

GRUM DEPOSIT

SECTION 76W

. 2 of 3.

015046

FAGU058

DRILL HOLE : FAGU058
NORTHING : 905,002.4
EASTING : 592,227.5
ELEVATION : 1,125.7
TOTAL DEPTH : 106.7
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 25
NOS DOWN-H-SURVEYS: 3
NOS DOWN-H-LITHOLOGY: 39
NOS DOWN-H-STRUCTURE: 19
NOS DOWN-H-FAULTS: 4
NOS DOWN-H-SPLINES: 3
NOS COMPOSITES: 0

DDH: FAGU058 UTM-N: 905,002.4 UTM-E: 592,227.5 UTM-ELEV: 1,125.7 TOTAL DEPTH: 106.7 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC; 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS													
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
.0	2.1	06950	2.1	1.5	4E4	4.74	.26	2.70	3.10	41.00	43.00	1.85	1	37	38					
2.1	4.2	06951	2.1	2.1	4E4	4.92	.28	4.79	7.40	58.99		2.81	1	35	37					
4.2	5.9	06952	1.7	1.3	4G4	4.80	.27	6.40	9.30	105.00		1.98		21	22					
5.9	7.6	06953	1.7	1.5	4G4	4.67	.17	7.20	12.69	163.00		2.06		15	15					
7.6	9.0	06954	1.4	1.3	4E4	4.59	.07	7.49	12.40	99.00		1.16	1	27	29					
9.0	9.7	06955	.7	.5	5C*	2.93	.01	.17	.31	1.99		.20	6	1	8					
9.7	10.2	06956	.5	.5	4L0	3.37	.02	.66	1.05	6.99		.27	3	13	17					
10.2	11.7	06957	1.5	1.3	4E4	3.74	.07	1.77	3.29	36.00		.62	6	21	27					
11.7	13.0	06958	1.3	1.2	5A6	3.00	.05	.42	.58	3.00		.20	3	4	7					
13.0	13.7	06959	.7	.6	5C3	3.68	.16	3.89	7.09	80.00		.40	6	15	21					
13.7	14.7	06960	1.0	1.0	5B12	2.99	.04	.62	1.31	6.00	10.00	1.16	3	2	5					
14.7	15.7	06961	1.0	.8	4E4	4.83	.28	9.59	19.80	139.00		.34	2	20	23					
15.7	16.6	06962	.9	.8	4G4	4.55	.24	5.79	15.90	86.00		.47		16	17					
16.6	17.6	06963	1.0	1.0	4E4	4.59	.40	5.79	15.49	87.00		1.85	1	23	24					
17.6	18.5	06964	.9	.9	4E4	4.40	.17	7.40	18.00	119.99		1.98	1	24	25					
26.6	28.3	06965	1.7	1.5	4E10	3.20	.11	.76	.80	7.99		.20	8	12	20					
87.1	88.3	06966	1.2	1.1	4E84	4.42	.20	6.79	3.49	72.00		1.16	12	25	37					
88.3	89.4	06967	1.1	1.0	4E84	4.50	.20	7.99	3.39	97.00		1.78	6	28	35					
89.4	91.1	06968	1.7	1.4	4E0	4.46	.34	.55	.40	21.00		1.30	3	39	42					
91.1	92.7	06969	1.6	1.5	4E0	4.44	.31	.52	.64	19.00		1.23	2	38	40					
92.7	94.3	06970	1.6	1.2	4E4	4.32	.14	4.70	4.29	78.00		1.58	2	30	32					
94.3	96.3	06971	2.0	1.9	4E0	4.57	.20	1.87	1.11	47.00	48.00	1.54	1	36	37					
96.3	98.0	06972	1.7	1.7	4E4	4.08	.20	3.20	1.60	58.99		1.51	4	28	33					
98.0	98.6	06973	.6	.3	5D4\$	3.33	.14	.28	.17	13.99		.40	4	15	19					
98.6	99.8	06974	1.2	.9	4E4#	4.04	.08	5.92	7.20	92.00		.81	4	19	24					

WEIGHTED AVERAGE

.0	18.5		18.5	16.3		4.28	.18	4.52	8.39	72.45	5.42	1.36	2	21	23					
26.6	28.3		1.7	1.5		3.20	.11	.76	.80	7.99		.20	8	12	20					
87.1	99.8		12.7	11.0		4.31	.21	3.36	2.37	54.88	7.55	1.35	4	30	35					

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 52

DDH: FAGU058 UTM-N: 905,002.4 UTM-E: 592,227.5 UTM-ELEV: 1,125.7 TOTAL DEPTH: 106.7 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	88.300	223.700
76.200	92.000	230.000
106.700	92.000	228.000

DDH: FAGU058 UTM-N: 905,002.4 UTM-E: 592,227.5 UTM-ELEV: 1,125.7 TOTAL DEPTH: 106.7 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
4.2	0001	4E4	&POROUS (4E0)	0.5-	1
7.6	0002	4G4	(4E46)	0.5-	1
9.0	0003	4E4	86 &1 (5B16) MINOR	0.5-	1
9.7	0004	5C*	(5C3) 70:30	0.5-	1
10.2	0005	4L0	(4C0) (506) MINOR	0.5-	1
11.7	0006	4E4	(5B126)(4E14SERICITIC)47:13:40	0.5-	1
13.0	0007	5A6	(5B126)	0.5-	1
13.7	0008	5C3	(4E4) (4E1)	0.5-	1
14.7	0009	5B12	6	0.5-	1
15.7	0010	4E4	(4G4)	0.5-	1
16.6	0011	4G4		0.5-	1
18.5	0012	4E4	(4G4) 75:25	0.5-	1
22.7	0013	5B26	9 SPHAL (5A69) (5B1269)	0.5-	1
23.7	0014	3D7	89 B10	0.5-	1
26.6	0015	3G0		0.5-	1
28.3	0016	4E10	BXA	0.5-	1
28.9	0017	4L1		0.5-	1
38.4	0018	5B0	(5B20)	0.5-	1
39.7	0019	5B0	(5D0)	0.5-	1
44.2	0020	5C3	(5B80)	0.5-	1
52.3	0021	5D0		0.5-	1
53.2	0022	5E4	[5C43]	0.5-	1
58.4	0023	5D0	[5F3] [5B80]	0.5-	1
66.8	0024	5B80	[5D0 PHYLLITIC]	0.5-	1
69.0	0025	5B0	82 (5D0)	0.5-	1
70.0	0026	5D0		0.5-	1
73.1	0027	5B0	[5D0 PHYLLITIC]	0.5-	1
82.3	0028	5D0		0.5-	1
84.2	0029	5B40	86 [5D0 PHYLLITIC]	0.5-	1
85.8	0030	10Q0		0.5-	1
87.1	0031	5B6		0.5-	1
89.4	0032	4E84		0.5-	1
92.7	0033	4E0		0.5-	1
94.3	0034	4E4		0.5-	1
96.3	0035	4E0	(4E4)	0.5-	1
98.0	0036	4E4	(4E0)	0.5-	1
98.6	0037	5D4\$	[5F4\$] (4E0)	0.5-	1
99.8	0038	4E4#	&POROUS	0.5-	1
106.6	0039	4L0	82 &3	0.5-	1

DDH: FAGU058 UTM-N: 905,002.4 UTM-E: 592,227.5 UTM-ELEV: 1,125.7 TOTAL DEPTH: 106.7 SECTION: W 76
 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
FAGU058	0.0	0.2	CS2	S	0	0	0	0	70	230	0		1	1	1
FAGU058	0.0	6.2	CS2		0	0	0	0	57	230	0		1	1	1
FAGU058	0.0	12.2	CS2		0	0	0	0	55	230	0		1	1	1
FAGU058	0.0	17.0	CS2	S	0	0	0	0	40	230	0		1	1	1
FAGU058	0.0	24.0			0	0	0	0	1	230	0		1	1	1
FAGU058	0.0	30.0			0	0	0	0	7	230	0		1	1	1
FAGU058	0.0	36.0			0	0	0	0	3	230	0		1	1	1
FAGU058	0.0	42.0			0	0	0	0	6	230	0		1	1	1
FAGU058	0.0	48.0			0	0	0	0	52	230	0		1	1	1
FAGU058	0.0	54.0			0	0	0	0	25	230	0		1	1	1
FAGU058	0.0	60.0			0	0	0	0	1	230	0		1	1	1
FAGU058	0.0	66.0			0	0	0	0	20	230	0		1	1	1
FAGU058	0.0	72.0			0	0	0	0	14	230	0		1	1	1
FAGU058	0.0	78.0			0	0	0	0	1	230	0		1	1	1
FAGU058	0.0	83.0			0	0	0	0	5	230	0		1	1	1
FAGU058	0.0	89.0	CS2	S	0	0	0	0	18	230	0		1	1	1
FAGU058	0.0	95.0	CS2	S	0	0	0	0	25	230	0		1	1	1
FAGU058	0.0	101.0			0	0	0	0	3	230	0		1	1	1
FAGU058	0.0	106.0			0	0	0	0	6	230	0		1	1	1

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DOWN-HOLE FAULTS (DH020)

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DDH: FAGU058 UTM-N: 905,002.4 UTM-E: 592,227.5 UTM-ELEV: 1,125.7 TOTAL DEPTH: 106.7 SECTION: W 76
 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	
FAGU058	0.0	9.7	X				0	0	0	0	1
FAGU058	26.6	28.3	X				0	0	0	0	1
FAGU058	38.9	39.0	G				17	180	0	0	1
FAGU058	84.2	85.8	Q				0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 56

DDH: FAGU058 UTM-N: 905,002.4 UTM-E: 592,227.5 UTM-ELEV: 1,125.7 TOTAL DEPTH: 106.7 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU058	1	2
FAGU058	2	2
FAGU058	3	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 10:57:57

CYPRUS ANVIL MINING CORPORATION

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DIAMOND DRILL CORE LOG

Date: 1 July /81

Hole Number: FAGU-58 (76-U-58)

Reference Fabric Orientation Diagram:

Project: GRUM

Location: SECTION 76 W

Claim: _____

Terr. Plane Co-ords.: 6 905 002.4 N

592 227.5 E

Grid Co-ords: 2+19m N

76+00m W

Elevation: 1125.7m

Total Depth: 106.6m

Purpose: RELOG GRUM

Reason hole Terminated: _____

Logged by: GG

Date(s) Logged: 29-30 JUNE/81

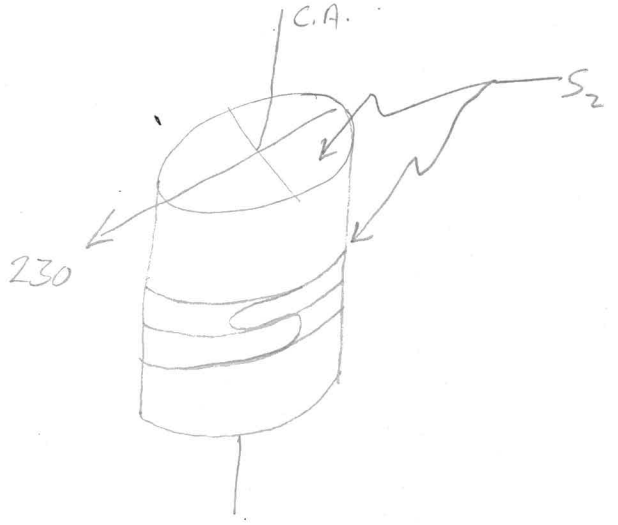
Drilling Contractor: CAMERON McCUTCHEON

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0.0</u>	<u>106.6m</u>	
_____	_____	_____	
_____	_____	_____	

Hole Cemented: _____

Steel down pipe: _____

Started: 5 APRIL/76 Completed: 6 APRIL/76



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230°.

*Conversion of
K-A surveyed
coordinates
UTM*

DDH FA.G.U.05.8
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Cyprus Anvil Mining Corp.

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Lithologic Log

Date: 30 June/81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.	No.	Unit	Description	F/W CNT			
	10	14	16	20					22	24	26	28
L	00		02			0101	A1E4	+(4E0) + (4E4-POROUS LAMS TOWARD F/W) -> NOTE - THIS IS A HORIZONTAL DDH - F/W IS CONSIDERED TO BE AWAY FROM THE DRILL COLLAR; 0.0-0.3 - 4E4-HIGH GRADE	PROB	11S ₂		
L	02		07			0102	A1G4	+(4E64) - HONEY SPHAL + 40% BARITE IN 4G4;		11S ₂		
L	07		09			0103	A1E4	±6±1; HIGH GRADE; + (minor 5B16)	PROB	11S ₂		
L	09		09			0104	51C*	ANK/DOLO + (5C3 @ 7.0-9.2) FUCHSITE 4% @ 9.0-9.4 m) [5F*?]		11S ₂		
L	09		10			0105	A1L0	+(4C0); BRECCIA @ 10cm H/W = 4L0 CLASTS IN 4C0 MATRIX - PROB NOT FAULTED; + (5D*ANK-MINOR)	5cm BRECCIA 4E4+QZ IN 4L0			
L	10		11			0106	A1E4	+(5B126 @ 10.9-11.1) + (4E4-SEPTICITE @ 11.1-11.7m)		11S ₂		
L	11		13			0107	51A6	+(5B126)		11S ₂		
L	13		13			0108	51C3	*(1% FUCHSITE/ANK) + (4E4) + (4E1)	TRUBBLE PROB	11S ₂		
								F ₁ FOLD? (NO NOSE SEEN)	5A1 4E 5C3 4E4 5C3 5B126			
L	13		14			0109	51B12	1/6 - 5A1-ROUNDED RIP-UP CLAST @ H/W;		11S ₂		
L	14		15			0110	A1E4	+(4G4) - 2cm H/W PØ;		11S ₂		
L	15		16			0111	4G4	HONEY + LT. ORANGE SPHAL; 25% BARITE;				
L	16		18			0112	A1E4	+(4G4 @ 17.1-17.6 AS PØ AT 5cm F/W - UNIT 11); POSS FOLD CORRELATION OF UNIT 10;?		11S ₂		
L	18		22			0113	51B26	1/9 -> 0.5% SPHAL + (5A69) + (5B126 @ 22.2-22.7m)		11S ₂		

DDH F.A.G.U.058

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Cyprus Anvil Mining Corp.

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Lithologic Log

Date: 30 JUNE/81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.	No.		Unit	Description	F/W CNT			
	10	14	16	20		22	24			26	28	30	34
L	12.2	12.7	12.3	12.7			11.4	3D(7)	±9 → SPHAL, GALCWA, PY IN CALCITE VEINLETS; SHARP CONTACTS. BROWN TINT DUE TO BIOTITE (KIND OF A STRANGE UNIT); GREEN LAMS = CHLORITE				11S ₂
L	12.3	12.7	12.6	12.6			11.5	3G1210	TRACE SULPHIDES = PO + PY.			PROB	11S ₂
L	12.6	12.6	12.8	12.3			11.6	4E1A	TRRECCIA - 4LO + ANK. CHLORITE CLASTS IN OPEN 4E1A HEALED MATRIX + (10cm H/W 4B3 - SERICITIC)				11S ₂
L	12.8	12.3	12.8	12.9			11.7	4L11				GRADOS 10 cm	11S ₂
L	12.8	12.9	13.8	13.4			11.8	5B3	SERICITIC @ 1m H/W; +(5B23)				11S ₂
L	13.8	13.4	13.9	13.7			11.9	5B3	+(5D3); GOUGE @ 38.9-39.0 m;				11S ₂
L	13.9	13.7	14.4	14.2			12.0	5C3	CALCITIC WITH CHLORITE STREAKS +(5B83) → BOTH MIXED IN BLTBY BOUNDARIED (?) MASSES THROUGHOUT UNIT;				11S ₂
L	14.4	14.2	15.2	15.3			12.1	5D3	MASSIVE; SOME CALCITE LAMS @ 30cm H/W & F/W (FOLDED?)				11S ₂
L	15.2	15.3	15.3	15.2			12.2	5E4	[5C43?] LOOKS LIKE 5C BUT LACKS CHLORITE;			GRADOS 20cm	11S ₂
L	15.3	15.2	15.8	15.4			12.3	5D3	SERICITE, CHLORITE & CALCITE LAMS; [5F3]				11S ₂
L	15.8	15.4	16.6	16.8			12.4	5B83	± CALCITE LAMS [5D3-PHYLLITIC]				11S ₂
L	16.6	16.8	16.9	16.0			12.5	5B3	±2 + (5D3)				11S ₂
L	16.9	16.0	17.0	17.0			12.6	5D3	± CALCITE LAMS				11S ₂
L	17.0	17.0	17.3	17.1			12.7	5B3	± CALCITE LAMS [5D3-PHYLLITIC]				11S ₂
L	17.3	17.1	18.2	18.3			12.8	5D3	± CALCITE LAMS				11S ₂
L	18.2	18.3	18.4	18.2			12.9	5B43	±6 [5D3-PHYLLITIC - ASS'D WITH QZ VNS				~ 11S ₂
L	18.4	18.2	18.5	18.8			13.0	1.0.00	+ FRAGS OF 5B/D;				11S ₂
L	18.5	18.8	18.7	18.1			13.1	5B6	FINE GRAINED; LIGHT GRAY;				11S ₂
L	18.7	18.1	18.9	18.4			13.2	4E84					11S ₂
L	18.9	18.4	19.2	19.7			13.3	4E0	+ (30cm H/W 4E8)				11S ₂

DDH F.A.G.U.O.5.8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: 30 June/81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.			No.			Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28	30	34			35	TYPE
L	19	27	19	43					34			A1EA1		11S ₂
L	19	43	19	63					35			A1E01 + (4EA)		11S ₂
L	19	63	19	80					36			A1EA1 + (4E0); 2cm QZ @ 40cm F/W;		11S ₂
L	19	80	19	86					37			S1D91* DOLO [SF4*] + (4E0)	PROB	11S ₂
L	19	86	19	98					38			A1EA1* ± POROUS; HIGH GRADE; CALC.		11S ₂
L	19	98	110	66					39			A1L01 ± 2 ± 3		
													END OF HOLE @ 106.6m;	

DDH FAGU058
2 8
 UNITS = METRES.

Cyprus Anvil Mining Corp.
 Structural Log

Date: 30 June 81 Logged By: GG

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14 16	20 22	24 26			28	32 34	38 40	44	Dip	Direct.	
													NOTE - THIS IS A <u>HORIZONTAL</u> DDH FROM THE MINE DRIFT.
S			102		CISZ						70	Z30	S-BANDS
S			162		GSZ						57		"
S			112		CISZ						55		M-REGION (?) 120-130 ± 13.7-14.3m
S			135										SYMMETRY OF LITHOLOGIES SUGGESTS FOLD NOSE THROUGH 9E4 BUT NO E OR S ^{TO THE} SEEN IN S-BANDS - SHEARED THROUGH?
S			117		CISZ						40		S-BANDS
S			124								010		TENSION GASES 24-26 = 36/270
S			130								017		
S			136								013		
S			137										GAUGE @ H/W CNT - 017/180 F/W ?
S			142								016		← FOLD NOSE ???
S			148								512		
S			154								25		
S			160								010		
S			166								210		
S			172								14		
S			178								010		
S			183								015		
S			189								118		S-BANDS
S			195								215		"
S			1101								013		SERICITE
S			11016								016		"
													END OF HOLE @ 106.6 m

ASSAY LOG (SAMPLER'S COPY)

Date 30 June 81 Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.		REC (m)		UNIT	DESCRIPTION	
	10	14	16	20		22	26	28	30			32
P		100		121	169510		121		115	4E4	+ (4E0)	
P		121		142	169511		121		123	4E4	+ (4E0) + (4E4 - POROUS)	
P		142		159	169512		117		113	4G4	+ (4E64)	
P		159		176	169513		117		115	4G4	+ (4E64)	
P		176		190	169514		114		113	4E4	± 6 ± 1	
P		190		197	6955		07		05	5C*		
P		197		1102	169516		105		108	4E4	+ (4E0)	
P		1102		1117	169517		115		113	4E4	+ (5B126)	
P		1117		1130	169518		113		112	5A16		
P		1130		1137	169519		107		106	5C3	+ (4E4) + (4E1)	
P		1137		1147	169610		110		110	5B12	16/	
P		1147		1157	169611		110		108	4E4	+ (4G4)	
P		1157		1166	169612		109		108	4G4		
P		1166		1176	169613		110		110	4E4	+ (4G4)	
P		1176		1185	169614		109		109	4E4		
P		1266		1283	169615		117		115	4E11	0 BRECCIA (4E0 ^{+CHERTS} CLASTS)	
P		1871		1883	169616		112		111	4E84		
P		1883		1894	169617		111		110	4E84		
P		1894		1911	169618		117		114	4E0	+ (4E8)	
P		1911		1927	169619		116		115	4E0		
P		1927		1943	16970		116		112	4E4		
P		1943		1963	16971		120		119	4E0	+ (4E4)	
P		1963		1980	16972		117		117	4E4	+ (4E0)	
P		1980		1986	16973		106		103	5D4*		
P		1986		1998	16974		112		109	4E4	± POROUS;	

Meters!

FAULT

DDH FAGU058
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: 28 Oct/83 Logged By: _____

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F				197	XI											5cm bxa. 4KO clasts in 4CO matrix	
F	1266			1283	XI											bxa. 4KO + cherty clasts in open 4E1 healed matrix	
F	1389			1390	G			17	1810							gauge	
	1842			1858	Q											9th vein + frags of SB/P	

GEOTECHNICAL LOG

NOTE THIS IS
A HORIZONTAL
HOLE FROM THE
MINE DRIFT.

