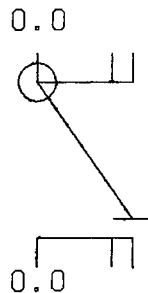
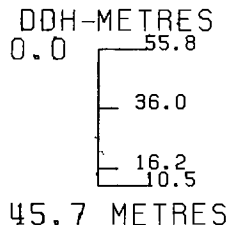
DDH: FAGU202 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1142 592330E ; 904926N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 467.1 Z = 1153.0

SECTION NAME: 70W



ELEVATION
ABOVE S.L.
+ 1150 M.



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 27 NOV 1984 10:40 AM

DDH: FAGU202 -- 42 DEGREE PROFILE

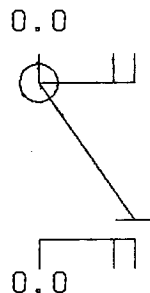
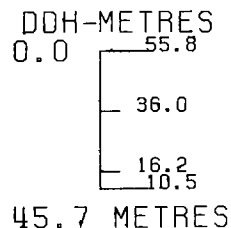
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1142 592330E ; 904926N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 467.1 Z = 1153.0

SECTION NAME: 70W



ELEVATION
ABOVE S.L.

+ 1150 M.

— XXXXX NOT LOGGED BY CAMC



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 27 NOV 1984 10:33 AM

FAGU203

DRILL HOLE : FAGU203
NORTHING : 904,933.5
EASTING : 592,335.2
ELEVATION : 1,142.2
TOTAL DEPTH : 73.2
SECTION : W 72
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

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

08FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 34

DDH: FAGU203 UTM-N: 904,933.5 UTM-E: 592,335.2 UTM-ELEV: 1,142.2 TOTAL DEPTH: 73.2 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	90.800	81.500

08FEB84 GRUM

DOWN-HOLE LITHOLOGY (OH020)

PAGE: 35

DDH: FAGU203 UTM-N: 904,933.5 UTM-E: 592,335.2 UTM-ELEV: 1,142.2 TOTAL DEPTH: 73.2 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
73.2	OCC1	XXXXX	NOT LOGGED BY CAMC	0.0	1

08FEB84 GRUM

DOWN-HOLE SPLINES (DMO20)

PAGE: 36

DDH: FAGU203 UTM-N: 904,933.5 UTM-E: 592,335.2 UTM-ELEV: 1,142.2 TOTAL DEPTH: 73.2 SECTION: W 72
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

FAGU203 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU 203

Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: _____

UTM Terr. Plane

Co-ords.: 6904933.48 N

*extension of
L-A surveyed grid
co-ords*

592335.2055 E

Grid
Co-ords.: 72W/4N

All symmetry determinations looking

_____ with _____ dipping

Elevation: 1142.156

_____ with dip azimuth _____.

Total Depth: 73.2m.