NO HANGINGWALL
FOOTWALL GEOTECH
WAS DONE -
NOTES BUT ROCK
ADJACENT
TO ORE

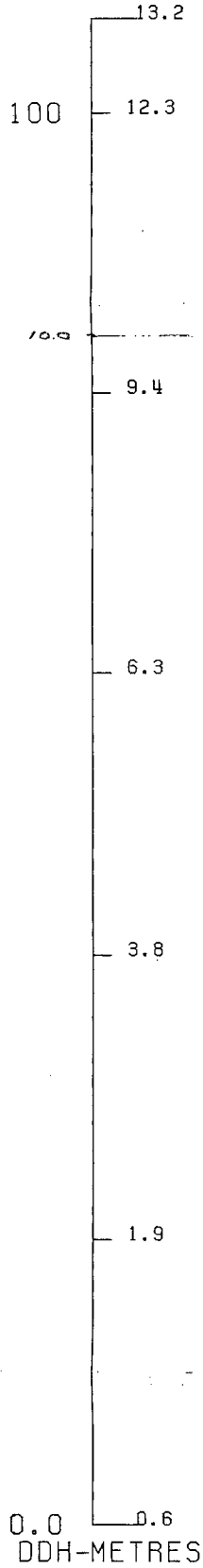
	feet	metres	GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY
HANGINGWALL	10	3	ORE					ZONE IS GENERALLY COMPETENT.
FOOTWALL	0	0				SIZE OF CORE		
	0	0						
	5	1						
	10	3						

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	
82.3	86.9	GREENISH WHITE BLEACHED PHYLLITE. Competent. Chloritic- calcitic. Foliation-10° (F ? because of regular laminae). 2 F not distinct. Sericite has talcy feel. Tuffaceous look- 1 ing groundmass. 82.5: Fold nose.			4.5/4.6		82.3	86.9										
		83.8-85.4: Very calcitic. Calcite intervals with bull qtz.				W.Av.	86.8	93.0	6.2	2.71	1.49	38.8						
		86.4-86.5: Shear. Phyllite, calcite, qtz frags/w ser. clay.																
		86.9: Sharp contact with massive sulfides-20°.																
86.9	100.5	MASSIVE SULFIDE ZONE. Competent. Some sph enriched intervals. Faint foliation-10° marked by minute dark minerals, qtz and sometimes calcite. Occassional vuggy sarts lined with calcite prism. Some Cpy blebs distinct. Po and Mgtt in clots. 98.0: Gradual change to bleached quartz sericite phyllite intervals until 100.5.	70	20	1.5/1.5	2194	86.8	88.3	1.5	5.05	2.44	57.60			7.57	3.66	86.4	
			60	25	1.6/1.6	2195	88.3	89.9	1.6	5.00	3.05	60.34			8.0	4.88	96.5	
			70	15	1.5/1.5	2196	89.9	91.4	1.5	0.33	0.13	20.23			0.495	0.195	30.34	
			80	15	1.0/1.6	2197	91.4	93.0	1.6	0.48	0.33	17.14			0.768	0.528	27.12	
			70	20	1.3/1.5	2198	93.0	94.5	1.5	5.15	5.05	80.57			7.725	7.575	120.86	
			70	20	1.4/1.5	2199	94.5	96.0	1.5	2.03	0.85	49.37			3.045	1.275	74.055	
			60	15	1.5/1.5	2200	96.0	97.5	1.5	5.00	1.83	88.80			7.50	2.745	133.20	
100.5	106.6	BLEACHED SERICITE PHYLLITE. W/yellow greenish tint. Talc feel. Foliation 0-5° occasionally with trains of sulfides-calcitic.	50	15	1.5/1.5	2201	97.5	99.0	1.5	2.53	2.75	41.49			3.795	4.125	62.235	
			50	15	1.5/1.5	2202	99.0	100.5	1.5	3.50	4.10	47.31			5.25	6.15	70.965	
	106.6	END OF HOLE. IN WASTE.				W.Av. W.Av.	86.8 89.9	89.9 92.9	3.1 3.1									
						W.Av.	93.0	100.5	7.5	3.64	2.92	61.51			27.315	21.870	461.31	
						W.Av.	86.8	100.5	13.7	3.22	2.27	51.2						



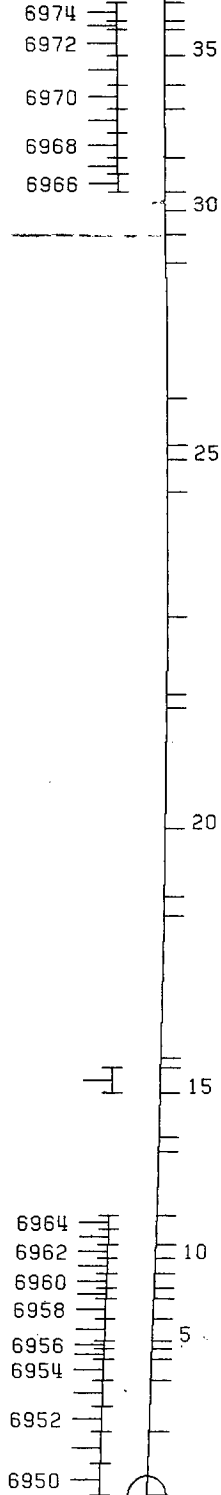
CYPRUS ANVIL MINING CORPORATION
 PROGRAM DH162 6 NOV 1984 9:38 AM

106. METRES



6973
6971
6969
6967

6965
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6959
6957
6955
6953
6951



DDH: FAGU058 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)
 ELEV: 1126 592228E ; 905002N
 PLUNGE ANGLE IS 11.0 TRENDR ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 454.6 Z = 1125.8
 SECTION NAME: 76W

DDH: FAGU058 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

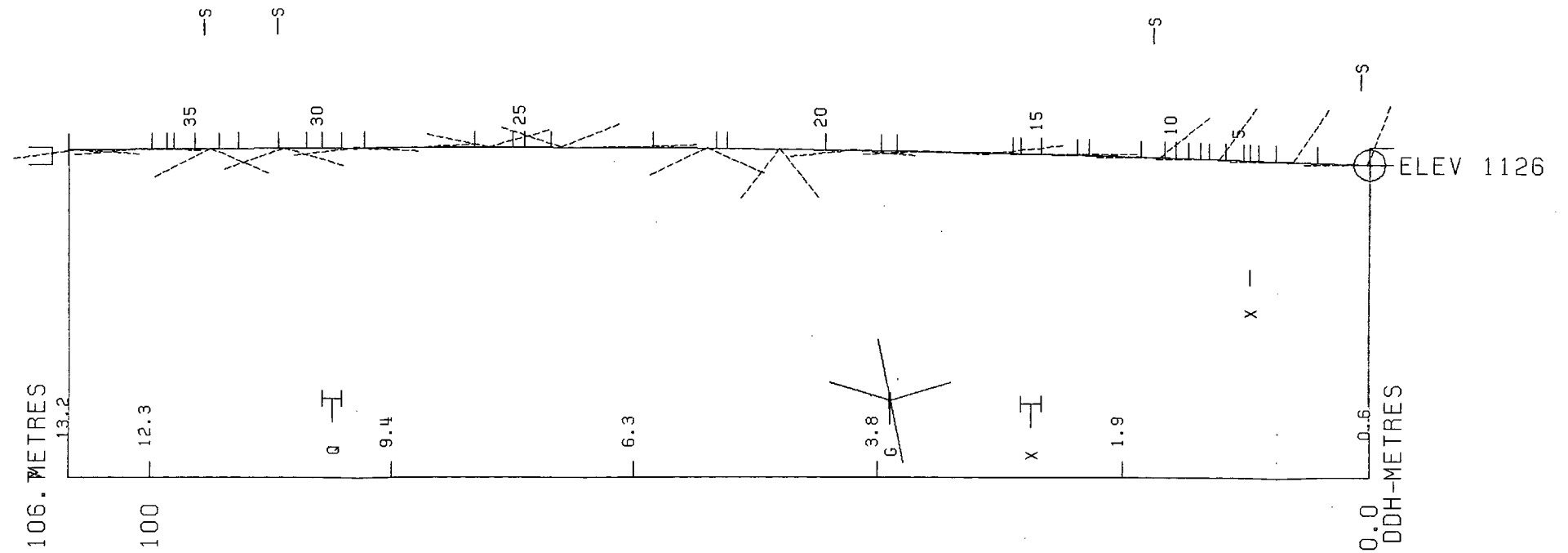
ELEV:1126 592228E ; 905002N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 454.6 Z = 1125.8

SECTION NAME: 76W

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 6 NOV 1984 9:36 AM



FAGU059

DRILL HOLE : FAGU059
NORTHING : 905,002.7
EASTING : 592,227.9
ELEVATION : 1,124.8
TOTAL DEPTH : 127.2
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 38
NOS DOWN-H-SURVEYS: 5
NOS DOWN-H-LITHOLOGY: 32
NOS DOWN-H-STRUCTURE: 22
NOS DOWN-H-FAULTS: 8
NOS DOWN-H-SPLINES: 5
NOS COMPOSITES: 0

DDH: FAGU059 UTM-N: 905,002.7 UTM-E: 592,227.9 UTM-ELEV: 1,124.8 TOTAL DEPTH: 127.2 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----											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 %	BA %	
.0	2.0	07081	2.0	1.9	4A4	3.37	.05	4.50	11.09	74.00		1.37	1	10	12						
2.0	4.0	07082	2.0	2.0	4A4	3.37	.04	2.89	6.20	55.00		.81	1	15	16						
4.0	6.0	07083	2.0	2.0	4A4	3.22	.05	4.20	8.10	73.00		1.23	1	9	11						
6.0	7.8	07084	1.8	1.8	4A4	3.31	.05	3.70	8.19	68.00		1.37	1	12	14						
7.8	9.7	07085	1.9	1.9	4E14	3.45	.02	5.79	13.50	98.00		1.03	1	10	11						
9.7	10.6	07086	.9	.9	4D4	4.01	.10	9.50	16.39	165.00		1.64	1	7	9						
10.6	12.8	07087	2.2	2.2	4E14	3.81	.34	10.40	18.39	175.00	169.00	2.33	2	7	10						
12.8	14.9	07088	2.1	2.1	4E14	4.11	.14	9.19	18.39	158.00		2.06	1	11	13						
14.9	17.0	07089	2.1	2.1	4E14	4.54	.10	11.80	18.00	191.00		2.06	2	13	15						
17.0	18.8	07090	1.8	1.8	4E4	4.80	.20	6.40	6.99	92.00		1.70	1	33	35						
18.8	20.0	07091	1.2	1.2	4E4	4.65	.07	11.00	18.60	167.00		1.91	2	22	24						
20.0	21.1	07092	1.1	1.1	4E4	4.54	.08	10.00	17.19	156.00		2.06	2	22	24						
21.1	23.1	07093	2.0	2.0	4G4	4.69	.10	6.29	10.00	110.00		1.37		17	17						
23.1	25.1	07094	2.0	2.0	4G4	4.71	.22	6.90	10.50	122.99		1.91		19	20						
25.1	27.1	07095	2.0	2.0	4G4	4.70	.22	6.79	11.00	111.99		2.12	2	21	24						
27.1	29.1	07096	2.0	2.0	4G4	4.61	.23	6.50	10.50	133.00		1.91		19	20						
29.1	31.1	07097	2.0	2.0	4G4	4.63	.16	8.30	12.50	143.00	144.00	1.51	1	21	23						
31.1	32.8	07098	1.7	1.4	4G4	4.71	.27	6.59	10.00	123.99		1.10		23	24						
32.8	33.8	07099	1.0	1.0	4E4	4.62	.17	9.59	15.90	150.00		1.16	2	13	16						
33.8	35.2	07100	1.4	1.4	4E4	4.88	.22	11.00	15.09	157.00		.81	1	22	24						
35.2	37.2	07201	2.0	2.0	4G4	3.54	.19	6.50	10.00	111.99		.47		19	20						
37.2	39.2	07202	2.0	2.0	4G4	4.50	.16	6.50	10.19	101.00		.47	1	21	22						
39.2	41.2	07203	2.0	2.0	4G4	4.62	.08	6.90	10.19	90.00		.47	1	19	20						
41.2	42.9	07204	1.7	1.4	4G4	4.71	.17	6.40	10.30	101.00		.68	1	21	23						
42.9	44.6	07205	1.7	1.7	4G4	4.61	.10	6.90	11.40	114.99		.95	1	17	19						
44.6	46.3	07206	1.7	1.7	4G4	4.49	.11	6.99	13.40	119.99		.55	3	23	26						
46.3	47.5	07207	1.2	1.2	4E64	4.76	.34	9.40	13.80	180.00		.27	2	25	28						
47.5	48.5	07208	1.0	.9	4E4	4.50	.20	8.40	20.69	138.00		.68	5	20	25						
48.5	50.4	07209	1.9	1.9	4E4	4.74	.27	7.70	13.59	108.00		.55	3	28	32						
50.4	52.0	07210	1.6	1.6	4E0	4.61	.28	1.16	.76	29.99		.55	3	40	43						
52.0	53.6	07211	1.6	1.6	4E0	4.54	.28	.46	.51	21.00		.68	2	40	43						
53.6	54.5	07212	.9	.9	4E4	4.34	.11	6.50	11.19	107.00		1.70	2	25	27						
101.9	102.9	07213	1.0	1.0	4A0	3.06	.05	1.26	2.50	23.00		.75	2	8	10						
102.9	104.5	07214	1.6	1.6	4E4	3.91	.20	2.50	2.79	38.00		.81	2	25	28						
104.5	105.1	07215	.6	.6	4C0	3.31	.20	1.64	2.02	26.00		.89	5	13	19						
105.1	107.3	07216	2.2	2.2	4A13	3.02	.13	.19	.45	6.00		.55	2	8	11						
107.3	109.5	07217	2.2	2.2	4A13	3.06	.17	.20	.41	7.99		1.16	2	9	12						
109.5	110.1	07218	.6	.6	4E0	4.04	.16	2.29	2.50	35.00	30.99	.75	5	22	28						

WEIGHTED AVERAGE

.0	54.5	54.5	53.7	4.30	.16	6.88	11.66	114.74	12.10	1.25	1	19	21
101.9	110.1	8.2	8.2	3.30	.15	1.03	1.41	12.43	2.26	.83	3	13	16

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 45

DDH: FAGU059 UTM-N: 905,002.7 UTM-E: 592,227.9 UTM-ELEV: 1,124.8 TOTAL DEPTH: 127.2 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	135.400	227.100
30.500	137.300	230.000
61.000	137.000	231.000
91.400	147.500	239.000
121.900	152.400	243.000

DDH: FAGU059 UTM-N: 905,002.7 UTM-E: 592,227.9 UTM-ELEV: 1,124.8 TOTAL DEPTH: 127.2 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
7.8	0001	4A4	(4E1&4)	0.5-	1
9.7	0C02	4E14	(4A4 CLASTS)	0.5-	1
10.6	0003	4D4		0.5-	1
17.0	0004	4E14	(4A0&4&9 PHYLLITIC)MINOR	0.5-	1
18.8	0C05	4E4	(4E0)	0.5-	1
21.1	0C06	4E4	&1	0.5-	1
32.8	0C07	4G4	(4E64)	0.5-	1
33.8	0008	4E4	&1 &2 MINOR [4D4]	0.5-	1
35.2	0009	4E4	&1 &6 &9 (4D4) 80:20	0.5-	1
44.6	0C10	4G4	-> (4E64) &POROUS	0.5-	1
46.3	0011	4G4	(4E4 POROUS &#)	0.5-	1
47.5	0012	4E64	& POROUS	0.5-	1
48.5	0013	4E4	BXA	0.5-	1
50.4	0014	4E4	& BXA	0.5-	1
53.6	0015	4E0	&1	0.5-	1
54.5	0016	4E4	&6 & POROUS-MINOR	0.5-	1
56.4	0017	5D*	BXA - FAULT	0.5-	1
61.3	0018	3GC		0.5-	1
69.9	0019	5B80		0.5-	1
86.9	0020	3GC	&9	0.5-	1
89.2	0021	5D6		0.5-	1
90.8	0022	5D0	&6	0.5-	1
94.6	0023	5B80	&6 (5D0) MINOR	0.5-	1
95.1	0024	5A3		0.5-	1
101.9	0C25	5B80	(5D0)	0.5-	1
102.9	0026	4A0		0.5-	1
104.5	0027	4E4	&1 &7 &8 (4A0&4)	0.5-	1
105.1	0028	4C0	&8 SERICITIC (4A14)	0.5-	1
109.5	0029	4A13		0.5-	1
110.1	0030	4E0	&7 &8 &1	0.5-	1
126.6	0031	3GC	&9 [5A16]	0.5-	1
127.2	0032	5A16		0.5-	1

DDH: FAGU059 UTM-N: 905,002.7 UTM-E: 592,227.9 UTM-ELEV: 1,124.8 TOTAL DEPTH: 127.2 SECTION: W 76
 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
FAGU059	0.0	0.1	P		0	0	0	0	30	230	0		1	1	1
FAGU059	0.0	6.1	P		0	0	0	0	1	230	0		1	1	1
FAGU059	0.0	12.0	P		0	0	0	0	10	230	0		1	1	1
FAGU059	0.0	18.0	P		0	0	0	0	10	230	0		1	1	1
FAGU059	0.0	24.5	P		0	0	0	0	24	230	0		1	1	1
FAGU059	0.0	30.5	P		0	0	0	0	24	230	0		1	1	1
FAGU059	0.0	36.5	P		0	0	0	0	8	230	0		1	1	1
FAGU059	0.0	42.5	P		0	0	0	0	4	230	0		1	1	1
FAGU059	0.0	48.5	P		0	0	0	0	5	230	0		1	1	1
FAGU059	0.0	54.2	P		0	0	0	0	30	230	0		1	1	1
FAGU059	0.0	60.0	P		0	0	0	0	40	230	0		1	1	1
FAGU059	0.0	66.0	P		0	0	0	0	55	230	0		1	1	1
FAGU059	0.0	72.0	P		0	0	0	0	50	230	0		1	1	1
FAGU059	0.0	78.0	P		0	0	0	0	37	230	0		1	1	1
FAGU059	0.0	84.0	P		0	0	0	0	48	230	0		1	1	1
FAGU059	0.0	90.0	P		0	0	0	0	55	230	0		1	1	1
FAGU059	0.0	96.0	P		0	0	0	0	45	230	0		1	1	1
FAGU059	0.0	102.0	P		0	0	0	0	54	230	0		1	1	1
FAGU059	0.0	108.0	P		0	0	0	0	47	230	0		1	1	1
FAGU059	0.0	114.0	S		0	0	0	0	64	230	0		1	1	1
FAGU059	0.0	120.0	P		0	0	0	0	39	230	0		1	1	1
FAGU059	0.0	126.0	P		0	0	0	0	42	230	0		1	1	1

DDH: FAGU059 UTM-N: 905,002.7 UTM-E: 592,227.9 UTM-ELEV: 1,124.8 TOTAL DEPTH: 127.2 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT REC CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGU059	7.8	9.7	D		0	0	0	0	1		
FAGU059	47.5	48.5	XD?		0	0	0	0	1		
FAGU059	48.5	50.4	XR		0	0	0	0	1		
FAGU059	54.5	56.4	X		47	0	0	27	0	1	
FAGU059	70.6	70.8	G		99	999	99	999	99	999	1
FAGU059	79.4	79.8	J		0	0	20	270	0	0	1
FAGU059	100.2	101.9	R1G		0	0	0	0	0	0	1
FAGU059	102.7	102.9	RG		0	0	0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 49

DDH: FAGU059 UTM-N: 905,002.7 UTM-E: 592,227.9 UTM-ELEV: 1,124.8 TOTAL DEPTH: 127.2 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU059	1	2
FAGU059	2	2
FAGU059	3	2
FAGU059	4	2
FAGU059	5	1

DIAMOND DRILL CORE LOG

Date: 8 July/81

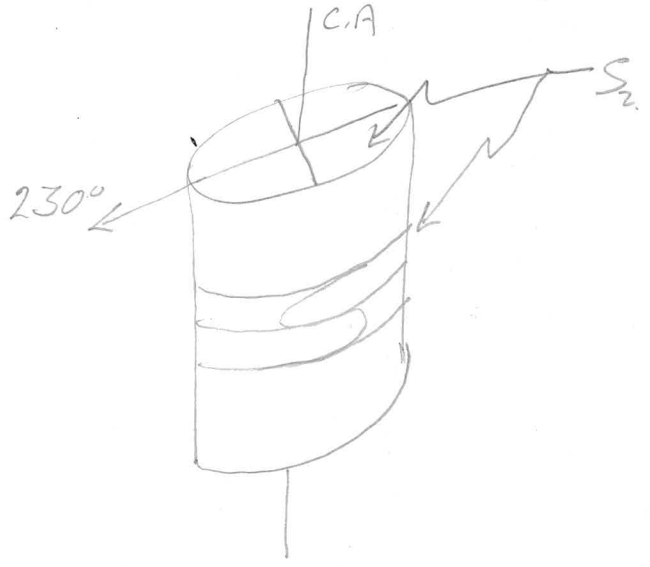
Hole Number: FAGU-059 (76-U-59)

Reference Fabric Orientation Diagram:

Project: GRUM

Location: SECTION 7BW

Claim: _____



Terr. Plane Co-ords.: 6 905 002.7 N

592 227.9 E

Grid Co-ords: 2 + 19m N

76 + 00m W

Elevation: 1124.8m

Total Depth: 127.2m

Purpose: RELOG- GRUM

Reason hole Terminated: _____

Logged by: GG

Date(s) Logged: 6-8 July/81

Drilling Contractor: CAMERON McCUTCHEON

Size	CORE From	To	Collar Cased and Capped:
BQ	0.0	127.2	_____

Hole Cemented: _____

Steel down Hole: _____

Started: 7 APRIL/76 Completed: 9 APRIL/76

conversion of
KA survey
grid

DDH E.A.G.U.0.5.2
2 8

Cyprus Anvil Mining Corp.

Page 3 of 10

Lithologic Log

Date: 6 July 81 Logged By: GG

UNITS = METRES

Code	From				To				Recov.	No.	Unit	Description	FW CNT	
	10	14	16	20	22	24	26	28					30	34
L		100		78						001	A1A1	± (3G12 [±] - FINELY INTERBANDS) + (4E1 ± 4)		11S ₂
L		78		97						002	A1E1A	+ (4A4 ^{ALOX} 5 ^{JSM}) COMMONLY IN DISCONTINUOUS ALIGNED FRAGS - DUE TO AE RECRYSTALLIZATION; WITH 0.5-3 cm BLOBS OF QZ COMPRISING 10% OF UNIT - HAS APPEARANCE OF AK WITH QZ INSTEAD OF C ₃ [±] ;	GRADES OVER 30 cm	11S ₂
L		97		106						3	A1DA		8 cm QZ VN TERRACIA	
L		106		170						A	A1E1A	WITH 1% QZ BLOBS < 1 cm DIA AS UNIT 3; HIGH GRADE; + (4A0 - ^{minor} PHYLLITIC PARTINGS ± 4 ± 9)	Prob.	11S ₂
L		170		188						5	A1E4	+ (4E0); LOWER GRADE THAN ABOVE; NO QZ BLOBS		11S ₂
L		188		211						6	A1E4	± 1 → AS QZ BLOBS < 1 cm DIA AS ABOVE UNIT 4;		11S ₂
L		211		328						7	A1G4	+ (4E64) HONEY SPHAL. AG = V. HIGH SPHAL, 20% BARITE; + (minor 4E4 - POROUS @ F/w)		11S ₂
L		328		338						8	A1E4	± 1 → AS 0.5-2.0 cm QZ BLOBS COMPRISING 5% OF UNIT; ± * - minor ANK; [4D4] SUGGESTS UNIT 7 may BE A FOLD NOSE;		11S ₂
L		338		352						9	A1G4	ET ± 6 ± 9 + (4D4 @ 34.7-35.2)		11S ₂
L		352		446						1.0	A1G4	+ (4E64) ± POROUS HONEY + ORANGE SPHAL;		11S ₂
L		446		463						1.1	A1G4	+ (4E4 - POROUS ± CALC) HONEY & ORANGE SPHAL;	RUBBLE PROB	11S ₂

DDH F.A.G.U.0.5.9
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: 8 July/81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.	No.	Unit	Description	F/W CNT	
	10	14	16	20					TYPE	*
L	1463	1475				112	A1E64	± POROUS	RUBBLE	
L	1475	1485				113	A1E41	-BRECCIA → 4E4 + 4E0 CLASTS, 0.2 - 1.0 cm DIA, IN CLOSED MATRIX → 4E4 HIGH GRADE → PROB HOALGD <u>FAULT</u> ;		
L	1485	1504				114	A1E91	± BRECCIA ± LOCAL FINE RUBBLE + HIGH GRADE;	COARSE RUBBLE	PROB IIS ₂
L	1504	1536				115	A1E01	± 1 - @ 0.8m H/W		IIS ₂
L	1536	1545				116	A1E41	± 6 → ESPECIALLY TOWARD F/W; + (4G0 - @ 54.3 - 54.5 (FW) - 60% BARITE) + (minor 4E4 POROUS)	IRREG	~ IIS ₂ ?
L	1545	1564				117	5D*1	BRECCIAS - (5D*, 4E0, 4G4 CLASTS IN QZ - BA-MATRIX @ 54.5 - 55.2m) + (5D*4 ± TALC - DOLO @ 55.2 - 55.6 - PROB A LARGE CLAST IN FAULT) + (5A6 + (4E ± 4) CLASTS IN QZ MATRIX @ 55.6 - 56.1 = 50% = CRACKLE BRECCIA ONLY) + (OPEN MATRIX QZ + 4A3 CLASTS IN 4H0 MATRIX @ 56.1 - 56.4) <u>FAULT</u>	IRREG	~ IIS ₂
L	1564	1613				118	31G21	± FINE GRAINED;	PROB	IIS ₂
L	1613	1677				119	5D31	WITH CALCITE LENSES & LAMS; + (5D*4 @ H/W 30cm)		IIS ₂
L	1677	1867				120	31G21	± F.G.; GOUGE @ 70.6 - 70.8 - CNTS ± 3G LENSES IIS ₂ ; + (3G72)	20 cm QZ VN BRECCIA IIS ₂	
L	1867	1872				121	5D61	DARK GREEN		IIS ₂
L	1872	1908				122	5D31	± 6 - LIGHT GREEN;		IIS ₂
L	1908	1946				123	5B83	-MOD. CALC ± 6 + (minor 5D3)		IIS ₂

GAT/DSJ
29 Aug 82

5880 →

360 ± 9 →

DDH EAGU.059

Cyprus Anvil Mining Corp.

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UNITS = METRES

Lithologic Log

Date: 8 July/81 Logged By: GG

Code	From		To		Recov.		No.		Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28			30	34
L	1946		1951				24		5A31	DOMINANTLY CALCITE & CARBON LAMS;		11S ₂
L	1951		11019				25		5B83	-F.G. + (SD3) 5B84 - COARSE RUBBLE + LOCAL [GOUGE] @ 100.2-101.9m;	PROB	11S ₂
L	11019		11029				26		4A10	FINE RUBBLE + [GOUGE] @ 102.7-102.9m;	RUBBLE	
L	11029		11045				27		4A10	±14 ± 7,8 @ 40cm F/W + (4A±4)		11S ₂
L	11045		11051				28		4A10	-SERICITIC ± 8 + (4A14)		11S ₂
L	11051		11095				29		4A113	CARBON + PHYLLITIC PARTINGS;		11S ₂
L	11095		11101				30		4A10	±7 ± 8 ± 1		11S ₂
L	11101		11266				31		3G12	±9 ± F.G. + (4A1 - NO SULPHIDES [5A16 - WITH "HYDROTH. QZ"])		11S ₂
L	11266		11272				32		5A16	F.G., MASS.;		
										END OF HOLE @ 127.2m		

DDH EAGU059
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Cyprus Anvil Mining Corp.

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Structural Log

Date: 8 July 81 Logged By: GG

UNITS - METRES

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				10							30	230	C-STREAKS
S				6							00		"
S				12	0						10		S-RZ BANDS
S				18	0						10		S-BANDS
S				24	5						24		S-BANDS
S				30	5						24		"
S				36	5						08		"
S				42	5						04		"
S				48	5						05		" // 48m - BRECCIA CNTS? → FOLIATION IN BRECCIA = 09° TO C.A.
S				54	2						30		
S	54	S	56	4									BRECCIA - H/W CNT @ ^{AVG} 47/100- F/W CNT @ ^V IRREG BUT AVG @ 27°/100 IRREG
S				60	0						40		
S				66	0						55		
S				70	0								10cm Gouge // S ₂ @ 37°
S				72	0						50		
S				78	0						37		79.4-79.8 - TENSION GASHES @ 020/270
S				84	0						48		
S				90	0						55		
S				96	0						45		
S				102	0						54		
S				108	0						47		P&R Dom - 0 - 111m.
S				114	0	S					64		S-REGION - 111 - 120
S				120	0						39		P&R - 120 - 127.6.
S				126	0						42		
													END OF HOLE @ 127.2m.

ASSAY LOG (SAMPLER'S COPY)

Date 8 July/81

Sampled by _____

CODE	FROM			TO			SAMPLE			INTR.			REC (m)			UNIT			DESCRIPTION
	1	10	14	16	20	22	26	28	30	32	34	36	40	42					
P		10	0		20		70.81		20		19		4A4						
P		20			40		70.82		20		20		4A4						
P		40			60		70.83		20		20		4A4						
P		60			78		70.84		18		18		4A4						
P		78			97		70.85		19		19		4E1A						+(4A4)
P		97			106		70.86		19		19		4D4						---
P		106			128		70.87		22		23		4E1A						
P		128			149		70.88		21		21		4E1A						
P		149			170		70.89		21		21		4E1A						
P		170			188		70.90		18		18		4E4						+(4E0)
P		188			200		70.91		12		12		4E4						±1 ⁴⁵⁴
P		200			211		70.92		11		11		4E4						±1
P		211			231		70.93		20		20		4E6A						+(4G4)
P		231			251		70.94		20		20		4E6A						+(4G4)
P		251			271		70.95		20		20		4E6A						+(4G4)
P		271			291		70.96		20		20		4E6A						+(4G4)
P		291			311		70.97		20		20		4E6A						+(4G4)
P		311			328		70.98		17		14		4E6A						+(4G4) + (4E4 - POROUS)
P		328			338		70.99		10		10		4E4						±1
P		338			352		71.00		14		14		4GA						±1 ± 6 ± 9 + (4DA)
P		352			372		72.01		20		20		4GA						+(4E6A ± POROUS)
P		372			392		72.02		20		20		4GA						+(4E6A ± POROUS)
P		392			412		72.03		20		20		4GA						+(4E6A ± POROUS)
P		412			429		72.04		17		14		4GA						+(4E6A ± POROUS)
P		429			446		72.05		17		17		4GA						+(4E6A ± POROUS)
P		446			463		72.06		17		17		4GA						+(4E4 - POROUS & CALC)
P		463			475		72.07		12		12		4E6A						± POROUS
P		475			485		72.08		10		09		4E4						BRECCIA - FAULT.
P		485			504		72.09		19		19		4E4						
P		504			520		72.10		16		16		4E0						
P		520			536		72.11		16		16		4E0						
P		536			545		72.12		09		09		4E4						±6 + (4G4) + (4E4 - POROUS)
P		1019			1029		72.13		10		10		4A4						±0
P		1029			1045		72.14		16		16		4E4						±1 ± 4 ± 7 ± 8 + (4A0 ± 4)

UNITS = METRES

ASSAY LOG (SAMPLER'S COPY) Date 8 July 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									
P	11045		11051		72115		106		106		110			9A113					SERICITIC ± 8 (9A14)			
P	11051		11073		72116		122		122		9A113											
P	11073		11095		72117		122		122		9A113											
P	11095		11101		72118		106		106		9A113								±1 ± 7 ± 8			
																			END OF HOLE @ 127.2m			

UNITS = METRES

Meters

FAULT

DDH FAG4059
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Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

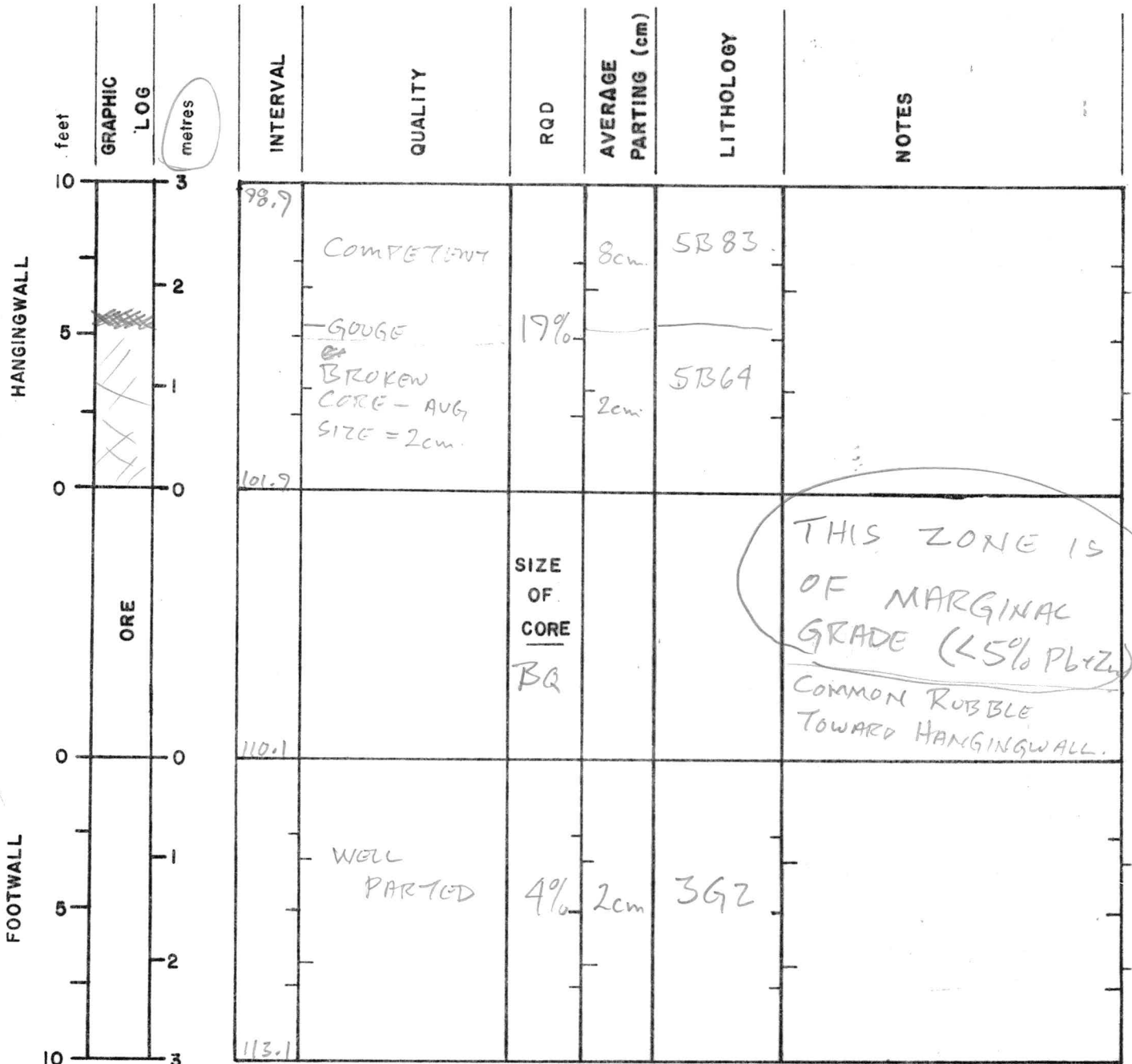
Date: 28 Oct/83 Logged By: _____

Code	From			To			Feature	Sym	S ₀				S ₁				S ₂				Description
	10	14	16	20	22	24			Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.			
F		178		197			D ₁														4A frags in recrystallized pyrite matrix
F		1475		1485			X ₁														bxn 4E4 & 4E0 clasts in 4E4 matrix
F		1485		1504			X ₁ R ₁														± bxn ± rubble
F		1545		1564			X ₁		47	0010					27	0010					clasts in sulfide matrix
F		1706		1708			G ₁		99	9919	99	9919	99	9919	99	9919					all // S ₂
F		1102		11019			R ₁ G														rubble & local gouge
F		11027		110129			R ₁ G														rubble & gouge
F		1794		1798			D ₁						210	2170							tension gouges

GEOTECHNICAL LOG

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	0	metres	0.0					COLLARED IN ORE
0	0	ORE	54.5		SIZE OF CORE BQ			ORE IS GENERALLY COMPETENT
0	10	FOOTWALL	57.5	Generally Competent	64% 7cm	3G2	SILICIFIED BRECCIA	GENERALLY A COMPETENT SILICA HEALTED FAULT ZONE

GEOTECHNICAL LOG



DIAMOND DRILL RECORD

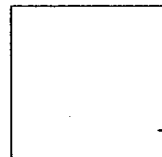
LOGGED BY _____

ALEXANDER YOUNG PO

D.D.H. No 76-U-59 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE 10798.160N 2^N+19^mN STARTED APRIL 7, 1976
 DEPARTURE 7534.893 E 76W COMPLETED APRIL 9, 1976
 ELEVATION 1135.444 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 127.2

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	227°06'22"	-45°22'
100'	228	-47°
200'	229	-47°
300'	238	-57°
400'	241	-62°



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

TOTAL CORE RECOVERY: 92.2%

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	9.1	QUARTZ-SULFIDE. Competent. Foliation=10° (F ₂)																
		Often time marked by sulfide bands. F ₁ highly	30	7	0.6/1.5	2203	0	1.5	1.5	3.80	8.22	55.54			5.70	12.33	83.31	
		crenulated and off-setted by F ₂ . Axial plane 0-5°	35	8	1.4/1.5	2304	1.5	3.0	1.5	4.43	10.12	66.51			6.645	15.18	99.765	
		Notable local sph rich intervals.	35	8	1.5/1.5	2305	3.0	4.5	1.5	2.70	4.60	40.46			4.05	6.90	60.69	
		1.2-1.4: Pebbly broken core. Trace of Graphite.	40	10	1.6/1.6	2206	4.5	6.1	1.6	4.98	9.08	69.60			7.968	14.528	11.36	
			40	15	1.5/1.5	2207	6.1	7.6	1.5	4.25	8.60	60.34			6.375	12.90	90.51	
			45	15	1.5/1.5	2208	7.6	9.1	1.5	5.70	10.65	76.80			8.55	15.975	115.20	
9.1	10.6	TRANSITION ZONE from QUARTZ-SULFIDE to MASSIVE SULF	60	18	1.4/1.5	2209	9.1	10.6	1.5	8.73	17.15	137.14			13.095	25.725	205.71	
		Increasing wider bands of sulfides following gener	70	20	1.5/1.5	2210	10.6	12.1	1.5	11.26	19.08	163.54			16.89	28.62	245.31	
		al foliation and sometimes cutting across.	70	18	1.4/1.5	2211	12.1	13.6	1.5	9.63	15.98	149.14			14.445	23.97	223.71	
			70	18	1.5/1.5	2212	13.6	15.1	1.5	10.33	18.33	153.26			15.495	27.495	229.89	
10.6	54.7	MASSIVE SULFIDES. Competent. Locally sph parts	80	10	1.4/1.4	2213	15.1	16.5	1.4	13.29	18.52	197.83			18.606	25.928	276.962	
		have pinkish or flesh colour. No form of foliation	80	10	1.5/1.5	2214	16.5	18.0	1.5	5.49	6.90	76.80			8.235	10.35	115.2	
		visible although some sph rich bands appear to have	75	10	1.5/1.5	2215	18.0	19.5	1.5	13.20	15.37	163.54			19.8	23.055	245.31	
		10-15° dip. Groundmass is very fine grain except	75	15	1.5/1.5	2216	19.5	21.0	1.5	11.09	18.22	153.26			16.635	27.33	229.89	
		for ubiquitous x'lline Py. Opalline silica in	70	15	1.5/1.5	2217	21.0	22.5	1.5	7.20	9.48	121.03			10.8	14.76	181.545	
		spotty distribution as cavity filling (amygdules)	70	15	1.5/1.5	2218	22.5	24.0	1.5	7.25	10.55	113.14			10.875	15.825	169.71	

W.AV. 0 24.0 24 7.67 12.53 111.83

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
		Barite prism sometime lining cavity walls.	70	15	1.5/1.5	2219	24.0	25.5	1.5	8.00	10.96	129.26			12.00	16.44	193.89
		Calcite occasionally as discontinuous stringers.	70	15	1.4/1.5	2220	25.5	27.0	1.5	7.15	10.20	114.86			10.725	15.30	172.29
			65	15	1.5/1.5	2221	27.0	28.5	1.5	7.20	10.30	123.09			10.80	15.45	184.635
		48.5-48.7: BROKEN GROUND. Pebbles of massive sulfides coated with dark, sooty, earthy looking material.	70	15	1.3/1.5	2222	28.5	30.0	1.5	7.00	9.90	123.09			10.5	14.85	184.635
			70	15	1.5/1.5	2223	30.0	31.5	1.5	9.20	12.28	139.20			13.80	18.42	208.8
			70	15	1.2/1.5	2224	31.5	33.0	1.5	7.60	10.15	111.09			11.40	15.225	166.635
		54.7: Contact marked by 5cm. thick bull quartz.	65	18	1.4/1.5	2225	33.0	34.5	1.5	10.95	13.95	151.20			16.425	20.925	226.8
54.7	56.0	BLEACHED PHYLLITE. Yellowish white with deep green mottled colouring (chlorite?). Calcitic groundmass and stringers. Barite prism lining cavity walls.	65	18	1.4/1.5	2226	34.5	36.0	1.5	9.50	13.39	143.32			14.25	20.085	214.98
		Faint foliation-30°.	65	18	1.5/1.5	2227	36.0	37.5	1.5	7.20	10.00	104.92			10.80	15.00	157.38
			65	18	1.4/1.5	2228	37.5	39.0	1.5	7.10	10.45	100.80			10.65	15.675	151.20
		56.0: Sharp contact with dark sericite phyllite	65	18	1.4/1.5	2229	39.0	40.5	1.5	7.70	10.96	96.69			11.55	16.44	145.035
		1.3/1.3	65	18	2.0/2.1	2230	40.5	42.6	2.1	6.80	9.79	109.03			14.28	20.559	228.963
			65	18	1.5/1.6	2231	42.6	44.2	1.6	6.90	10.60	104.92			11.04	16.96	167.872
56.0	61.1	DARK SERICITE PHYLLITE. Competent. Foliation F ₂ 30°	65	15	1.2/1.5	2232	44.2	45.7	1.5	6.92	12.53	127.20			10.38	18.795	190.8
		F ₁ as minute crenulations inbetween F ₂ . Ax. plane	65	15	1.2/1.5	2233	45.7	47.2	1.5	8.85	12.29	163.54			13.275	18.435	245.31
		(F ₁)-30°-see illustration. Some short sulfide intervals widely spaced and small clots asso. w/qtz.	60	15	0.9/1.5	2234	47.2	48.7	1.5	9.08	17.70	139.20			13.62	26.55	208.8
			60	15	0.9/1.6	2235	48.7	50.3	1.6	8.53	13.55	121.03			13.648	21.68	193.648
		veinlets (av. thickness-0.5cm). Traces of graphite.	60	10	1.0/1.5	2236	50.3	51.8	1.5	1.28	0.43	25.37			1.92	0.645	38.055
		56.2: Sph rich span (10cm). First contact marked by 10cm Bx zone-quartz pebbles healed by silica	60	10	1.1/1.5	2237	51.8	53.3	1.5	0.28	0.53	12.00			0.42	0.795	18.00
			65	15	1.4/1.5	2238	53.3	54.8	1.5	5.82	8.73	98.74			8.73	13.095	148.11
		and sulfides. Second contact abrupt				W.Av.	0	50.3	50.3	7.82	12.08	117.81			393.30	607.66	5925.75
						W.Av.	0	7.6	7.6								
						W.Av.	0	54.8	54.8	7.38	11.35	111.86			404.37	7622.19	56129.91
						W.Av.	50.3	53.3	3.0	1.26	PbZn						
							24	50.3	26.3	7.95	11.66	123.2					

DDH: FAGU059 -- 42 DEGREE PROFILE

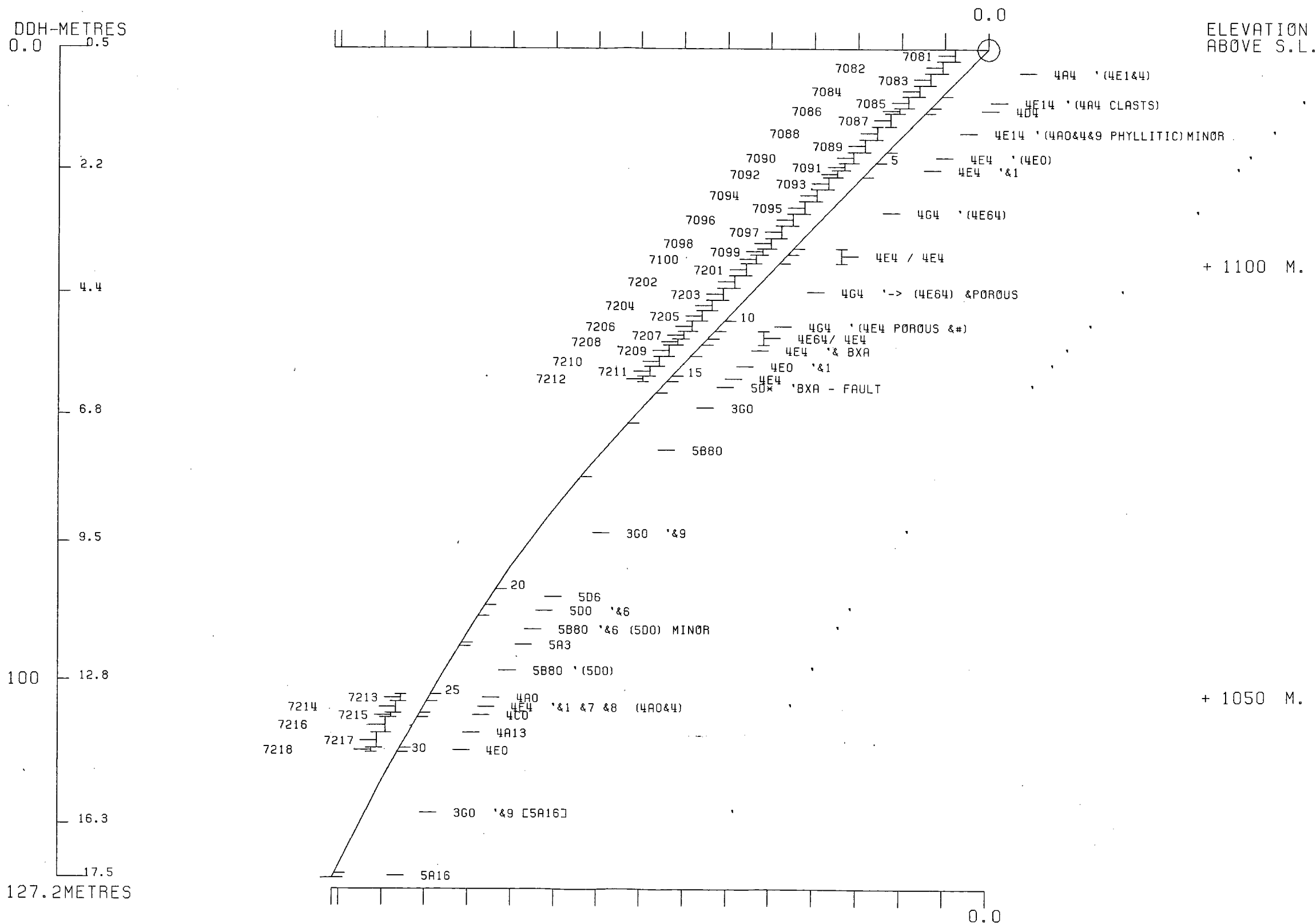
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1125 592228E ; 905003N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 455.1 Z = 1124.9

SECTION NAME: 76W



DDH: FAGU059 -- 42 DEGREE PROFILE

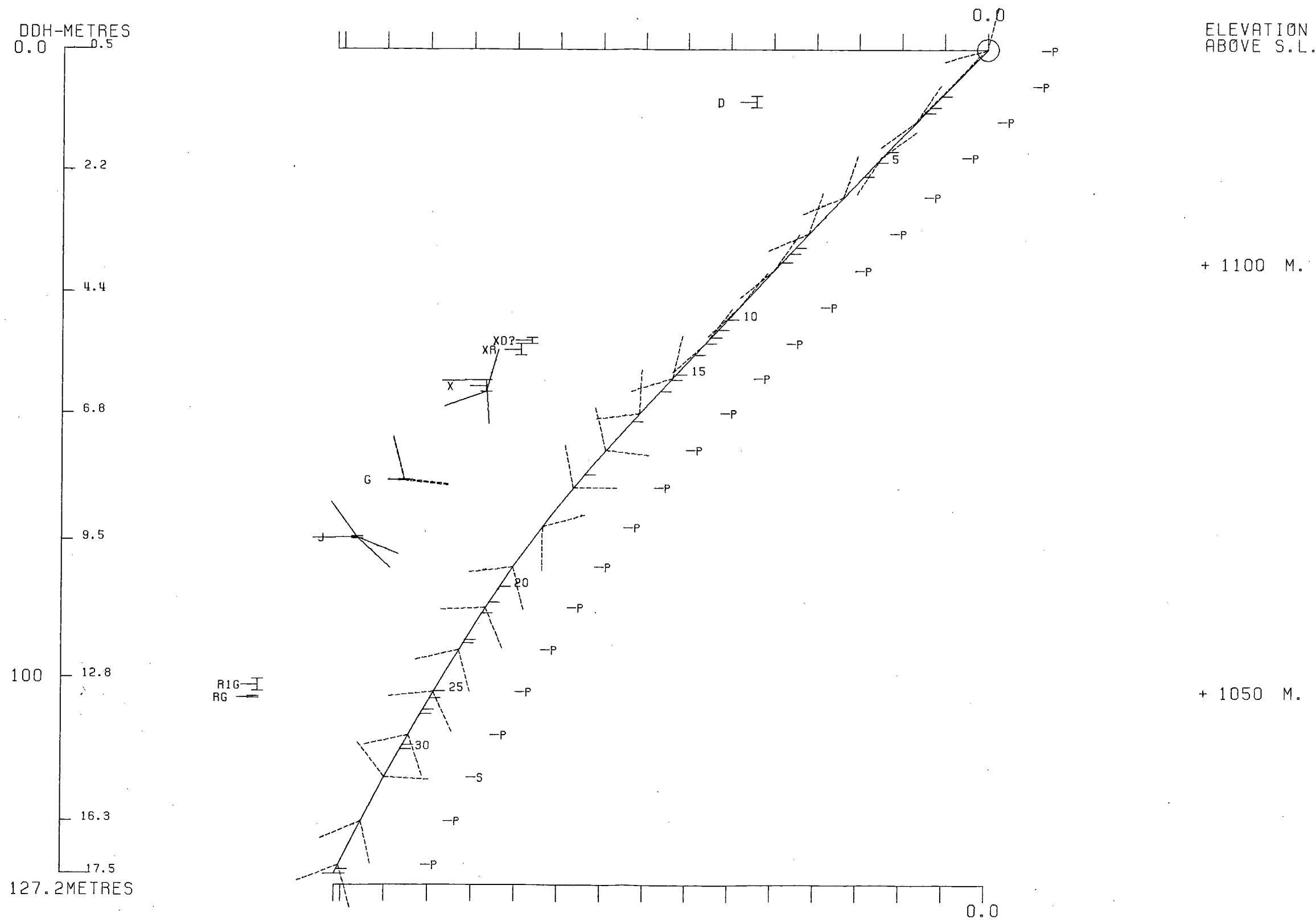
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1125 592228E ; 905003N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 455.1 Z = 1124.9