Purpose: _____

Logged by: _____

Date(s) Logged: _____

Drilling
Contractor: _____

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

Started: SEPT 22/76 Completed: SEPT 22/76

DDH: FAGU203 -- 42 DEGREE PROFILE

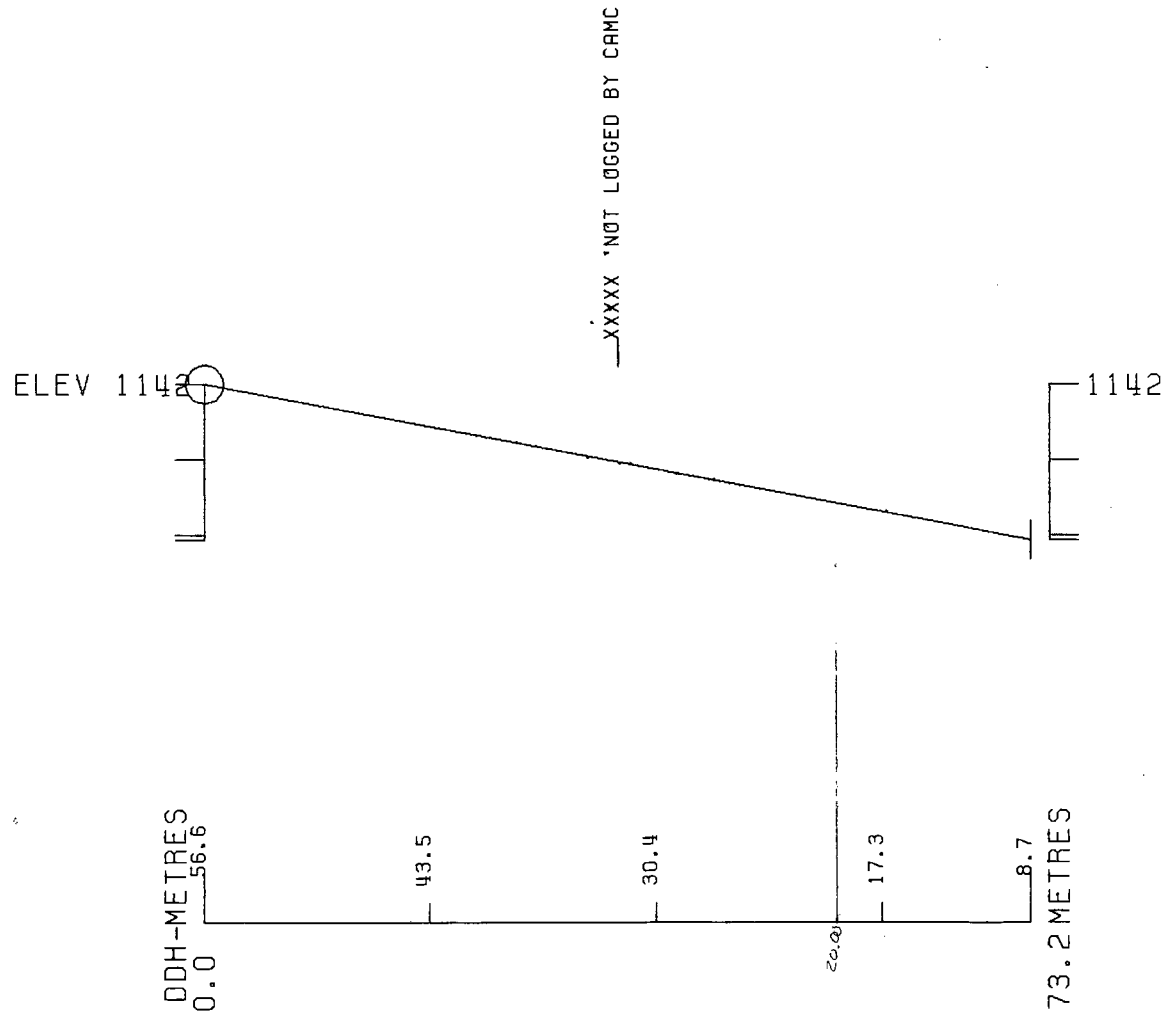
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1142 592335E ; 904934N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 476.2 Z = 1153.2

SECTION NAME: 70W

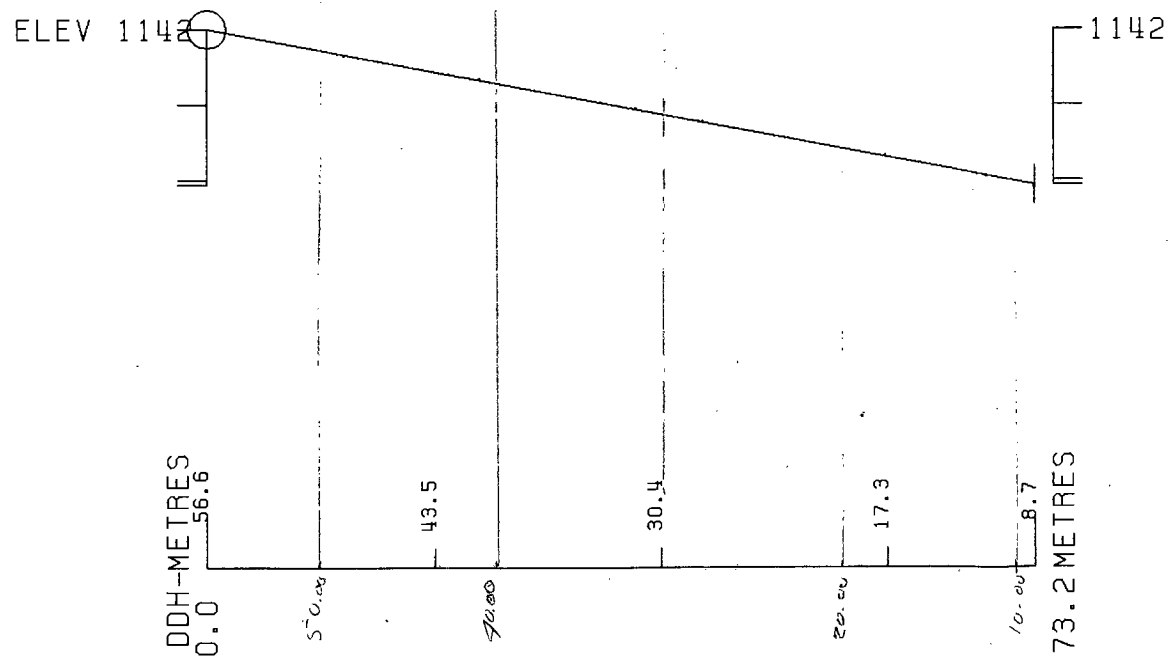


CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 27 NOV 1984 10:34 AM



DDH: FAGU203 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1142 592335E ; 904934N
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 476.2 Z = 1153.2
SECTION NAME: 70W



✳
CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 27 NOV 1984 10:41 AM