SECTION NAME: 76W



FAGU060

DRILL HOLE : FAGU060
NORTHING : 905,003.9
EASTING : 592,228.8
ELEVATION : 1,124.4
TOTAL DEPTH : 122.0
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 30
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 37
NOS DOWN-H-STRUCTURE: 25
NOS DOWN-H-FAULTS: 16
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU060 UTM-N: 905,003.9 UTM-E: 592,228.8 UTM-ELEV: 1,124.4 TOTAL DEPTH: 122.0 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	ASSAYS				S.G. W.R.				
FROM	TO												PO %	PY %	TOT FE	BAO %		HG %	MN %	AS %	BA %
1.1	2.7	07444	1.6	1.5	4A14	4.49	.04	3.20	4.09	35.00		.95	1	7	8						
2.7	4.3	07445	1.6	1.6	4A14	3.29	.05	2.89	5.00	33.00		1.10		6	7						
4.3	6.5	07446	2.2	2.2	4A14	3.12	.05	2.70	3.39	33.00		1.03	1	5	7						
6.5	8.6	07447	2.1	2.1	4A14	3.14	.04	3.20	3.70	40.00		1.23		7	7						
8.6	10.7	07448	2.1	2.1	4A10	2.91	.02	.53	1.94	12.00		.62	1	2	3						
10.7	12.2	07449	1.5	.8	4A14	3.08	.02	3.79	4.09	49.00		1.10		4	5						
12.2	14.4	07450	2.2	1.5	4A10	2.54	.04	1.17	.84	19.00		1.23		7	7						
14.4	16.6	07451	2.2	2.2	4A10	2.95	.05	1.13	1.30	22.00		1.37	1	6	7						
16.6	18.7	07452	2.1	2.1	4A10	3.12	.10	1.58	2.02	30.99		1.03	2	9	12						
18.7	20.8	07453	2.1	2.1	4A13	2.93	.08	1.08	1.20	24.00	23.00	.81		7	8						
20.8	22.8	07454	2.0	2.0	4A13	3.04	.08	.83	1.24	19.00		.95	1	10	11						
22.8	24.0	07455	1.2	1.2	4A14	3.35	.13	2.02	3.89	39.00		1.23	3	13	16						
24.0	25.8	07456	1.8	1.8	4A10	3.18	.11	1.58	2.02	27.99		1.23	1	12	13						
25.8	27.6	07457	1.8	1.8	4A14	3.04	.08	2.62	3.49	42.00		1.10	1	6	8						
27.6	28.1	07458	.5	.5	4A30	3.49	.19	.34	.63	15.99		.89	2	21	24						
28.1	29.2	07459	1.1	1.0	4E0	4.01	.34	.16	1.40	13.99		1.10	1	33	35						
29.2	29.9	07460	.7	.7	4E*4	4.20	.23	5.50	9.30	91.00		1.58	1	25	26						
29.9	31.5	07461	1.6	1.3	4A10	3.37	.17	.46	1.19	18.00		.95	2	19	21						
31.5	32.5	07462	1.0	.9	4E4	4.63	.14	9.00	9.09	143.00		1.98	1	29	30						
32.5	34.1	07463	1.6	1.6	4G4	4.59	.17	4.70	7.79	91.00	80.00	.89	1	20	21						
42.8	44.0	07464	1.2	1.2	4E64	4.53	.13	4.20	5.40	60.99		1.37	1	30	31						
56.4	56.8	07465	.4	.4	4G#4	4.00	.13	6.00	10.69	107.00		1.16	4	16	20						
59.4	60.7	07466	1.3	1.2	4E#4	4.01	.05	2.70	3.79	74.00		1.10		18	19						
60.7	62.0	07467	1.3	.5	4E#4	4.13	.04	6.09	10.69	102.00		.62	3	14	17						
96.0	97.0	07468	1.0	1.0	4A0	2.97	.07	1.19	2.50	23.00		.55	2	3	6						
105.5	106.1	07469	.6	.6	404	3.66	.11	8.59	13.50	152.00		1.98	4	7	12						
106.1	107.9	07470	1.8	1.8	4E4	4.38	.29	3.29	5.00	67.00		1.91	2	30	32						
107.9	109.7	07471	1.8	1.8	4E4	4.00	.36	4.29	7.40	82.00		1.78	3	20	24						
109.7	111.5	07472	1.8	1.8	4E0	4.04	.58	.85	2.50	30.99		1.43	3	27	30						
111.5	112.3	07473	.8	.8	4E14	3.56	.17	4.40	7.09	82.00	75.00	1.51	2	17	19						

WEIGHTED AVERAGE

1.1	34.1		33.0	31.0		3.31	.09	2.21	3.04	35.91	5.34	1.09	1	10	12						
42.8	44.0		1.2	1.2		4.53	.13	4.20	5.40	60.99		1.37	1	30	31						
56.4	56.8		.4	.4		4.00	.13	6.00	10.69	107.00		1.16	4	16	20						
59.4	62.0		2.6	1.7		4.07	.04	4.39	7.24	88.00		.86	2	16	18						
96.0	97.0		1.0	1.0		2.97	.07	1.19	2.50	23.00		.55	2	3	6						
105.5	112.3		6.8	6.8		4.03	.36	3.51	5.97	70.70	8.82	1.71	3	23	26						

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 38

DDH: FAGU060 UTM-N: 905,003.9 UTM-E: 592,228.8 UTM-ELEV: 1,124.4 TOTAL DEPTH: 122.0 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: FAGU060 UTM-N: 905,003.9 UTM-E: 592,228.8 UTM-ELEV: 1,124.4 TOTAL DEPTH: 122.0 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.1	0001	#		0.5-	1
4.3	0002	4A14	(4C0 SERICITIC)	0.5-	1
8.6	0003	4A14		0.5-	1
10.7	0004	4A10	83	0.5-	1
12.2	0005	4A14		0.5-	1
18.7	0006	4A10		0.5-	1
22.8	0007	4A10	83	0.5-	1
24.0	0008	4A14	(4D0)	0.5-	1
27.6	0009	4A10	84	0.5-	1
28.1	0010	4A30		0.5-	1
29.2	0011	4E0	81 & POROUS (4C0 SERICITIC)EOI	0.5-	1
29.9	0012	4E*4	81	0.5-	1
31.5	0013	4A10	(4C0)	0.5-	1
32.5	0014	4E4	8# 8a	0.5-	1
34.1	0015	4G4	(4E4)	0.5-	1
36.4	0016	5A6		0.5-	1
41.8	0017	5B0	(5A0&1)	0.5-	1
42.8	0018	5C\$3	.	0.5-	1
44.0	0019	4E64	(4G0)	0.5-	1
44.8	0020	5C\$3		0.5-	1
56.4	0021	5A0	(5B20)	0.5-	1
56.8	0022	4G#4		0.5-	1
59.4	0023	5A6	80	0.5-	1
62.0	0024	4E#4	POROUS BXA (4G4 8#)	0.5-	1
64.0	0025	5A0		0.5-	1
64.7	0026	4L1	(5D4)	0.5-	1
69.2	0027	5A0	(5D0) MINOR (4C0) MINOR	0.5-	1
79.7	0028	5B3	[5E0 PHYLL] (5D83)	0.5-	1
83.8	0029	5A3	(5B23)	0.5-	1
96.0	0030	5B0		0.5-	1
97.0	0031	4A0		0.5-	1
100.7	0032	5B0		0.5-	1
105.5	0033	5B6		0.5-	1
106.1	0034	4D4	(4A4)	0.5-	1
111.5	0035	4E4	81 80 EOI 88 MINOR	0.5-	1
112.3	0036	4E14	(4A4) 65:35	0.5-	1
122.0	0037	3G0		0.5-	1

DDH: FAGU060 UTM-N: 905,003.9 UTM-E: 592,228.8 UTM-ELEV: 1,124.4 TOTAL DEPTH: 122.0 SECTION: W 76
 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
FAGU060	0.0	1.6	PS2	P	0	0	0	0	74	230	C		1	1	1
FAGU060	0.0	7.6	PS2	S	0	0	37	0	60	230	C		1	1	1
FAGU060	0.0	13.7	CS2		0	0	1	0	60	230	C		1	1	1
FAGU060	16.7	17.6	PS2	P	0	0	0	0	55	230	C		1	1	1
FAGU060	17.6	23.2	CS2	M	0	0	0	0	75	230	C		1	1	1
FAGU060	0.0	24.0			0	0	0	0	47	230	0		1	0	0
FAGU060	0.0	28.0			0	0	0	0	86	230	0		1	1	1
FAGU060	0.0	34.5			0	0	0	0	64	230	0		1	1	1
FAGU060	0.0	37.0	PS2	P	0	0	0	0	68	230	C		1	1	1
FAGU060	37.0	41.8	CS2	M	0	0	0	0	70	230	C		1	1	1
FAGU060	41.8	45.0	PS2	P	0	0	0	0	68	230	C		1	1	1
FAGU060	45.0	50.0	CS2	S	0	0	0	0	85	230	C		1	1	1
FAGU060	50.0	56.0			0	0	0	0	82	230	0		1	1	1
FAGU060	0.0	63.0			0	0	0	0	70	230	0		1	1	1
FAGU060	0.0	69.0			0	0	0	0	66	230	0		1	1	1
FAGU060	0.0	74.0			0	0	0	0	58	230	0		1	1	1
FAGU060	0.0	80.0	PS2	P	0	0	0	0	64	230	C		1	1	1
FAGU060	80.0	86.0	CS2	S	0	0	0	0	70	230	C		1	1	1
FAGU060	86.0	92.0			0	0	0	0	80	230	0		1	1	1
FAGU060	0.0	98.0			0	0	0	0	63	230	C		1	1	1
FAGU060	0.0	101.8			0	0	0	0	65	230	0		1	1	1
FAGU060	0.0	105.5			0	0	0	0	63	230	0		1	1	1
FAGU060	0.0	111.0	PS2	P	0	0	0	0	52	230	0		1	1	1
FAGU060	0.0	115.0	CS2	E	0	0	0	0	40	230	0		1	1	1
FAGU060	0.0	122.0	PS2	P	0	0	0	0	64	230	C		1	1	1

DDH: FAGU060 UTM-N: 905,003.9 UTM-E: 592,228.8 UTM-ELEV: 1,124.4 TOTAL DEPTH: 122.0 SECTION: W 76
 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			
FAGU060	8.1	8.3	R				0	0	0	0	1		
FAGU060	12.2	18.7	RP	7			0	0	0	0	1		
FAGU060	23.1	23.2	XD?				0	0	0	0	1		
FAGU060	29.9	31.5	X				0	0	0	0	1		
FAGU060	34.1	36.4	R				0	0	0	0	1		
FAGU060	56.8	59.4	R1G				0	0	0	0	1		
FAGU060	59.4	62.0	RX				0	0	0	0	1		
FAGU060	66.0	66.3	QX				0	0	0	0	1		
FAGU060	67.7	68.1	QX				0	0	0	0	1		
FAGU060	74.0	74.2					0	0	60	180	0	0	1
FAGU060	0.0	85.9	G				54	0	0	0	0	0	1
FAGU060	101.7	103.5	GP				0	0	99	999	0	0	1
FAGU060	110.2	110.3	X				0	0	0	0	0	0	1
FAGU060	115.6	115.8	G				0	0	99	999	0	0	1
FAGU060	115.8	116.3	Q				0	0	0	0	0	0	1
FAGU060	118.5	118.6	G				0	0	99	999	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

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DDH: FAGU060 UTM-N: 905,003.9 UTM-E: 592,228.8 UTM-ELEV: 1,124.4 TOTAL DEPTH: 122.0 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU060 1 1

DIAMOND DRILL CORE LOG

Date: 14 July/81

Hole Number: FAGU-060 (76-U-060)

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

Location: SECTION 76 W

Claim: _____

UTM
Terr. Plane
Co-ords.: 6 905 003.9 m N

592 228.8 m E

Grid
Co-ords: 2 + 20.6 m N

76 + 00 m W

Elevation: 1124.4 m

Total Depth: 122.0 m

Purpose: DEFINITION - GRUM DEPOSIT

Reason hole Terminated: THROUGH MAIN SULPHIDES INTO FOOTWALL

RE Logged by: GG

Date(s) Logged: 13-14 July, 1981

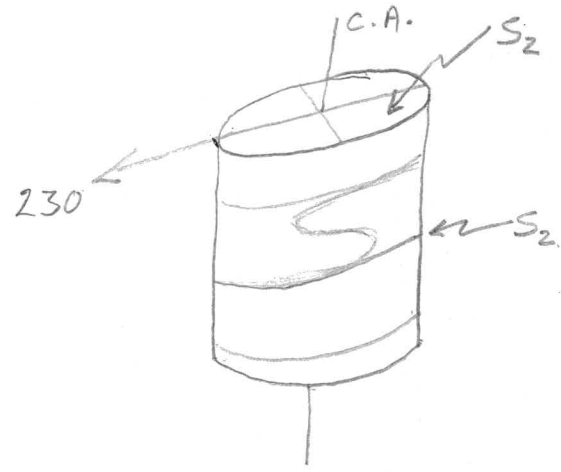
Drilling Contractor: CAMERON McCUTCHION

Size	CORE From	To	Collar Cased and Capped: _____
BQ	0.0	122.0 m	
_____	_____	_____	
_____	_____	_____	

Hole Cemented: _____

Steel down pipe: _____

Started: 10 APRIL/76 Completed: 11 APRIL/76



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230°

Conversion of
KA survey grid

Lithologic Log

Date: 14 July 81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.					No.	Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28	30				34	35
L		00		11							001	* No RECOVERY		
L		11		13							2	4A1A ± LOW CARBON/PHYL; +(4CO-SERICITIC)		11S
L		13		16							3	4A1A - PROD. CARBON PARTINGS 8.1-8.3 - FINE RUBBLE		11S
L		16		17							4	4A1A ± LOW SULPHIDE; minor PO@FW		11S
L		17		18							5	4A1A C+PHYL PARTINGS;		11S
L		18		19							6	4A1A C+PHYL. PARTINGS; 5 ft missing core in coarse rubble toward hangingwall;		11S
L		19		20							7	4A1A ± (3GZ-FINELY INTERBAND)		11S
L		20		21							8	4A1A - C & PHYL PARTINGS + (4DO) 23.1-23.2 = ZONE OF BARITE LINE VUGS (CO.5cm DIA) IN SULPHIDE BRECCIA;		11S
L		21		22							9	4A1A ± 4. C+PHYL. PARTINGS;		11S
L		22		23							10	4A3		11S
L		23		24							11	4E10 ± POROUS LAMS @ 0.4m H/W + (4CO-SER. TOWARD F/W)		11S
L		24		25							12	4E*4 ± 1 - HIGH GRADE + (SMALL BLACK METALLIC ?) SPECIES;		11S
L		25		26							13	4A1A + (4CO) LOCALLY MINOR BRECCIA- PROBS NO SIGNIFICANT MOVEMENT;		11S
L		26		27							14	4E4 ± * - minor calc/ank;		11S
L		27		28							15	4G4 ± (4E4) HONEY SPHAL; 25% BARITE;	4cm AZ UN	11S
L		28		29							16	5A6 FINE RUBBLE @ 10cm H/W; ENTIRE UNIT WELL PARTED ALONG S ₂ INTO COARSE RUBBLE;	PROB	11S
L		29		30							17	5B3 - MOD CALC ONLY VIA COMMON CALCITIC LAMS; + (5A3 ± 1)		11S
L		30		31							18	5C*3 - DOLO + CALC; 7% CHLORITIC STREAKS; 3cm 4G* @ 41.9 - POSS @ CLAST CAUGHT UP IN 5C OR A DRILLERS' ERROR;	PROB	11S

DDH FAGU 060
2 8

Cyprus Anvil Mining Corp.

Lithologic Log

Date: 14 July 81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.	No.	Unit	Description	F/W CNT				
									TYPE				
	10	14	16	20	22	24	26	28	30	34	35		
L	428		440				19	AE64	+ (AG0), Honey SPHAL ± 1 @ H/w & F/w	PROB	1/2		
L	440		448				20	5C*3	- Dolo + CALC; 5% CHLORITE				
									STRECVS → POSS. FOLD NOSE				
									THROUGH UNIT 18; ^{10cm F/W =} P3 RATHER THAN CHLORITE				
L	448		564				21	5A3	+ (5B23) - mod calc;	PROB	1/2		
L	564		568				22	AG*4	- V. CALC - comp BARITE SEEN	5cm QZ VN BRECCIA			
L	568		594				23	5A6	±3 - UNIT IS WELL PARTED	PROB	1/2		
									ALONG S ₂ INTO COARSE				
									RUBBLE + minor GOUGE;				
L	594		620				24	AE*4	- DOMINANTLY POROUS + BRECCIA	10cm QZ VN BRECCIA ~ 1/2			
									+ (AG4 ± * CALC); UNIT IS				
									DOMINANTLY FINE TO				
									COARSE RUBBLE - PASS A				
									FAULT THROUGH IF YOU WISH;				
L	620		640				25	5A3	HIGH CARBON;				
L	640		647				26	A1L1	+ (SD4(?))				
L	647		692				27	5A6	- SLIGHTLY CALC THROUGHOUT;	5cm QZ VN 1/2			
									+ (SD* - ANK, SERICITIC →				
									@ 67.7-68.1m)				
									66.0-66.3 - QZ VN BRECCIA				
									POSS 1/2 (?)				
									+ (4C0 @ F/W → 69.0-69.1 →				
									OVERLYING QZ VN CONTACT;				
L	692		797				28	5B3	V. CALC - [SEO-PHYL]	GRABES 30cm	1/2		
									+ (5D83 - CALCITE + CHLORITE				
									BANDS < 1cm THICK [5F3]				
									@ 70.5-71.0 - SHARP H/W CNT,				
									GRADAT'N F/W CNT)				
L	797		838				29	5A3	V. CALC + (5B23)	2cm QZ VN 1/2			
L	838		960				30	5B3	± SERICITIC; 10cm GOUGE @		1/2		
									85-9m				
L	960		970				31	4A40		20cm QZ VN BRECCIA			
L	970		1007				32	5B3			1/2		
L	1007		1055				33	5B6	101.7-103.5 = 60% GOUGE +	3cm QZ VN BRECCIA			
									MISSING CORE - GOUGES				
									MAINLY 1/2;				

DDH F.A.G.U.060
2 8

Cyprus Anvil Mining Corp.

Lithologic Log

Date: 14 July/81 Logged By: GG

UNITS = METRES

Code	From				To				Recov.				No.				Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28	30	34	35	1	2	3	4	Type			Qty	
L	10.55		10.61										34				ADA	+ (AAA)		1/2
L	10.61		11.15										35				AEA	+1 ± mica 8; 2% cpy in GASHES IN QZ-SULPHIDE V. FINE BRECCIA @ 110.2-110.3;	FINE RUBBLE 5cm	
L	11.15		11.23										36				AEA	+ (AAA = 35% OF UNIT)	PROB	1/2
L	11.23		12.20										37				3G2	FINE GRAINED; 115.6-115.8 - GOUGE 1/2 WITH F/W BULL QZ @ 115.8-116.3m; GOUGE 1/2 @ 118.5-118.6m; END OF HOLE @ 122.0m		

DDH FAGU060
2 8

Cyprus Anvil Mining Corp.

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UNITS = METRES

Structural Log

Date: 14 July 81 Logged By: GG

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14 16	20 22	24 26			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S			116		R/S/Z	R					7A	230	S-BANDS & C-STREAKS
S			176		R/S/Z	S			3.7	10.0	6.0		C-STREAKS;
S		170	1167										MANY TIGHT FOLDS - symm? - M
S			1137		C/S/Z				0.0	19.0	6.0		
S		1167	175		R/S/Z	R					5.5		
S		117	232			M					7.5		S+Z+M
S		1232	1240								4.7		
S			1280								8.6		
S			1315								6.4		
S			1370			R					6.8		
S		1370	118			M					7.0		ALTERNATING S/Z
S		1418	1450			R					6.8		
S		1450	1500			S					8.5		S+R
S		150	1560								8.2		
S			1630								7.0		S ₄ @ 011/00 @ 64m
S			1670								6.6		POSS Z-REGION? (Z- ^{ONE} seen @ 67m)
S			1740								5.8		- ONE S- seen @ 73m
S			1800			R					6.4		74.0-74.2 - TENSION GASHES @ 60/180
S		180	1860			S					7.0		S+R+H
S			1860										GOUGE H/W CNT 54/00 // F/W?
S		1860	1920								8.0		ALTERNATING S/Z+R
S			1980								6.3		- DOMINANTLY S
S			11015								6.5		
S		11015	11035										GOUGES - 10% // S ₂ // 70%?
S		11035	11055								6.3		
S			11110			R					5.2		
S			11150			E					4.0		15 cm CLOSURE IN CORE
S			11212			R					6.4		Z- IMMEDIATELY F/W TO ORG.
													END OF HOLE @ 122m

ASSAY LOG (SAMPLER'S COPY)

Date 14 July 81

Sampled by _____

UNITS -
Mg

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
		00		11				11		00	*		No Recovery
P		11		27	7444			16		15	AA14		+(40)
P		27		43	7445			16		16	AA14		+(40)
P		43		65	7446			22		22	AA14		
P		65		86	7447			21		21	AA14		
P		86		107	7448			21		21	AA0		
P		107		122	7449			15		08	AA14		
P		122		144	7450			22		15	AA1		
P		144		166	7451			22		22	AA1		
P		166		187	7452			21		21	AA1		
P		187		208	7453			21		21	AA13		+(3612)
P		208		228	7454			20		20	AA13		+(3512)
P		228		240	7455			12		12	AA14		+(4A14) 4A14
P		240		258	7456			18		18	AA14		+(4A1)
P		258		276	7457			18		18	AA14		+(4A1)
P		276		281	7458			05		05	AA30		
P		281		292	7459			11		10	AEX ⁰		+(40)
P		292		299	7460			07		07	AEXA		±1
P		299		315	7461			16		13	AA14		±5 4A14
P		315		325	7462			10		09	AEA		±*
P		325		341	7463			16		16	AGA		
P		428		440	7464			12		12	AEGA		+(460)
P		564		568	7465			04		04	AGA		- NO BARITE;
P		594		607	7466			13		12	AEXA		+(464 ±*)
P		607		620	7467			13		05			
SPLIT {		960		970	7468			10		10	AA14		NOT PREVIOUSLY SAMPLED BY K.A.
P		1055		1061	7469			06		06	ADA		+(4AA)
P		1061		1079	7470			18		18	AEA		±1
P		1079		1097	7471			18		18	AEA		±1
P		1097		1115	7472			18		18	AEA		±1
P		1115		1123	7473			08		08	AE14		+(4AA) // END OF HOLE @ 1224m.

Meters

FAULT

DDH FAG4060
2 8

Cyprus Anvil Mining Corp.

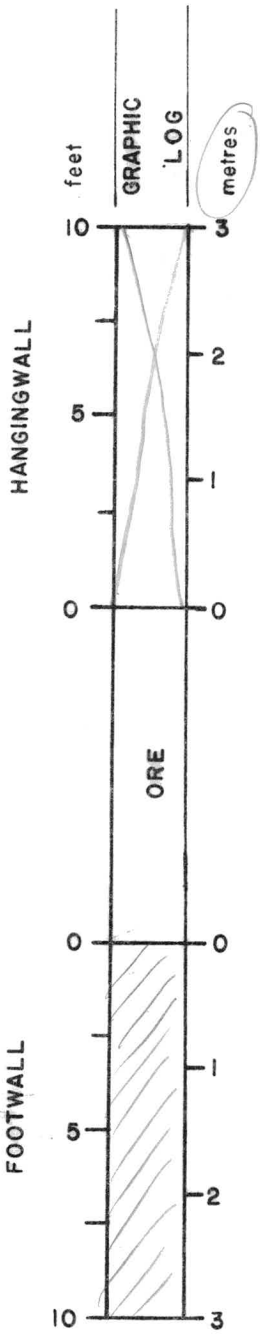
Page _____ of _____

Structural Log

Date: 28 Oct/83 Logged By: _____

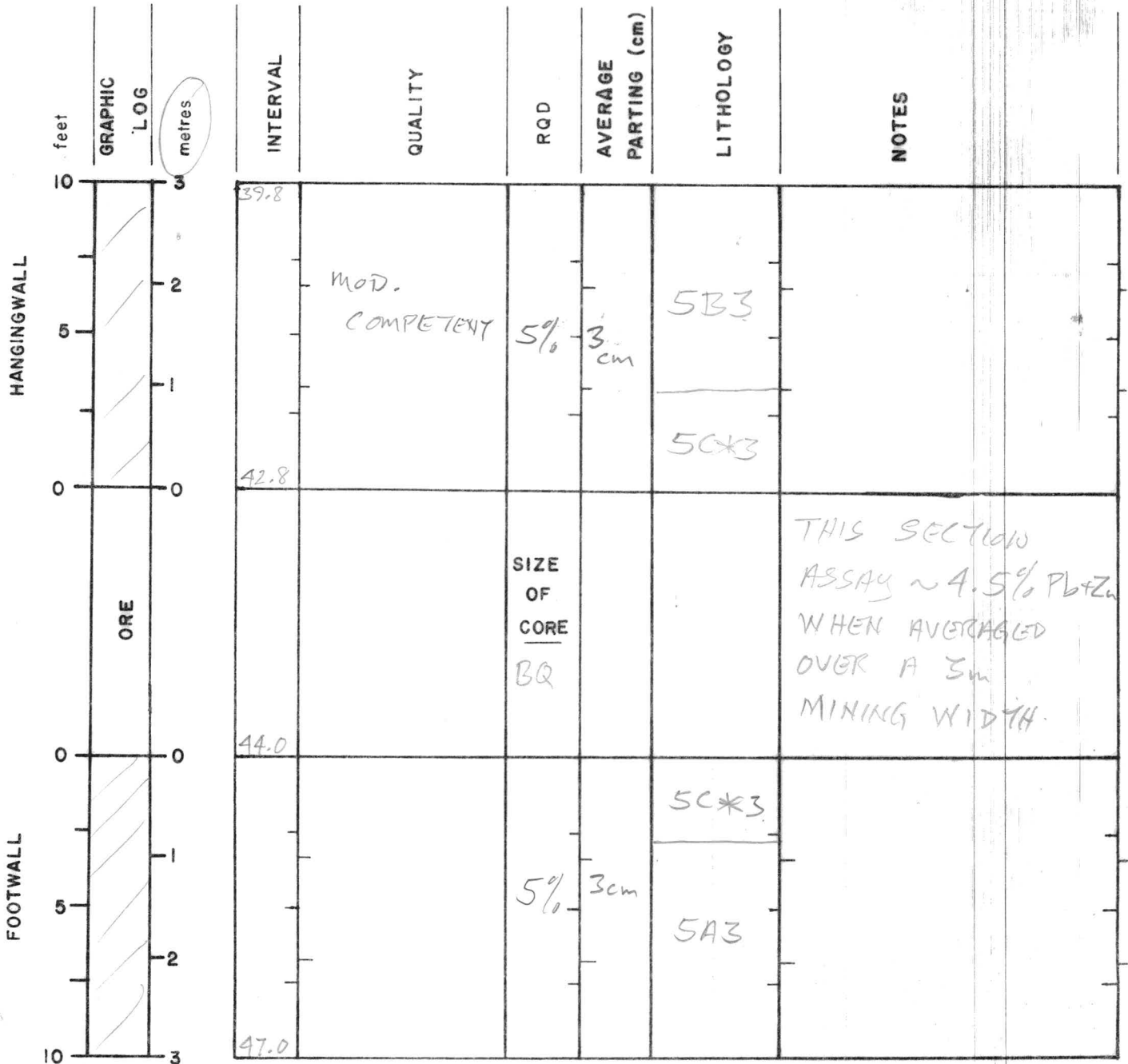
Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description	
	10	14	16	20			22	24	26	28	32	34		38
F		181		183	R1									fine rubble
F		1122		1187	R1P1	Z								75% recovery, coarse rubble
F		1213		1213	X1									barite lined vugs in sulphide bxa
F		1219		1315	X1									really minor bxa
F		1314		1316	R1									rubble
F		1516		1519	R11G									rubble + minor gouge
F		1519		1612	R1X1									rubble w/ bxa
F		1617		1618	Q1X1									qtz vein bxa
F		1616		1616	Q1X1									qtz vein bxa
F				1815	G1		514	01010						10 cm gouge
F		1101		1103	G1P1				919	91919				gouge 60% + missing core
F		1110		1110	X1									sulphide vein bxa
F		1115		1115	G1				919	91919				gouge // S ₂
F		1115		1116	Q1									qtz vein
F		1118		1118	G1				919	91919				gouge // S ₂
F		1740		1742	S1				610	11810				tension gashes

GEOTECHNICAL LOG



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
0.0					COLLARED IN ORE
34.1		SIZE OF CORE BQ			ORE IS GENERALLY COMPETENT
37.1	VERY WELL PARTED & RUBBLY	0%	0.5 cm	5A6 5B3.	

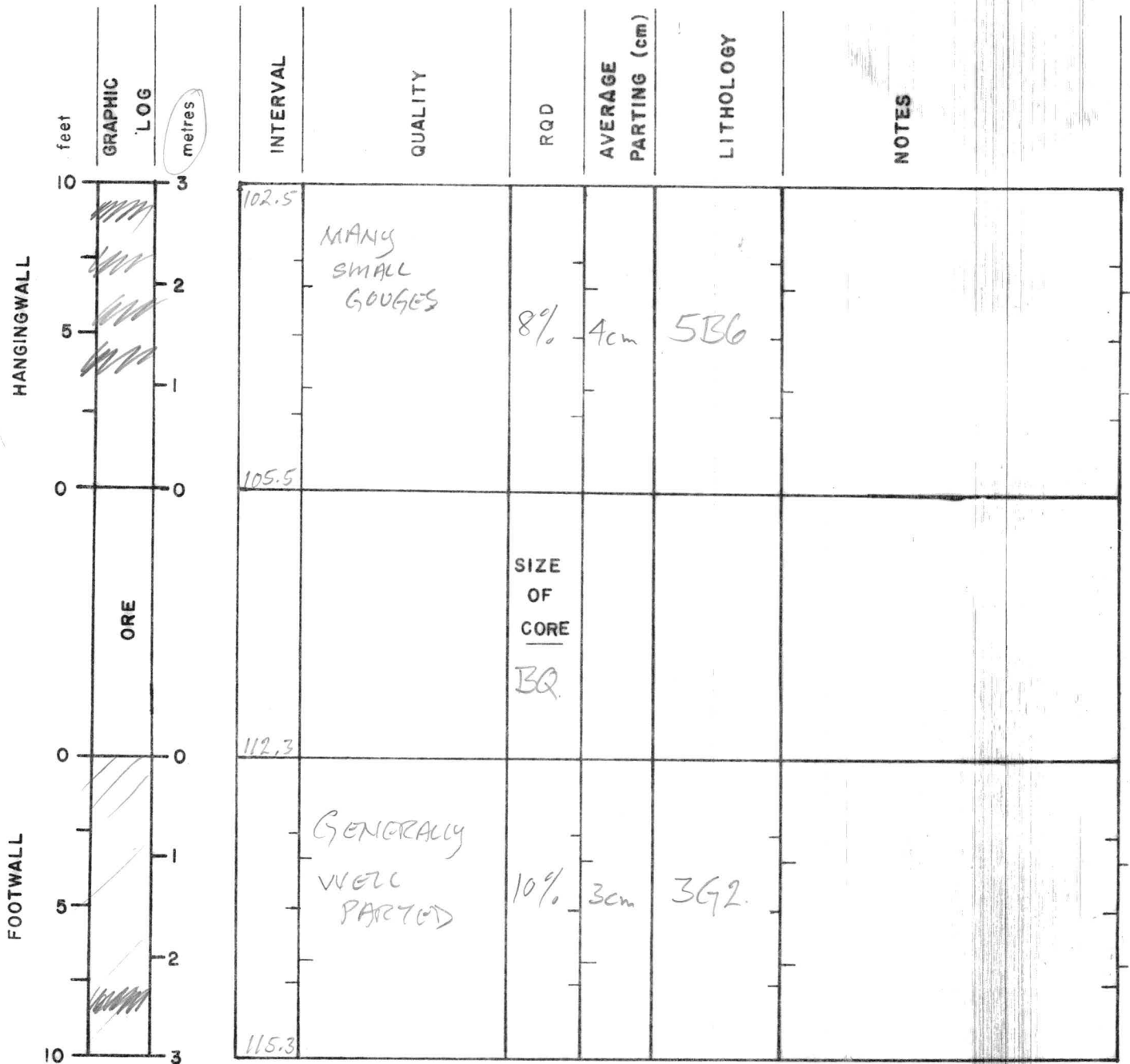
GEOTECHNICAL LOG



* SULPHIDE SECTION @ 56.4-56.8 = 1.8% Pb+Zn ONLY WHEN EXPANDED TO 3m MINING WIDTH. NOT PLOTTED FOR GEOTECH.

** SULPHIDE SECTION @ 76.0-97.0 m ALSO < 2% Pb+Zn NOT PLOTTED

GEOTECHNICAL LOG



DIAMOND DRILL RECORD

LOGGED BY _____

ALEXANDER Y. PO

D.D.H. No 76-U-60

PAGE 1

PROPERTY GRUM JOINT VENTURE

 LATITUDE 10 799.368N 2ⁿ+ 20.6^m STARTED APRIL 10/76

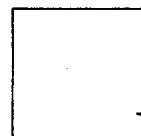
DEPARTURE 7535.886 E 76W COMPLETED APRIL 11/76

ELEVATION 1134.969m

PROPOSED DEPTH _____

ULTIMATE DEPTH 122m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR		



CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

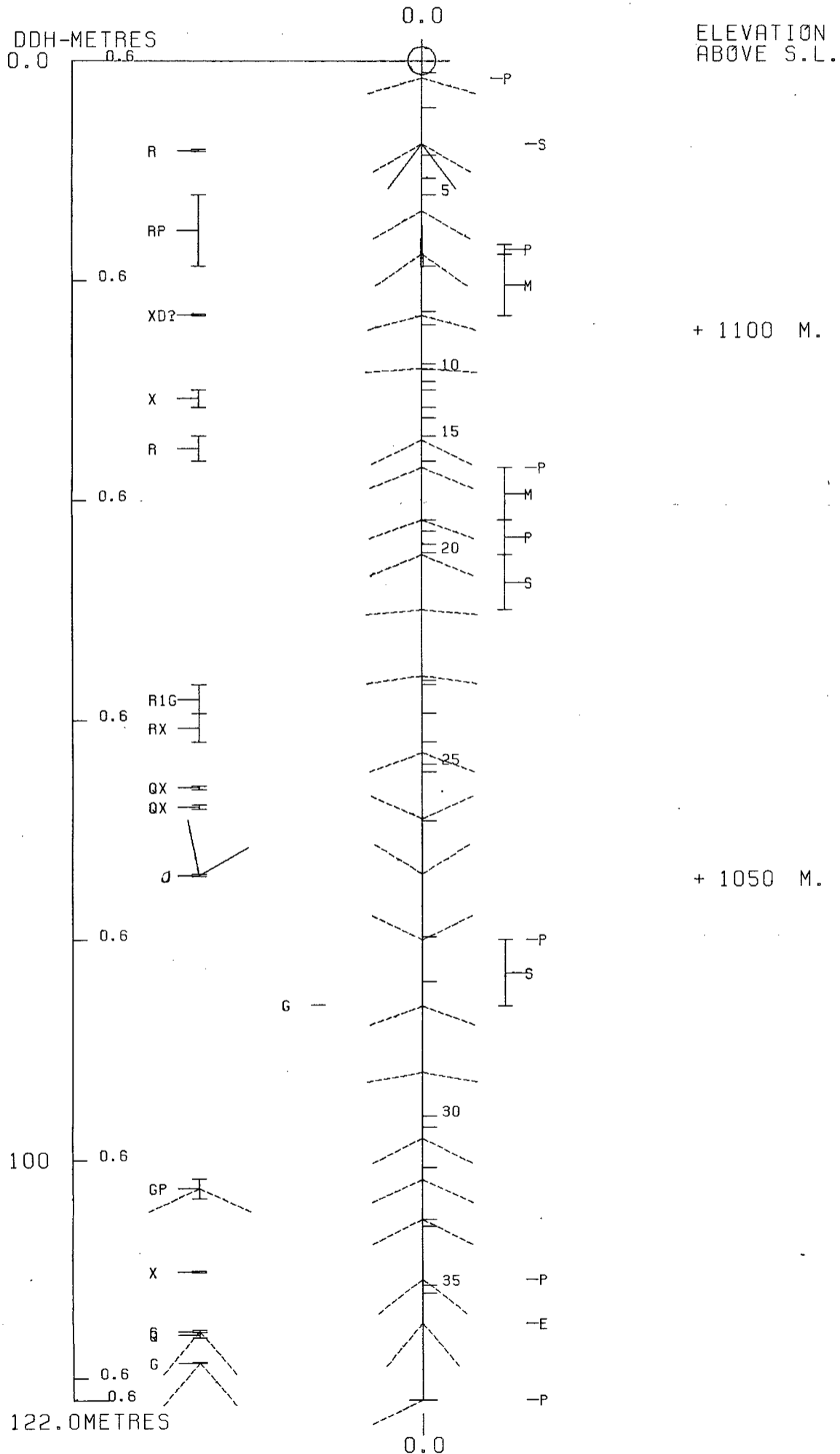
TOTAL CORE RECOVERY: 90.2%

Interval		DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval		Sample Length	Assay					Assay 2		
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	27.4	QUARTZ-SULPHIDE: Fairly competent. F ₂ foliation	15	6	0.3/1.5	2247	0	1.5	1.5	3.20	3.75	37.37			4.8	5.625	56.055
		85-95° w/F ₂ axial plane almost parallel to it. F ₁	15	6	1.0/1.5	8	1.5	3.0	1.5	3.90	4.95	34.29			5.85	7.425	51.435
		crest to crest plane 0°. Some short intervals of	20	7	1.4/1.5	9	3.0	4.5	1.5	2.73	4.70	29.14			4.095	7.05	43.71
		graphitic phyllite. Sulphides are usually in bands	15	6	1.4/1.5	2250	4.5	6.1	1.6	3.03	2.85	31.20			4.848	4.56	49.92
		following or parallel both foliations. Local sulf.	10	6	1.5/1.5	1	6.1	7.6	1.5	4.08	3.70	44.23			6.12	5.55	56.345
		concentration in places w/frequency increasing to-	15	6	1.4/1.5	2	7.6	9.1	1.5	2.05	3.75	27.43			3.075	5.625	41.145
		wards end of run. Barite prism lining cavity walls	10	5	1.0/1.5	3	9.1	10.6	1.5	0.43	1.58	7.20			0.645	2.37	10.8
DETAILS:		12.2-13.7: Broken grd.															
		21.2-21.5: Graphitic phy. w/fine sulf. laminae.	10	5	0.9/1.5	2254	10.6	12.2	1.6	3.40	4.05	40.46			5.44	6.48	64.736
		22.2-23: Small bx'ted body cemented by silica	10	4	0.8/1.5	5	12.2	13.7	1.5	1.75	1.75	23.31			2.625	2.625	34.965
		and some sulphides. Barite prisms in cavity walls	15	4	1.5/1.5	6	13.7	15.2	1.5	1.10	0.88	17.14			1.65	1.32	25.71
27.4	34.0	Graphitic Phy. gradually changing to closely spaced	15	4	1.5/1.5	7	15.2	16.7	1.5	1.50	1.48	23.31			2.25	2.22	34.965
		intervals of massive sulphs. Short: intervals of	15	6	1.5/1.5	2258	16.7	18.2	1.5	1.63	2.13	28.46			2.445	3.195	42.69
		porous sulphides. Barite prisms in cavity walls.	10	6	1.5/1.5	9	18.2	19.8	1.6	0.88	1.25	20.23			1.408	2.00	32.368
		30.1-30.2-BX: Sulf fragments w/some qtz. cemented	15	4	1.5/1.5	2260	19.8	21.3	1.5	1.25	1.50	24.34			1.875	2.25	36.51
		mainly by amorphous or crypto-x'lline sulphides.	20	6	1.5/1.5	1	21.3	22.8	1.5	1.05	1.35	20.23			1.575	2.025	30.345
		34: Sharp contact w/graphitic phyllite marked by	20	7	1.5/1.6	2	22.8	24.4	1.6	2.05	3.75	35.31			3.28	6.00	56.496
		bull quartz and small shear.	15	6	1.5/1.6	2263	24.4	26.0	1.6	2.08	2.05	32.23			3.328	3.28	51.568

DDH: FAGUOGO -- 42 DEGREE PROFILE

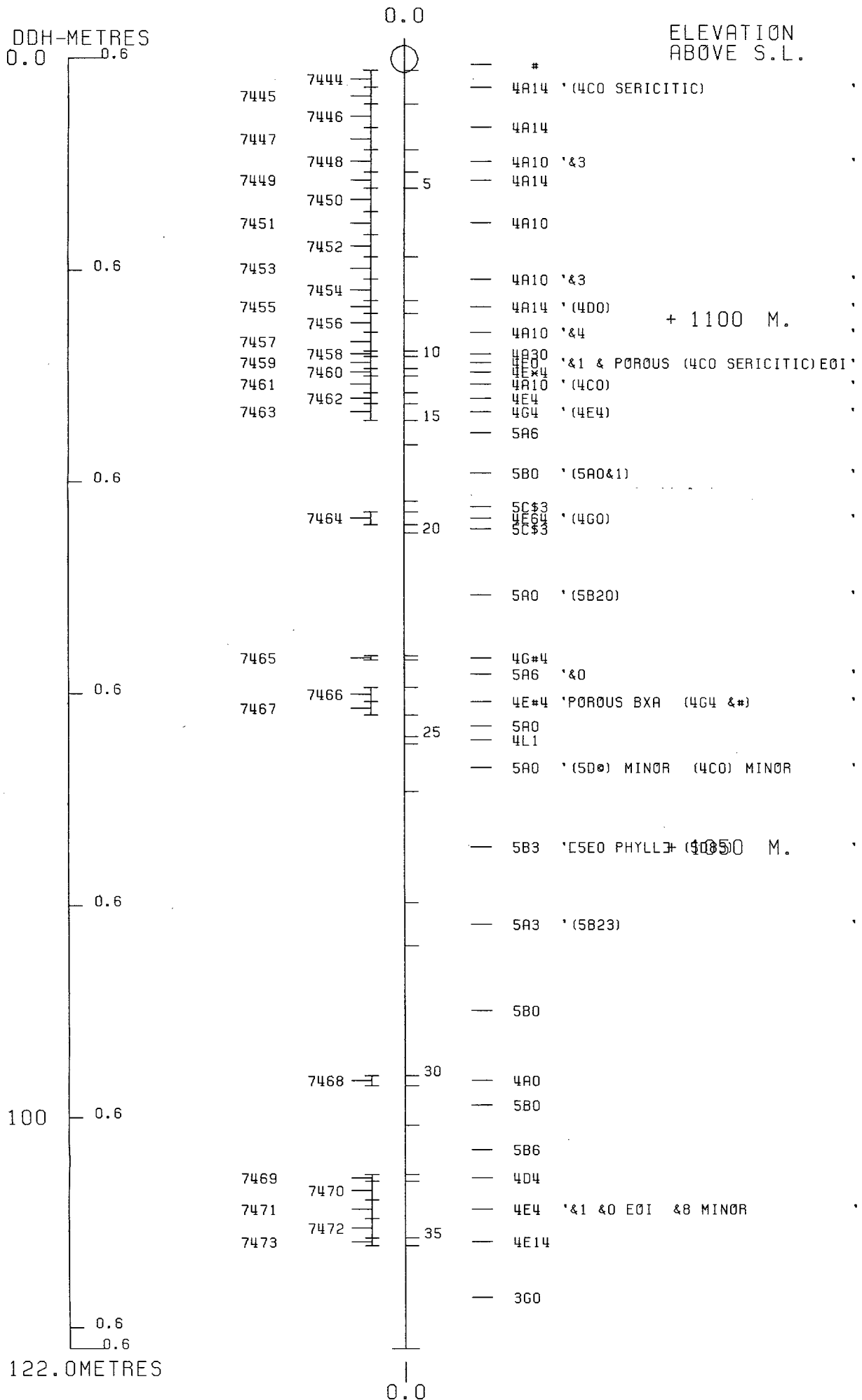
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1124 592229E ; 905004N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 456.6 Z = 1124.5
 SECTION NAME: 76W



DDH: FAGU060 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1124 592229E ; 905004N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 456.6 Z = 1124.5
 SECTION NAME: 76W



FAGU061

DRILL HOLE : FAGU061
NORTHING : 905,003.7
EASTING : 592,228.6
ELEVATION : 1,124.4
TOTAL DEPTH : 120.5
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 29
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 41
NOS DOWN-H-STRUCTURE: 28
NOS DOWN-H-FAULTS: 8
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

DDH: FAGU061 UTM-N: 905,003.7 UTM-E: 592,228.6 UTM-ELEV: 1,124.4 TOTAL DEPTH: 120.5 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	ASSAYS											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 %	BA %	
1.2	3.2	07415	2.0	1.9	4A14	3.52	.05	3.10	5.29	38.00		.81	1	7	8						
3.2	5.2	07416	2.0	2.0	4A14	3.10	.07	2.39	3.79	31.99		1.03		6	7						
5.2	7.2	07417	2.0	2.0	4A14	3.16	.05	3.60	5.20	48.00		.81		5	6						
7.2	9.2	07418	2.0	2.0	4A14	3.33	.05	3.79	5.09	61.99		.95	1	11	12						
9.2	11.3	07419	2.1	2.1	4A30	3.66	.17	.31	1.03	13.00		.75	1	23	25						
11.3	13.4	07420	2.1	2.1	4A30	3.72	.23	.65	.34	35.00		1.51	1	26	28						
13.4	15.5	07421	2.1	2.1	4A30	3.49	.11	.81	1.55	30.99		.81	1	21	22						
15.5	16.9	07422	1.4	1.4	4A14	3.08	.05	2.02	4.20	38.00		.68		5	6						
16.9	18.4	07423	1.5	1.5	4A13	3.45	.16	.46	.55	28.99		.68	1	21	22						
18.4	20.4	07424	2.0	1.8	4E0	3.72	.20	.14	.38	14.99		1.10	2	26	28						
20.4	22.4	07425	2.0	2.0	4E0	3.60	.19	.08	.32	11.00		.68	1	23	25						
22.4	24.3	07426	1.9	1.9	4E0	3.66	.33	.11	.29	13.00		.89	2	26	28						
24.3	25.1	07427	.8	.7	4E4	4.49	.20	8.30	10.00	141.00		1.64	2	25	28						
25.1	25.8	07428	.7	.7	4E14	3.81	.23	3.29	3.20	57.99		1.78	1	24	25						
25.8	27.4	07429	1.6	1.6	4E74	4.84	.14	9.69	7.09	147.00		1.43	4	28	33						
27.4	29.0	07430	1.6	1.6	4E74	4.84	.14	8.59	4.40	137.00		1.58	4	30	35						
29.0	30.0	07431	1.0	1.0	4E0		.34	.77	.34	27.99											
30.0	30.6	07432	.6	.6	4G4	4.83	.16	7.59	9.30	114.99		1.78	1	22	24						
30.6	32.8	07433	2.2	1.9	4E4	4.17	.20	5.90	7.79	100.00		1.78	1	23	25						
55.8	56.3	07434	.5	.5	4G4	4.20	.14	5.00	7.40	92.00		1.43	1	17	18						
59.9	60.9	07435	1.0	1.0	4G4	4.46	.17	6.79	10.69	136.00		2.06	1	11	13						
87.4	89.1	07436	1.7	1.7	4E1	4.38	.10	2.10	2.50	45.00		1.10	1	32	34						
89.1	90.8	07437	1.7	1.5	4E1	4.24	.16	2.20	2.50	37.00		1.16	1	29	31						
90.8	91.3	07438	.5	.5	5A\$	3.15	.16	1.13	1.14	24.00		.55	2	9	12						
91.3	91.7	07439	.4	.4	4A1	2.95	.02	1.12	2.29	23.00		.62	2	4	6						
91.7	92.8	07440	1.1	1.1	4H1	3.99	.11	.98	1.39	24.00		.68	2	31	34						
92.8	96.7	07441	3.9	3.9	4A1		.08	.56	.73	13.99											
112.2	113.7	07442	1.5	1.5	4D4	3.62	.10	6.90	14.49	114.99	108.00	1.43	4	11	15						
113.7	115.2	07443	1.5	1.5	4D4	3.54	.10	6.99	14.69	120.99		1.64	2	9	12						
WEIGHTED AVERAGE																					
1.2	32.8		31.6	30.9		3.60	.15	2.85	3.33	51.39		1.05	1	19	20						
55.8	56.3		.5	.5		4.20	.14	5.00	7.40	92.00		1.43	1	17	18						
59.9	60.9		1.0	1.0		4.46	.17	6.79	10.69	136.00		2.06	1	11	13						
87.4	96.7		9.3	9.1		2.34	.10	1.24	1.54	25.97		.55	1	15	17						
112.2	115.2		3.0	3.0		3.58	.10	6.94	14.59	117.99	54.00	1.54	3	10	13						

DDH: FAGU061 UTM-N: 905,003.7 UTM-E: 592,228.6 UTM-ELEV: 1,124.4 TOTAL DEPTH: 120.5 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	160.000	224.000
45.700	162.800	232.000
91.400	169.000	232.000
120.300	171.500	232.000

DDH: FAGU061 UTM-N: 905,003.7 UTM-E: 592,228.6 UTM-ELEV: 1,124.4 TOTAL DEPTH: 120.5 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.2	0001	#		0.5-	1
9.2	0002	4A14	(4D0)	0.5-	1
15.5	0003	4A30	(4C5) (4E15)	0.5-	1
16.9	0004	4A14	(4D5)	0.5-	1
18.4	0005	4A13	(4C5)	0.5-	1
24.3	0006	4E0	81 (4A30) (4C0 85)	0.5-	1
25.1	0007	4E4	87	0.5-	1
25.8	0008	4E14	(4A13)	0.5-	1
29.0	0009	4E74	81	0.5-	1
30.0	0010	4E0	81 87 88 84	0.5-	1
30.6	0011	4G4	(4E64)	0.5-	1
32.3	0012	4E4	88 81 86	0.5-	1
32.8	0013	3G9	(4E4# POROUS) 60:40	0.5-	1
41.8	0014	3G0		0.5-	1
53.3	0015	5A6	(5B26)	0.5-	1
55.8	0016	5B6	(5A6)	0.5-	1
56.3	0017	4G4	8# (4E14) (4C5 85) 40:20:40	0.5-	1
59.1	0018	5B62	CRACKLE BXA	0.5-	1
59.9	0019	5B20	85	0.5-	1
60.9	0020	4G4	8#	0.5-	1
70.1	0021	5A3	(5B02)	0.5-	1
72.0	0022	5D3\$	(5D4\$) 53:47	0.5-	1
72.9	0023	5B6		0.5-	1
85.3	0024	5B0		0.5-	1
86.0	0025	5B2\$		0.5-	1
86.8	0026	4A1	84 85	0.5-	1
87.0	0027	5D3\$		0.5-	1
87.4	0028	5A1		0.5-	1
90.8	0029	4E1	8#	0.5-	1
91.3	0030	5A\$		0.5-	1
91.7	0031	4A1	84 (4G*) 75:25	0.5-	1
92.8	0032	4H1	89 (4A0) (4E0) 45:18:37	0.5-	1
96.7	0033	4A1	83	0.5-	1
97.9	0034	5B0	84	0.5-	1
109.1	0035	5B0		0.5-	1
109.6	0036	3D8	[3G3 BIO]	0.5-	1
110.3	0037	5A0		0.5-	1
111.8	0038	3G3		0.5-	1
112.2	0039	5A0	BXA	0.5-	1
115.2	0040	4D4	(4E14) (5D3[5E0]) MINOR	0.5-	1
120.3	0041	3G0	83	0.5-	1

DDH: FAGU061 UTM-N: 905,003.7 UTM-E: 592,228.6 UTM-ELEV: 1,124.4 TOTAL DEPTH: 120.5 SECTION: W 76
 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
FAGU061	0.0	1.8	PS2		0	0	0	0	36	230	0		1	1	1
FAGU061	0.0	7.6	PS2		0	0	0	0	70	230	0		1	1	1
FAGU061	11.5	13.0	PS2	M	0	0	0	0	0	230	C		1	1	1
FAGU061	0.0	14.0	CS2	S	0	0	45	0	69	230	C		1	1	1
FAGU061	0.0	20.0	CS2	S	0	0	0	0	1	230	C		1	1	1
FAGU061	0.0	26.0			0	0	0	0	74	230	0		1	1	1
FAGU061	0.0	32.0			0	0	0	0	74	230	0		1	1	1
FAGU061	0.0	38.5	PS2	P	0	0	78	0	62	230	C		1	1	1
FAGU061	0.0	40.0	CS2	Z	0	0	77	180	83	230	0		1	1	1
FAGU061	40.0	43.0	CS2	M	0	0	0	0	0	230	0		1	1	1
FAGU061	0.0	47.0	CS2	S	0	0	57	0	75	230	0		1	1	1
FAGU061	47.0	49.0	CS2	Z	0	0	0	0	0	230	C		1	1	1
FAGU061	0.0	53.0	CS2	M	0	0	0	0	62	230	0		1	1	1
FAGU061	53.0	57.0	PS2	P	0	0	0	0	0	230	0		1	1	1
FAGU061	0.0	59.0	CS2	M	0	0	0	0	84	230	0		1	1	1
FAGU061	59.0	60.0	PS2	P	0	0	0	0	0	230	C		1	1	1
FAGU061	0.0	66.0	CS2	M	0	0	0	0	68	230	0		1	1	1
FAGU061	66.0	70.0	CS2	Z	0	0	0	0	0	230	0		1	1	1
FAGU061	0.0	75.0	PS2	P	0	0	0	0	77	230	C		1	1	1
FAGU061	0.0	81.0			0	0	0	0	75	230	0		1	1	1
FAGU061	0.0	87.5	CS2	M	0	0	0	0	84	230	C		1	1	1
FAGU061	0.0	93.0	PS2	P	0	0	0	0	68	230	0		1	1	1
FAGU061	0.0	99.0			0	0	0	0	70	230	0		1	1	1
FAGU061	0.0	103.0	CS2	S	0	0	0	0	80	230	0		1	1	1
FAGU061	0.0	106.0	CS2	M	0	0	0	0	64	230	C		1	1	1
FAGU061	0.0	113.0	CS2	S	0	0	0	0	65	230	C		1	1	1
FAGU061	0.0	115.0			0	0	43	0	60	230	0		1	1	1
FAGU061	0.0	120.5	PS2	P	0	0	0	0	63	230	0		1	1	1

DDH: FAGU061 UTM-N: 905,003.7 UTM-E: 592,228.6 UTM-ELEV: 1,124.4 TOTAL DEPTH: 120.5 SECTION: W 76
 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			
FAGU061	35.1	35.2	G				0	0	99	999	0	0	1
FAGU061	40.7	40.8	G				0	0	99	999	0	0	1
FAGU061	56.3	59.1	QX				0	0	0	0	0	0	1
FAGU061	0.0	59.9	X				0	0	0	0	0	0	1
FAGU061	111.8	112.2	R1G				0	0	0	0	0	0	1
FAGU061	112.0	112.2	X				0	0	0	0	0	0	1
FAGU061	118.1	118.3	G				0	0	29	270	0	0	1
FAGU061	119.1	119.4	G				0	0	45	300	0	0	1

DDH: FAGU061 UTM-N: 905,003.7 UTM-E: 592,228.6 UTM-ELEV: 1,124.4 TOTAL DEPTH: 120.5 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU061	1	2
FAGU061	2	2
FAGU061	3	2
FAGU061	4	1

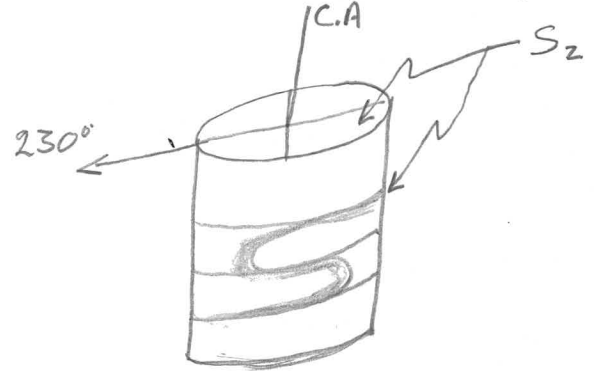
DIAMOND DRILL CORE LOG

Date: 12 July/81

Hole Number: FAGU-061 (76-U-061)

Reference Fabric Orientation Diagram:

Project: GRUM RELOG



Location: SECTION 76 W

Claim: _____

*UTM
Terr. Plane
Co-ords.:
Conversion of
KA Survey
grid.*

Co-ords.: 6 905 003.7m N

592 228.6m E

Grid Co-ords: 2 + 20.3m N

76 W

All symmetry determinations looking

Elevation: 1124.4 m

NW with S₂ dipping

Total Depth: 120.3m

SW with dip azimuth 230°.

Purpose: DEFINITION - GRUM DEPOSIT.

Reason hole Terminated: THROUGH MAIN SULPHIDES INTO FOOTWALL.

RE Logged by: GG

Date(s) Logged: 10-12 July/81

Drilling Contractor: CAMERON McCUTCHION

Size	CORE From	To	Collar Cased and Capped:
<u>BQ</u>	<u>0.0</u>	<u>120.3m</u>	<u>No</u>
_____	_____	_____	_____
_____	_____	_____	_____

Hole Cemented: No

Steel down pipe: No

Started: 11 APRIL/76 Completed: 13 APRIL/76

DDH F.A.G.U.O.G.1

Cyprus Anvil Mining Corp.

Page 3 of 11
 CHS/CIC/LTD
 DJS.

Lithologic Log

Date: 10 July/81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.		No.		Unit	Description	FW CNT	
	10	14	16	20	22	24	26	28			30	34
L	00		12				0.01	*		No Recovery		
L	12		12				2	AA1A		- CARBON ± PHYLLITIC PARTINGS + (4D0)		11S ₂
L	12		15.5				3	AA13		+ (4C5) + (4E15 → CARBON + PHYLLITE)		11S ₂
L	15.5		16.9				4	AA1A		ALL UNITS GRADATIONAL; - C + PHYL. PARTINGS + (4D5)		11S ₂
L	16.9		18.4				5	AA13		+ (4C5)		11S ₂
L	18.4		24.3				6	AE01		±1 + (4A3 - PHYL + C PARTINGS) + (4C0 IS - all GRADATIONAL)		11S ₂
L	24.3		25.1				7	AE4A		±7 → ? DIFFICULT TO SEE, MAGNETIC;	PROB	11S ₂
L	25.1		25.8				8	AE11		+ (4A13)		11S ₂
L	25.8		29.0				9	AE7A		±1 - HIGH GRADE.	PROB	11S ₂
L	29.0		30.0				10	AE01		±1 ± 7,8 + (4E4)		11S ₂
L	30.0		30.6				11	AG4		20% BARITE + HONEY SPHAL + (4E64)		11S ₂
L	30.6		32.3				12	AE4		±8 ± 1 ± 6		11S ₂
L	32.3		32.8				13	3G92		+ (4E4) - POROUS LAMS, CALC, ORANGE + RED SPHAL 32.6 - 32.8)		11S ₂
L	32.8		41.8				14	3G2		± FINE GRAINED; COMMON FINE SHEARRED PYRITE LENSES; + (5A613 TOWARD F/W) GOUCHES 11S ₂ @ 35.1 - 35.2 ± 40.7 - 40.8m;		11S ₂
L	41.8		53.3				15	5A6		LOW CARBON, ± FINE GRAINED, + (5B26)		11S ₂
L	53.3		55.8				16	5B6		± FINE GRAINED + (5A6 - LOW CARBON)		11S ₂
L	55.8		56.3				17	AG4		± CALC, 25% BARITE, ORANGE SPHAL. + (4E14 @ 56.0 - 56.1) + (4C* - DOLO/SERICITIC IS @ 56.1 - 56.3)		11S ₂

DDH FAGU.0.6.1
2 8

Cyprus Anvil Mining Corp.

Page 4 of 11

Lithologic Log

Date: 10 July 81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.	No.	Unit	Description	F/W CNT				
	10	14	16	20					22	24	26	28	30
L	563		591			118	SIB62	CRACKLE BRECCIA THROUGHOUT;					11S ₂
L	591		600			119	SIB23	+ * - DOLO INCREASING TOWARD F/W;					11S ₂
L	600		609			20	AIG4	40% BARITE, LT. ORANGE SPHAL, ± CALC; 2 cm H/W BRECCIA OF DOLO ^{CLASTS} IN AG4;	PROB				11S ₂
L	609		701			21	5A3	LOW CARBON; + (minor 5B32 @ 0.5m F/W)					11S ₂
L	701		720			22	SID*	ANK + DOLO; + (5D4* - DOLO @ 71.0-71.9)					11S ₂
L	720		729			23	5B6	-F.G.					11S ₂
L	729		853			24	5B3						11S ₂
L	853		860			25	5B2*	-DOLO → LOOKS LIKE LOW SULPHIDE 4A WITH DOLO INSTEAD OF QZ;	GRADES 10cm.				
L	860		868			26	A1A1	± * DOLO; LOW SULPHIDE;					11S ₂
L	868		870			27	SID*	DOLO + ANK.					11S ₂
L	870		874			28	5A11	HIGH C; ^{BARITOCALCIN} COARSE RUBBLE	PROB				11S ₂
L	874		908			29	A1E1	± * CALC + (AG* - CALC - NO BARITE) + (minor 4A4 - PH)	PROB				11S ₂
L	908		913			30	5A*	DOLO	PROB				11S ₂
L	913		917			31	A1A1	± 4 - CARBON PARTINGS; + (AG* @ 91.6-91.7m)					11S ₂
L	917		928			32	A1H1	± 9 + (4A0 - LOW SULPHIDES @ 92.2 - 92.4m) + (4E0 @ 92.4 - 92.8m)					~ 11S ₂
L	928		967			33	A1A1	± 3 - C & PH PARTINGS;					11S ₂
L	967		979			34	5B3	± F.G. ± 4;	GRADES 10cm				11S ₂
L	979		1091			35	5B3	± F.G.					11S ₂
L	1091		11096			36	3D8	= 3G3 WITH BIOTITE					11S ₂
L	11096		11103			37	5A3						11S ₂
L	11103		11118			38	3G3	F.G.					11S ₂

DDH F.A.G.U.O.G.1
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: 10 July 81 Logged By: GG

UNITS = METRES.

Code	From		To		Recov.			No.			Unit	Description	F/W CNT		
	10	14	16	20	22	24	26	28	30	34			35	TYPE	✓
L	11.1	11.8	11.12	11.2							39	SAB1	RUBBLE + MINOR GOUGE + (9E1 + 5A3 CLASTS → OPEN BRECCIA HEALED WITH CALCITE; FRAGS < 1cm DIA. @ 12.0-12.2m)	STEEP?	
L	11.12	11.2	11.15	11.2							40	ADA1	HIGH GRADE, 25% QZ + (9E14) + (minor 5D3 [SEO])		115
L	11.15	11.2	11.20	11.3							41	BGR1	#3 - F.G. GOUGES AT 118.1-118.3m, 119.1-119.4m; TALCOSE IN PLACES ESPECIALLY GOUGES;		
													END OF HOLE @ 120.3m		

DDH FAGU061
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: 12 July 81 Logged By: GG

UNITS = METRES

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
							Dip	Direct.	Dip	Direct.	Dip	Direct.	
	10	14	16	20									
S				18	RSZ						316	2130	C-STREAKS
S				17	RSZ						710		"
\$	111	15		13	RSZ						00		-M-REGION - 5' CLOSURE!
S				14	CSZS			45	100	69			S-FOLD ON CORE.
S				20	CSZS					010			-S-BAND + C-STREAKS M-REGION 18.5-21.5m
S				26						7A			-S-BANDS M → 24.0 - 24.5 (S ₂ = 0° TO C.A.)
S				32						7A			
\$				35									Small gouge // S ₂
S	133	0		38	R			7.8	100	62			
S	138	5		40	Z			7.7	118	8.3			
S	140	0		43	M								E's & 3's.
S	143	0		47	S			5.7	100	7.5			
S	147	0		49	Z								
S	149	0		53	M						62		
S	153	0		57	R								
S	157	0		59	M						84		
S	159	0		60	R								
S	160	9		66	M						6.8		REVERSING S/Z.
\$	166	0		70	Z								
S	170	0		75	R						7.7		
S	175	0		81	M						7.5		REVERSING S/Z.
S				87	M						8.4		S @ F/W
S	187	5		93	R						6.8		
S	193	0		99							7.0		
S				103	S						8.0		
S	110	30		106	M						6.4		
S	110	60		113	S						6.5		
S	111	3		115				4.3	100	6.0			+S
S				120	R						6.3		GOUGES @
													118.0m 29/270°
													119.0m 45/300°
													END OF HOLE @ 120.3m

ASSAY LOG (SAMPLER'S COPY)

Date 12 June 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			
	00	12		12	100		No RECOVERY
P	12	32	74115	20	19	4A14	+(4D0)
P	32	52	74116	20	20	4A14	+(4D0)
P	52	72	74117	20	20	4A14	+(4D0)
P	72	92	74118	20	20	4A14	+(4D0)
P	92	113	74119	21	21	4A13	+(4C5) + (4E15)
P	113	134	7420	21	21	4A13	+(4C5) + (4E15)
P	134	155	7421	21	21	4A13	+(4C5) + (4E15)
P	155	169	7422	14	14	4A14	+(4D5)
P	169	184	7423	15	15	4A13	+(4C5)
P	184	204	7424	20	18	4E0	±1 + (4A3)
P	204	224	7425	20	20	4E0	±1 + (4A3)
P	224	243	7426	19	19	4E0	±1 + (4A3)
P	243	251	7427	08	07	4E4	±7
P	251	258	7428	07	07	4E0	+(4A13) 4E14
P	258	274	7429	16	16	4E74	±1
P	274	290	7430	16	16	4E74	±1
P	290	300	7431	10	10	4E0	
P	300	306	7432	06	06	4G4	
P	306	328	7433	22	19	4E4	±8±1±6 + (3G29)
P	558	563	7434	05	05	4G4	+(4C*) + (4E14)
P	599	609	7435	10	10	4G4	
P	874	891	7436	17	17	4E1	+(4G*)
P	891	908	7437	17	15	4E1	+(4G*)
P	908	913	7438	05	05	5A*	
P	913	917	7439	14	04	4A1	+(4G*)
P	917	928	7440	11	11	4A1	±2 (4A0)
P	928	967	7441	39	39	4A1	
P	11122	11137	7442	15	15	4D4	
P	11137	11152	7443	15	15	4D4	
							END OF HOLE @ 120.3m

Meters

FAULT

DDH FAG4061
2 8

Cyprus Anvil Mining Corp.

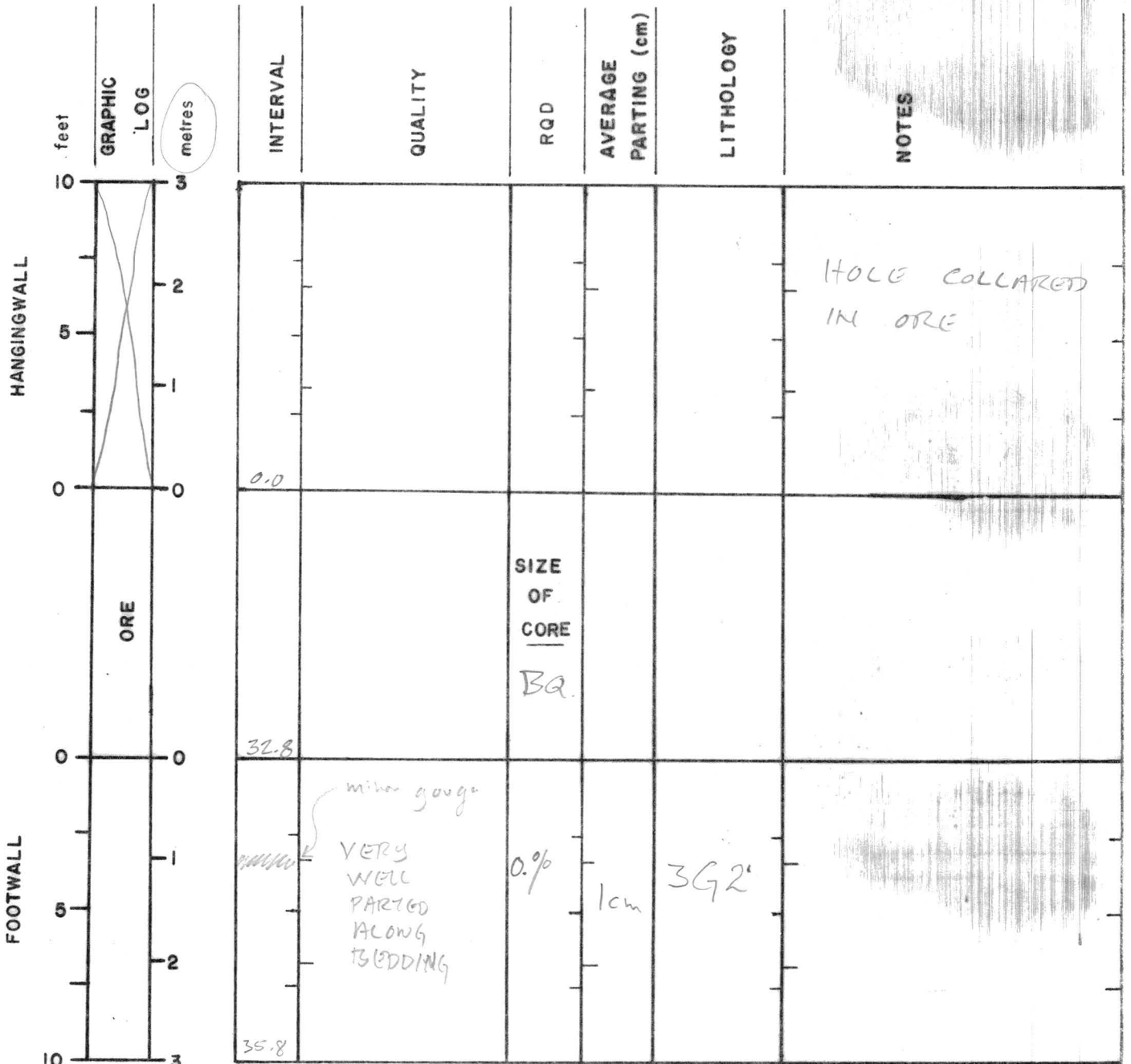
Page _____ of _____

Structural Log

Date: 28 Oct/83 Logged By: _____

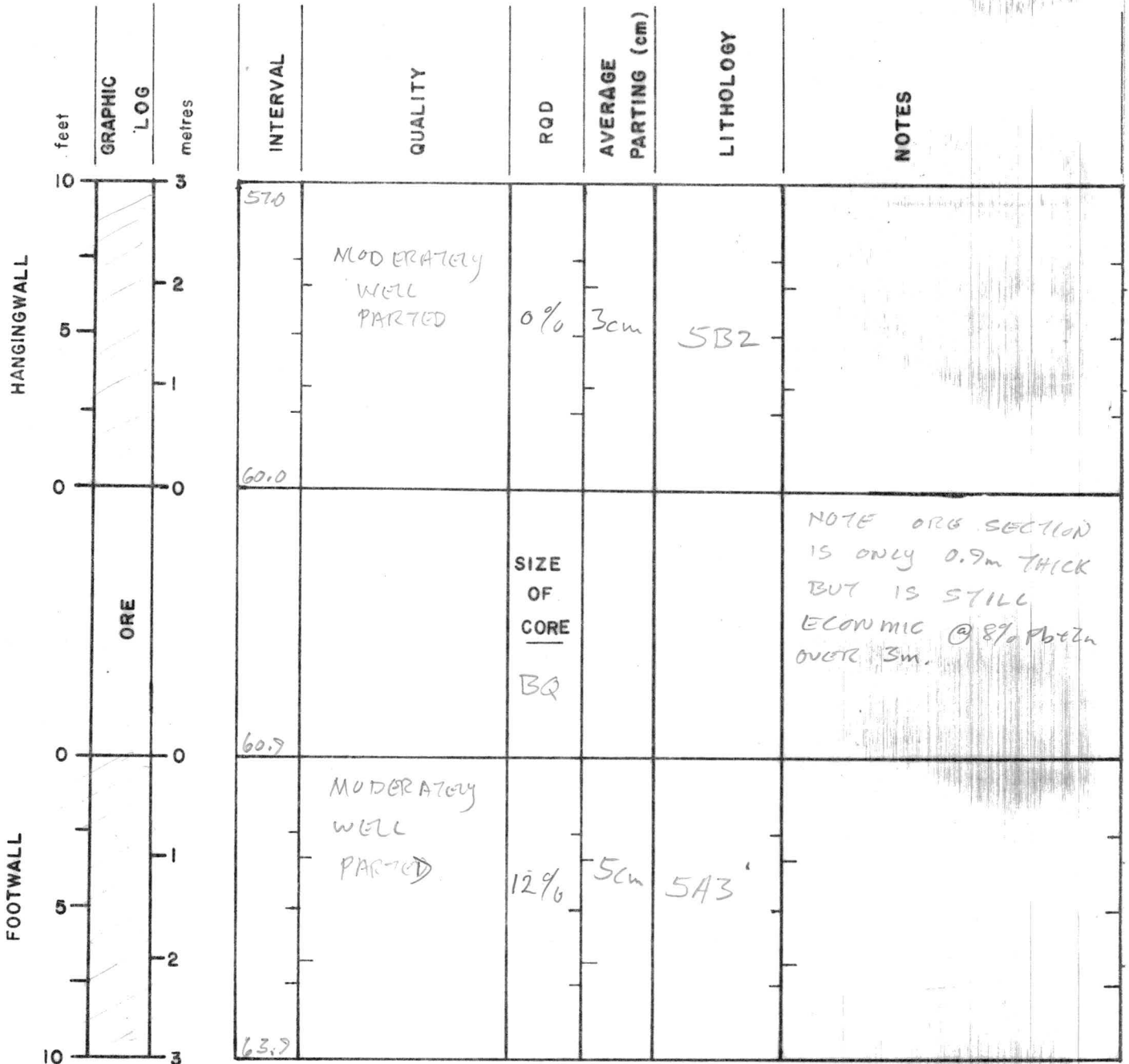
Code	From			To			Feature	S.E.	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24			26	28	Dip	Direct.	Dip	Direct.	
F	13	5	1	13	5	2	G			9	9	9	9		gauge // S ₂
F	14	0	7	14	0	8	G			9	9	9	9		gauge // S ₂
F	15	6	3	15	9	1	QX								crackle bxw
F	15	9	9	15	9	9	X								dolomite clasts in 4G4
F	17	1	18	17	1	2	R/G								rubble & minor gauge
F	17	1	12	17	1	2	X								sulphides clasts in calcite matrix
F	17	1	18	17	1	3	G			2	19	2	7	0	gauge
F	17	1	19	17	1	4	G			4	15	3	0	0	gauge

GEOTECHNICAL LOG

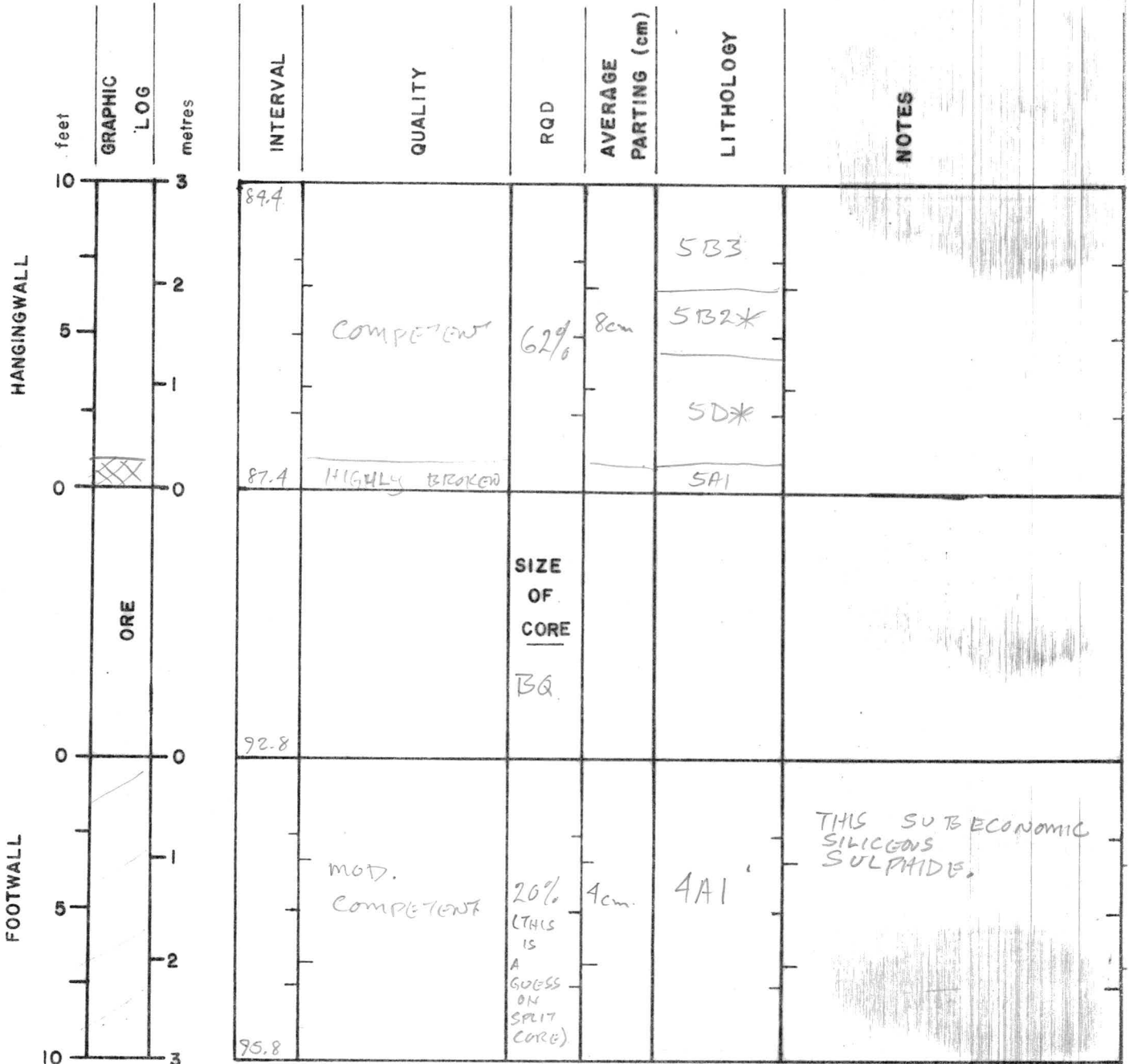


* ALSO SMALL SULPHIDE BAND
 @ 55.8 - 56.3m EQUIVALENT TO 2% OVER 3m
 SUBECONOMIC.

GEOTECHNICAL LOG



GEOTECHNICAL LOG



HANGINGWALL

FOOTWALL

feet

10

5

0

0

5

10

GRAPHIC LOG

ORE

metres

3

2

1

0

0

1

2

3

INTERVAL

QUALITY

RQD

AVERAGE PARTING (cm)

LITHOLOGY

NOTES

89.4

87.4

92.8

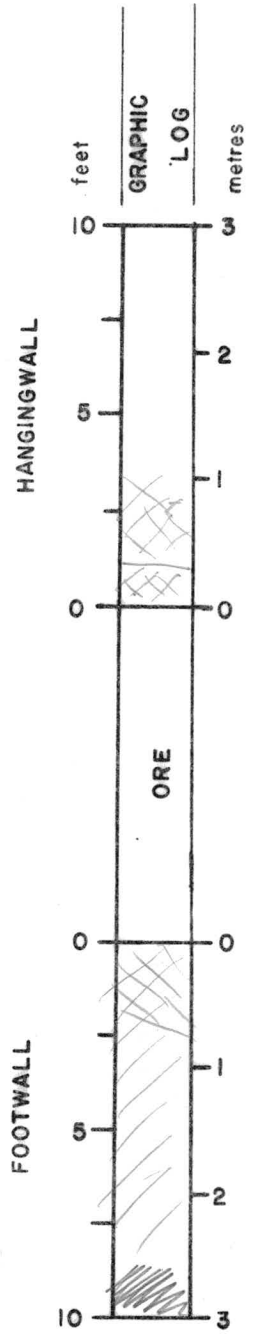
95.8

SIZE OF CORE

3Q

THIS SUBECONOMIC SILICEOUS SULPHIDE.

GEOTECHNICAL LOG



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
109.2	COMPETENT	21%	5cm	5A3	
	BREAKDOWN		1cm	3G3	
112.2				5A3	
		SIZE OF CORE BQ			
115.2	WELL PARTED	0%	1cm	3G2	
118.2	GOUGE				

DIAMOND DRILL RECORD

 LOGGED BY ALEXANDER Y. PO

 D.D.H. No 76-D-61 PAGE 1

 PROPERTY GRUM JOINT VENTURE

 LATITUDE 10,799.082 2N+20.3^m N STARTED April 11, 1976

 DEPARTURE 7535.677 76W COMPLETED April 13, 1976

 ELEVATION 1135.001m PROPOSED DEPTH _____
 ULTIMATE DEPTH 1203m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR*	224°	-70°
150'=4572	231°	-73°
300'=91.4	262°	-79°
394.6=120.3	262°	-81°



CLAIM No _____

↑
N
↓

* Collar V not surveyed. Use layout Brg. + Dip.
 May be due to magnetic interference
 DIRECTION AND DISTANCE
 FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 95.13%

Interval		DESCRIPTION	Py	Zn	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	18.2	QUARTZ-SULPHIDE: Plenty of broken grd. intervals.	30	8	0.05/1.5	2280	0	1.5	1.5	4.88	8.08	80.57			7.32	12.12	120.85
		Foliation 80° (F ₂). F ₁ is S-shaped (cto-c plane 0°)	25	8	1.2/1.5	2281	1.5	1.5	1.5	3.78	5.55	38.40			5.67	8.325	57.6
		Sulfides in bands and locally enriched w/sph and gal. Barite prism lining cavity walls. Short intervals of porous sulphides. 0-1.5: Broken core.	30	8	1.4/1.5	2282	3.0	4.5	1.5	2.83	4.10	30.17			4.245	6.15	45.255
		12.1-13: Massive sulphide material Extremely low core recovery. Galena rich.	35	8	1.2/1.6	2283	4.5	6.1	1.6	3.40	4.45	38.40			5.44	7.12	61.44
			35	10	1.5/1.5	2284	6.1	7.6	1.5	4.13	5.25	53.49			6.195	7.875	80.235
			30	8	1.4/1.5	2285	7.6	9.1	1.5	4.08	5.35	70.63			6.12	8.025	105.945
18.2	32.6	MASSIVE SULFIDE ZONE: Competent. Short intervals of qtz. sulfides. Foliation in m. sulfides completely obliterated except for one short interval showing po-si rich band 45°. (32.1m) Po-Mggt in clots sporadically and widely distributed in bands and isolated clots. Foliation in included qtz.-32.6: Sharp contact with graphitic phyllite. sulfide runs -60° marked by sulfide trains.	35	6	1.3/1.5	2286	9.1	10.6	1.5	0.83	1.10	26.40			1.245	1.65	39.6
		NOTE: Footage wood block for 28.9 misplaced by drill crew.	30	6	1.0/1.5	2287	10.6	12.1	1.5	0.10	0.45	12.00			0.15	0.675	18.0
			60	8	1.5/1.6	2288	12.1	13.7	1.6	0.90	0.95	38.40			1.44	1.52	61.44
			35	6	1.2/1.5	2289	13.7	15.2	1.5	0.75	1.23	22.29			1.125	1.845	33.435
			40	8	1.4/1.5	2290	15.2	16.7	1.5	2.04	3.55	43.54			3.06	5.325	65.31
			45	6	1.4/1.5	2291	16.7	18.2	1.5	0.58	0.63	26.40			0.87	0.945	39.6
			60	6	1.4/1.6	2292	18.2	19.8	1.6	0.10	0.33	12.00			0.16	0.528	19.2
			25	6	1.5/1.5	2293	19.8	21.3	1.5	0.20	0.58	16.11			0.30	0.87	24.165
32.6	68.6	GRAPHITIC PHYLLITE: Very fissile. Fine laminations of black (carbonaceous) and white (qtz and occasional calcite) materials. F ₂ 85°; F ₁ (c to c plane) 0°	60	5	1.4/1.5	2294	21.3	22.8	1.5	0.08	0.19	8.91			0.12	0.285	13.365
			70	6	1.4/1.5	2295	22.8	24.3	1.5	0.12	0.17	9.94			0.18	0.255	14.91
			75	10	1.5/1.6	2296	24.3	25.9	1.6	7.17	7.16	109.03			11.472	11.456	174.444

Interval		DESCRIPTION	Recovery	Sample NQ	Interval		Sample Length	Assay					Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
87.3	91.0	MASSIVE SULPHIDE ZONE. Competent. Short intervening graphitic phyllite gaps (3-10cm) having sharp contacts 70-80°. Compositional banding give pseudo-foliation in some short intervals-50° with sph. rich thin laminae. Barite prisms in open cavities. Crypto x'lline quartz sometimes w/calcite as amygdaloidal fillings. 91: Sharp contact w/bleached phyllite.																
		Py ZN 60 8	1.5/1.5	2304	86.8	88.3	1.5	1.70	2.03	27.43				2.55	3.045	41.145		
		Py Zn	1.5/1.5	5	88.3	98.9	1.6	1.80	2.03	35.31				2.88	3.248	56.496		
91.0	91.4	BLEACHED PHYLLITE COMPETENT. Foliation 80° marked by fine laminae of bleached white materials (sericite?) and dark gray phyllite material. calcitic groundmass.. 91.4: Sharp contact w/Qtz-sulfide																
		60 8	1.3/1.5	2306	89.9	91.4	1.5	2.78	2.85	40.46				4.17	4.275	50.69		
		45 6	1.5/1.5	2307	91.4	92.9	1.5	1.28	1.80	24.34				1.92	2.70	36.51		
		25 6	1.5/1.5	2308	92.9	94.4	1.5	0.25	0.48	8.91				0.375	0.72	13.365		
		25 6	1.6/1.6	2309	94.4	96.0	1.6	0.40	0.16	8.23				0.64	0.256	13.168		
91.4	96.0	QUARTZ-SULPHIDE: Competent. With some massive sulf. bands. Regular foliation 40°. Laminae with boudin like alignments of quartz (F ₂) from 91.4-92. Intervals of graphitic phyllite with foliation-85-90 F ₂ and F ₁ (c to c) 0°-10cm 91.4-91.6: Massive PO. 96: Gradual change to dark sericite phyllite with trace of graphite.																
		Wt.Av.			92.9	96.0	3.1	0.64	PbZn									
		Wt.Av.			86.8	92.9	6.1	1.89	2.17	31.93				11.52	13.268	194.805		

DDH: FAGU061 -- 42 DEGREE PROFILE

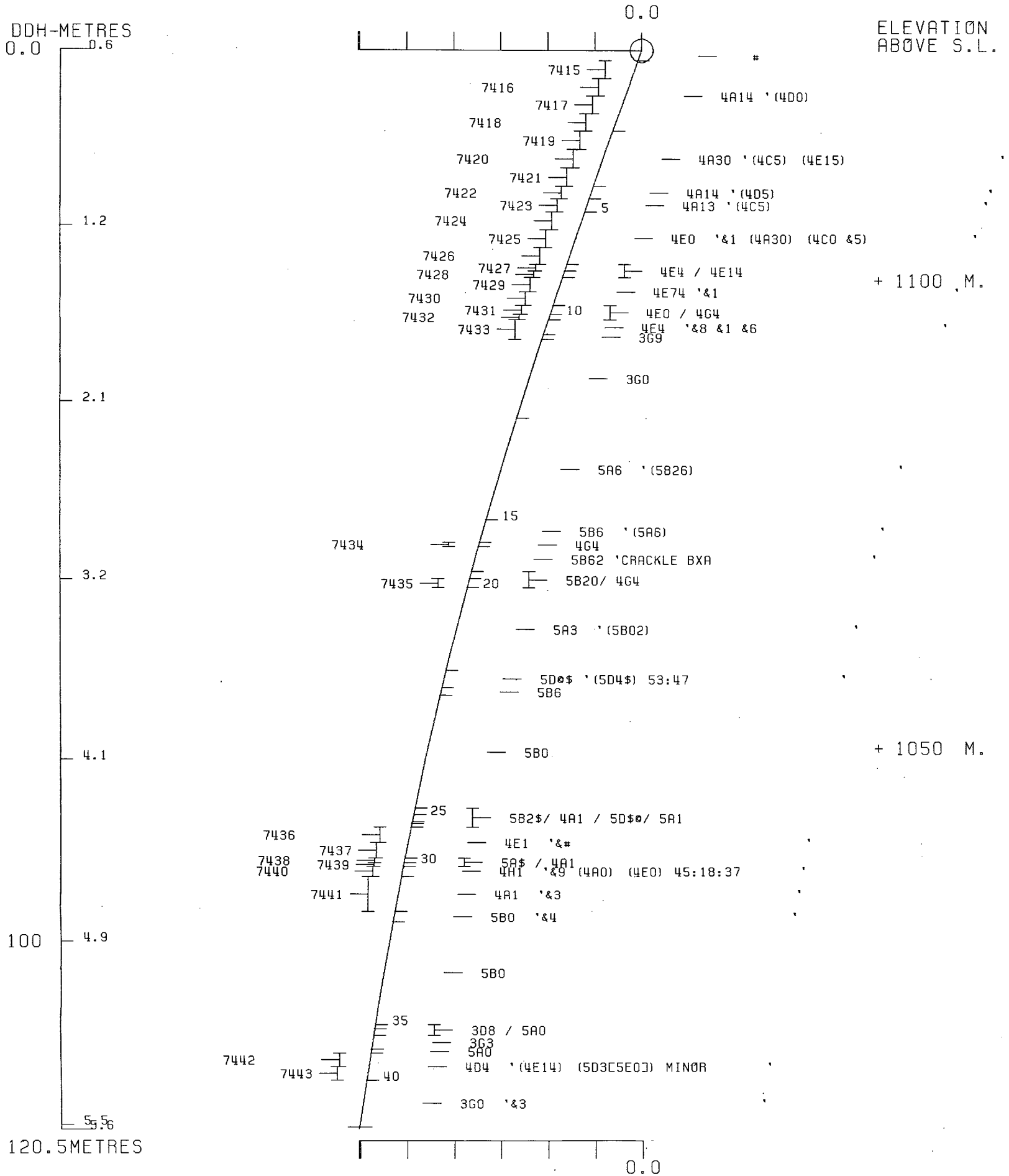
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1124 592229E ; 905004N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 456.3 Z = 1124.5

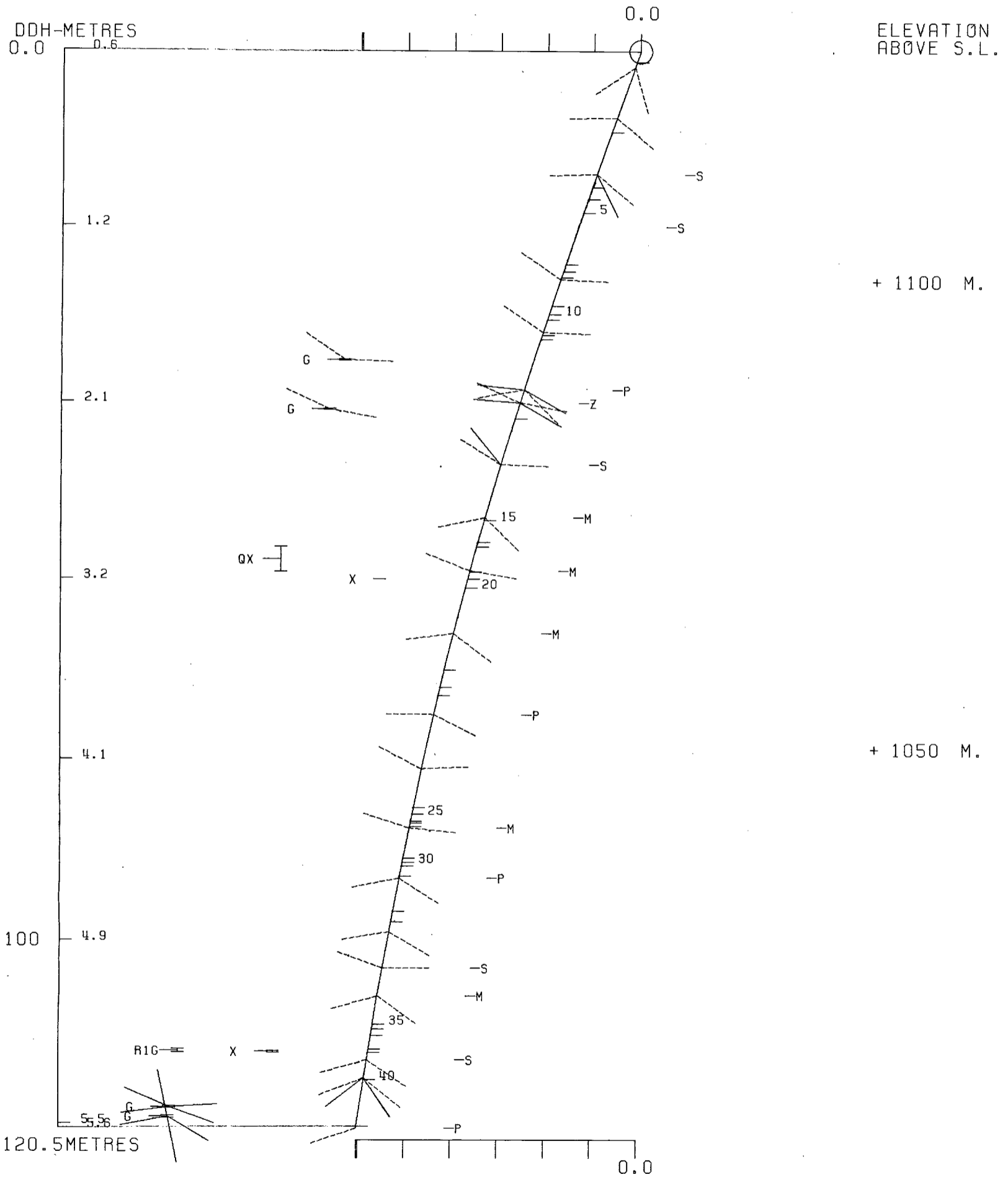
SECTION NAME: 76W



DDH: FAGU061 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1124 592229E ; 905004N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 456.3 Z = 1124.5
 SECTION NAME: 76W



FAGU062

DRILL HOLE : FAGU062
NORTHING : 905,002.6
EASTING : 592,227.8
ELEVATION : 1,125.0
TOTAL DEPTH : 109.7
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 13
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 18
NOS DOWN-H-STRUCTURE: 19
NOS DOWN-H-FAULTS: 10
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

DDH: FAGU062 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,125.0 TOTAL DEPTH: 109.7 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	-----ASSAYS-----										
FROM	TO										AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
.0	1.6	07219	1.6	1.5	4E4	4.13	.13	6.40	9.59	107.00		1.16	2	23	25						
1.6	3.2	07220	1.6	1.5	4E4	4.69	.17	4.59	4.59	78.00		1.16	1	36	38						
3.2	4.8	07221	1.6	1.6	4E4	4.70	.16	5.29	5.50	79.00		1.98	2	34	37						
4.8	6.0	07222	1.2	1.0	4L14	3.10	.02	1.15	1.91	23.00		3.76	1	10	11						
6.0	8.0	07223	2.0	1.9	4E4	4.71	.23	6.70	9.30	135.00		2.06	1	20	21						
8.0	9.8	07224	1.8	1.6	4G4	4.66	.23	5.20	9.19	121.99		1.98		20	21						
9.8	10.5	07225	.7	.7	4G4	4.73	.17	3.70	6.70	89.00		3.02	1	24	26						
10.5	12.0	07226	1.5	1.5	4E64	4.71	.23	6.20	12.09	110.99		1.64		20	21						
12.0	13.6	07227	1.6	1.5	4E4	4.69	.05	5.90	11.50	84.00	83.00	1.03	1	30	31						
90.4	92.3	07228	1.9	1.9	4E4	4.42	.20	5.00	8.19	110.99		1.30	1	25	27						
92.3	94.1	07229	1.8	1.4	4E4	4.69	.19	7.40	10.59	120.99		1.51		19	20						
94.1	95.5	07230	1.4	1.4	4E4	4.66	.22	4.40	7.70	107.00		1.64	1	29	30						
95.5	96.9	07231	1.4	1.4	4E4	4.61	.23	5.09	8.80	113.99		1.23	1	26	28						

WEIGHTED AVERAGE

.0	13.6		13.6	12.8		4.48	.16	5.26	8.10	95.79	9.76	1.86	1	24	26						
90.4	96.9		6.5	6.1		4.58	.21	5.55	8.88	113.55		1.41	1	25	26						

DDH: FAGU062 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,125.0 TOTAL DEPTH: 109.7 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	111.000	222.300
30.500	114.200	224.000
61.000	121.000	232.000
100.600	125.000	224.000

21NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

DDH: FAGU062 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,125.0 TOTAL DEPTH: 109.7 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
4.8	0001	4E4	& POROUS - MINOR (4E0)	0.5-	1
6.0	0002	4L14	RUBBLE	0.5-	1
8.0	0003	4E4		0.5-	1
10.5	0004	4G4	(4E0 84) 80:20	0.5-	1
12.0	0005	4E64	(4G4) 50:50	0.5-	1
13.6	0006	4E4	86	0.5-	1
14.1	0007	5C2	(5C43\$)	0.5-	1
18.4	0008	5B12	6 & 9 SPHAL (5A16 89)	0.5-	1
37.6	0009	4A1	(5A16 89)	0.5-	1
55.1	0010	5A6	(5B26) (5B6)	0.5-	1
87.8	0011	5B6	(5A6)	0.5-	1
90.4	0012	5A6	(1000)	0.5-	1
94.1	0013	4E4	86 (4G4)	0.5-	1
96.9	0014	4E4	86 (4E0 86)	0.5-	1
103.7	0015	3G0		0.5-	1
104.5	0016	5A26	80	0.5-	1
105.9	0017	5D0	(5E0)	0.5-	1
109.7	0018	5D0	(5B86)	0.5-	1

DDH: FAGU062 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,125.0 TOTAL DEPTH: 109.7 SECTION: W 76
 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
FAGU062	0.0	0.3		0	0	7	230	0	1	1
FAGU062	0.0	6.4		0	0	29	230	C	1	1
FAGU062	0.0	12.0		0	0	16	230	0	1	1
FAGU062	0.0	18.4		0	0	1	230	C	1	1
FAGU062	0.0	24.5		0	0	17	230	C	1	1
FAGU062	0.0	30.1		0	0	12	230	C	1	1
FAGU062	0.0	36.9		0	0	40	230	C	1	1
FAGU062	0.0	42.5		0	0	34	230	C	1	1
FAGU062	0.0	48.2		0	0	42	230	0	1	1
FAGU062	0.0	54.3		0	0	44	230	C	1	1
FAGU062	0.0	60.5		0	0	38	230	0	1	1
FAGU062	0.0	66.5		0	0	47	230	0	1	1
FAGU062	0.0	72.2		0	0	32	230	0	1	1
FAGU062	0.0	78.5		0	0	47	230	C	1	1
FAGU062	0.0	84.5		0	0	16	230	C	1	1
FAGU062	0.0	90.5		0	0	44	230	0	1	1
FAGU062	0.0	96.5		0	0	60	230	0	1	1
FAGU062	0.0	102.0		0	0	46	230	0	1	1
FAGU062	0.0	109.7		0	0	11	230	0	1	1

DDH: FAGU062 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,125.0 TOTAL DEPTH: 109.7 SECTION: W 76
 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
FAGU062	4.8	6.0	R		0	0	0	1
FAGU062	12.0	13.6	R		0	0	0	1
FAGU062	17.1	17.6	XQ		0	0	0	1
FAGU062	0.0	52.0	G		23	0	0	1
FAGU062	53.7	54.0	G		0	0	0	1
FAGU062	55.2	55.4	GQ		0	0	0	1
FAGU062	87.8	90.4	QG		0	0	0	1
FAGU062	97.4	97.5	R		0	0	0	1
FAGU062	103.2	103.3	GQ		0	0	0	1
FAGU062	103.7	104.5	QX		0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 28

DDH: FAGU062 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,125.0 TOTAL DEPTH: 109.7 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGU062	1	2
FAGU062	2	2
FAGU062	3	2
FAGU062	4	1

CYPRUS ANVIL MINING CORPORATION

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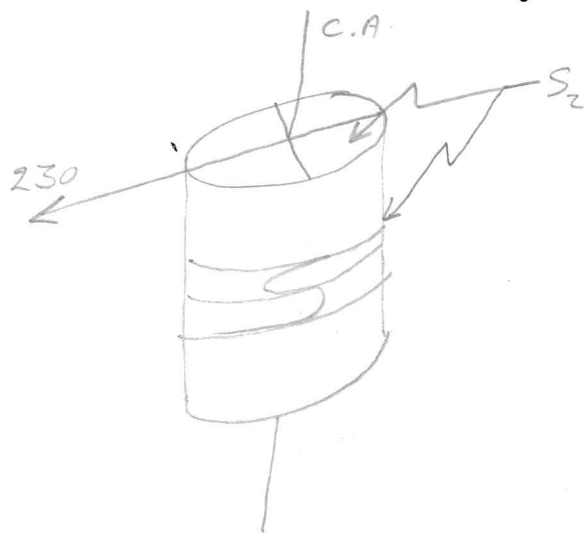
DIAMOND DRILL CORE LOG

Date: 3 July/81

Hole Number: FAGU-062 (76-U-62)

Reference Fabric Orientation Diagram:

Project: GRUM



Location: SECTION 76 W.

Claim: _____

UTM
Terr. Plane
Co-ords.:
Conversion of
KA surveyed
grid

6 905 002.6m N

592 227.8m E

Grid
Co-ords: 2 + 19.5m N

7534.797 m E

All symmetry determinations looking

Elevation: 1124.9m 1125.0

NW with S₂ dipping

Total Depth: 109.7m

SW with dip azimuth 230°.

Purpose: RE-LOG GRUM

Reason hole Terminated: _____

Logged by: GG

Date(s) Logged: 1-3 July/81

Drilling Contractor: CAMERON McCUTCHEEN

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0.0</u>	<u>1124.9</u>	
_____	_____	_____	
_____	_____	_____	

Hole Cemented: _____

Steel down pipe: _____

Started: 14 APRIL/76 Completed: 15 APRIL/76

DDH FAGU.06.2*

Cyprus Anvil Mining Corp.

Page 3 of 8

UNITS = METRES

Lithologic Log

Date: 2 July/81 Logged By: GG

Code	From	To	Recov.	No.	Unit	Description	F/W CNT
	10 14 16 20 22 24 26 28 30 34 35						TYPE 4
						* PROBLEM WITH NUMBERING OF THIS DDH → THE DRILLERS MARKED THE BOXES U-61; THE Dymo-TAPE LABELS IT AS U-62 & IT WAS LOGGED BY K.A. AS U-62;	
L	00	48		0101	4E4	+(4E0) + (minor 4A3 @ H/W) + (minor 4E4 POROUS LAMS)	10cm QZ VN BRECCIA
L	48	60		12	4L114	VERY SILICEOUS; RUBBLY	RUBBLE
L	60	80		13	4E4	V. HIGH GRADE @ 0.5m H/W;	S ₂
L	80	105		14	4G4	+(4E0+4E4 @ 9.8-10.3m)	S ₂
						20-40% BARITE; ±6 @ F/W	
L	105	120		15	4E6A	+(4G4) ~ 50% OF UNIT.	RUBBLE
L	120	136		16	4E4	±6; 50% OF UNIT =	PROB S ₂
						COARSE RUBBLE; ORANGE SPHAL @ H/W	
L	136	141		17	5C*	-ANK + 3% FUCHSITE	S ₂
						+(5C43* - 5% CHLORITE-PY STREAKS - DOLO @ 13.7-14.1	
L	141	184		18	5B12	16/±9-SPHAL/ + (5A16±9)	GRADES OVER 40cm S ₂
						+(4A1 - LOW ^{NO} SULPHIDES)	
L	184	376		19	4A1	CRACKLE BRECCIA @ 17.1-17.6m	S ₂
						+(3G12 - FINELY INTERBANDDED)	
						- LOW SULPHIDES ± SPHAL	
						+(5A16±9) + (minor 9A4)	
						THIS WHOLE UNIT IS	
						TRANSITIONAL 4A-5A;	
L	376	551		110	5A6	+(5B26) + (5B6);	S ₂
						2% QZ VNS S ₂ THROUGH	
						UNIT; TRACE SULPHIDE	
						= PO + PY;	
						GOUGE @ 53.7-54.0m;	
L	551	878		111	5B6	± FINE GRAINED + (5A6)	GOUGE
						GOUGE + H/W QZ VN @	
						55.2-55.4m;	
						2% QZ VNS S ₂ THROUGH UNIT.	

DDH F.A.G.U.O.G.2*
2 8
 UNITS = METERS

Cyprus Anvil Mining Corp.

Lithologic Log

Date: 2 July/81 Logged By: GG

Code	From				To				Recov.	No.	Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28					30	34
L	1878		1904						112	5A16	UNIT = 70% QZ VNS + 10% <u>GOUGE</u> ;	QZ VN		
L	1904		1941						113	4E4	1/16 + (4G4) + (4A4 + (3G12) @ 20 cm H/w)			11S ₂
L	1941		1969						114	4E4	1/16 + (4E0) -16 @ F/w;			PROFS 11S ₂
L	1969		11037						115	3G12	-F.G; ^{FINE} RUBBLE @ 97.4-97.5m; TRACE SULPHIDE = PY; ^{103.2-103.3*} GOUGE + F/W QZ VN.			11S ₂
L	11037		11045						116	5A86	1/3 - CHLORITIC LAMS; 50% OF UNIT = QZ VN BROCCIA;	7cm QZ VN		
L	11045		11059						117	5D3	CALCITE LAMS + VEINLETS; +(5E0 - 100% ^{F.G.} CALCITE @ 105.6-105.9m)			11S ₂
L	11059		11097						118	5D3	+(5B86) -GRADATIONAL SECTIONS; END OF HOLE @ 109.7m.			

DDH FAG0062

Cyprus Anvil Mining Corp.

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UNITS = METERS

Structural Log

Date: 2 July 81 Logged By: GG

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				02								07	2310			C-S TRENDS + S-BANDS	
S				64								29				S-BANDS	
S				120								16					
S				184								010					
S				245								117					
S				301								112					
S				365								410					
S				425								34					
S				482								42					
S				543								44				Gauge @ 52.0 - H/W CNT @ 23/00	
S				605								38				Gauge @ 55.0 - CNTS?	
S				665								47					
S				722								32					
S				785								47				- M - REGION	
S				845								16					
S				88												Gauge CNTS - STOP?	
S				905								44				S-BANDS	
S				965								60				"	
S				1020								46				F4 @ 23/180	
S				1097								11					
																END OF HOLE @ 109.7m.	

Meters

FAULT

DDH FAG.U.O.6.2
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: 28 Oct/83 Logged By: _____

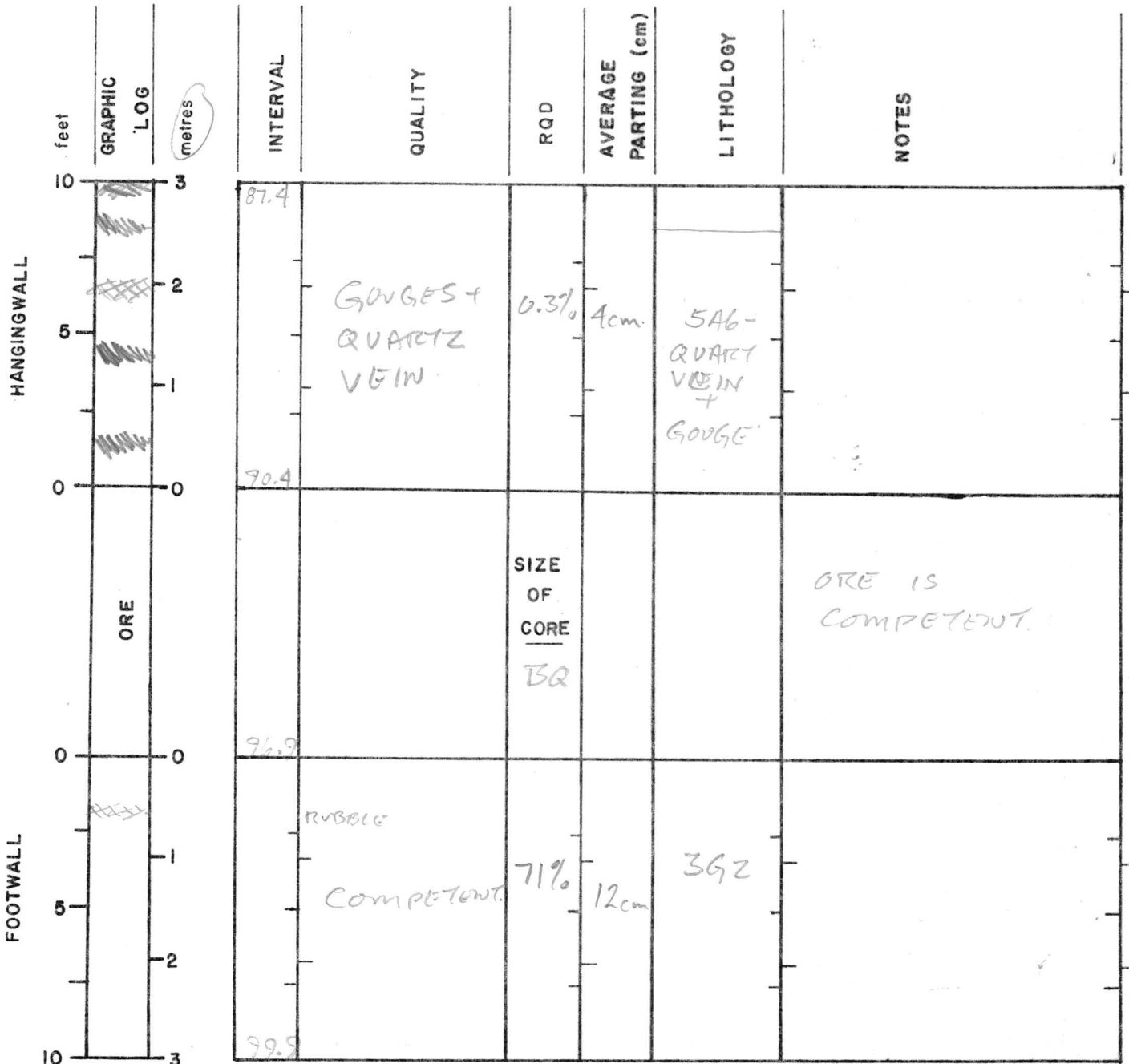
Code	From		To		Feature	S ₀	S ₁		S ₂		Description
	10	14 16	20 22	24 26 28			Dip	Direct.	Dip	Direct.	
F		14 8	16 0	R							rubbly
F	1/	12 0	1/13 6	R							50% of unit coarse rubble
F	1/	17 1	1/17 6	XI	R						crackle bxa
F	1/	15 3 7	1/15 4 0	G							gauge
F	1/	15 5 2	1/15 5 4	G	Q						gauge + gte vein
F	1/	18 7 8	1/19 0 4	Q	G						70% gte veins & 10% gauge
F	1/	19 7 4	1/19 7 5	R							rubble
F	1/	10 3 2	1/10 3 3	G	R						gauge & gte vein
F	1/	10 13 7	1/10 14 5	A	X						50% of unit gte vein bxa
F			1/15 2 0	G		2	13	0	10	0	

GEOTECHNICAL LOG

HANGINGWALL		feet	GRAPHIC LOG	metres	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
		10		3	0.0					DDH COLLARED IN ORE.
		5		2						
		0		0						
			ORE				SIZE OF CORE BQ			ORE IS COMPETENT.
		0		0	13.6					
		5		1		COMPETENT.	44% 8cm.		5C*	
		5		2				5B126		
		10		3	16.6					

FOOTWALL

GEO TECHNICAL LOG



DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

D.D.H. No 76-U-62 PAGE 1

PROPERTY GRUM JOINT VENTURE

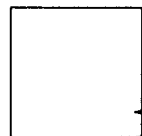
LATITUDE 10798.093 N 2^N+19.5^{mn} STARTED APRIL 14, 1976

DEPARTURE 7534.797 E COMPLETED APRIL 15, 1976

ELEVATION 1135.596 M PROPOSED DEPTH _____

ULTIMATE DEPTH 109.7

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	222°17'48"	-21°
100' (30.48)	223°	-24°
200' (60.96)	233°	-31°
330' (100)	58222°	-35°



CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 92.8%

Interval From To	DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay				Assay x					
				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	13.6	MASSIVE SULFIDE ZONE. Competent. Compositional band of sph rich laminae-40°. Intervening broken ground composed of bleached sericite-quartz pebbles. Crypto-x'lline quartz as amygdaloidal fills prominent. Small fractures-20-30°. 4.5-6: Broken ground. Could be a FAULT. Sub-rounded quartz pebble mixed with bleached sericite flakes (greenish white colour) and sometime cemented by white clay (kaolinite?). No definitive thick gouge association. Py Zn 75 10	0.7/1.5	2313	0	1.5	1.5	7.27	9.25	106.97				10.905	13.875	160.455
		13.6: Sharp contact with bleached phyllite-20°. 75 8	0.8/1.5	2314	1.5	3.0	1.5	6.40	5.60	96.69				9.60	8.40	145.035
13.6	14.0	BLEACHED PHYLLITE. Grayish white with greenish spots due to Fuchsite. Foliation-10°. Groundmass slightly calcitic-chloritic. 80 10	1.0/1.5	2315	3.0	4.5	1.5	4.50	4.35	65.49				6.75	6.525	98.235
		14.0: Gradual transition to graphitic phyllite. Transition zone has no marked change in foliation trend although sulfides in clots and discontinuous train is notably visible cutting across the said foliation. 30 6	0.6/1.6	2316	4.5	6.0	1.5	3.70	4.00	63.43				5.55	6.00	95.145
		slightly calcitic-chloritic. 80 6	0.9/1.1	2317	6.0	7.1	1.1	6.72	9.23	130.97				7.392	10.153	144.067
		14.0: Gradual transition to graphitic phyllite. Transition zone has no marked change in foliation trend although sulfides in clots and discontinuous train is notably visible cutting across the said foliation. 85 10	1.5/2.0	2318	7.1	9.1	2.0	6.00	8.90	137.14				12.00	17.8	274.28
		Transition zone has no marked change in foliation trend although sulfides in clots and discontinuous train is notably visible cutting across the said foliation. 85 15	1.2/1.5	2319	9.1	10.6	1.5	4.63	7.26	101.83				6.945	10.89	152.745
		trend although sulfides in clots and discontinuous train is notably visible cutting across the said foliation. 85 15	1.4/1.5	2320	10.6	12.1	1.5	6.90	12.57	116.92				10.35	18.855	175.38
		train is notably visible cutting across the said foliation. 65 8	1.1/1.6	2321	12.1	13.7	1.6	5.25	9.58	76.80				8.40	15.328	122.88
		0.4/0.4		W.Av. 0	13.7	13.7	5.69	7.87	93.30					77.892	107.824	1278.24
				W.Av. 3.0	6.0	4.10	4.10	4.18	64.46					12.30	12.525	193.380

DDH: FAGU062 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

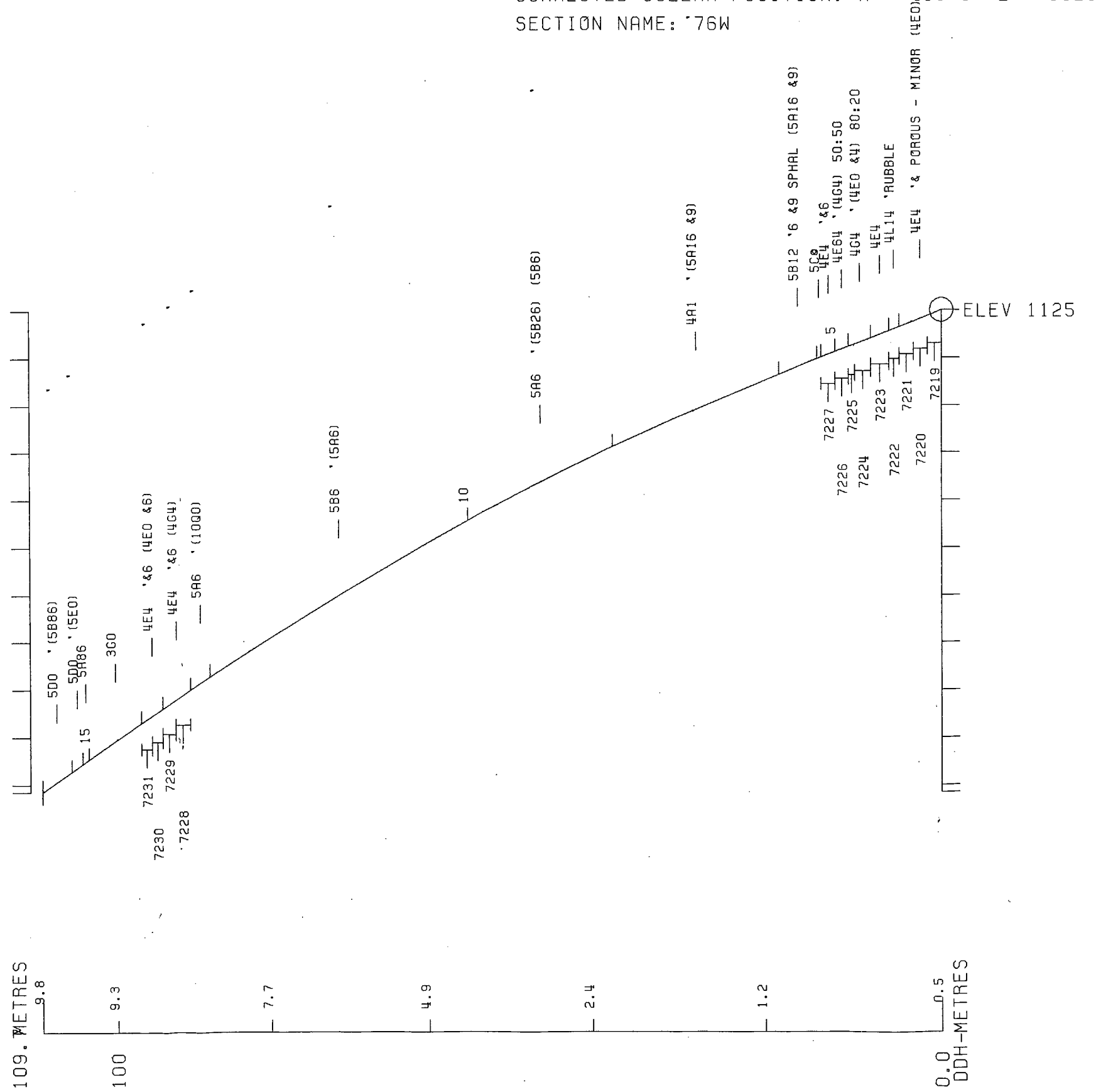
ELEV: 1125 592228E ; 905003N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 455.0 Z = 1125.1

SECTION NAME: 76W

CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 6 NOV 1984 9:50 AM



DDH: FAGU062 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

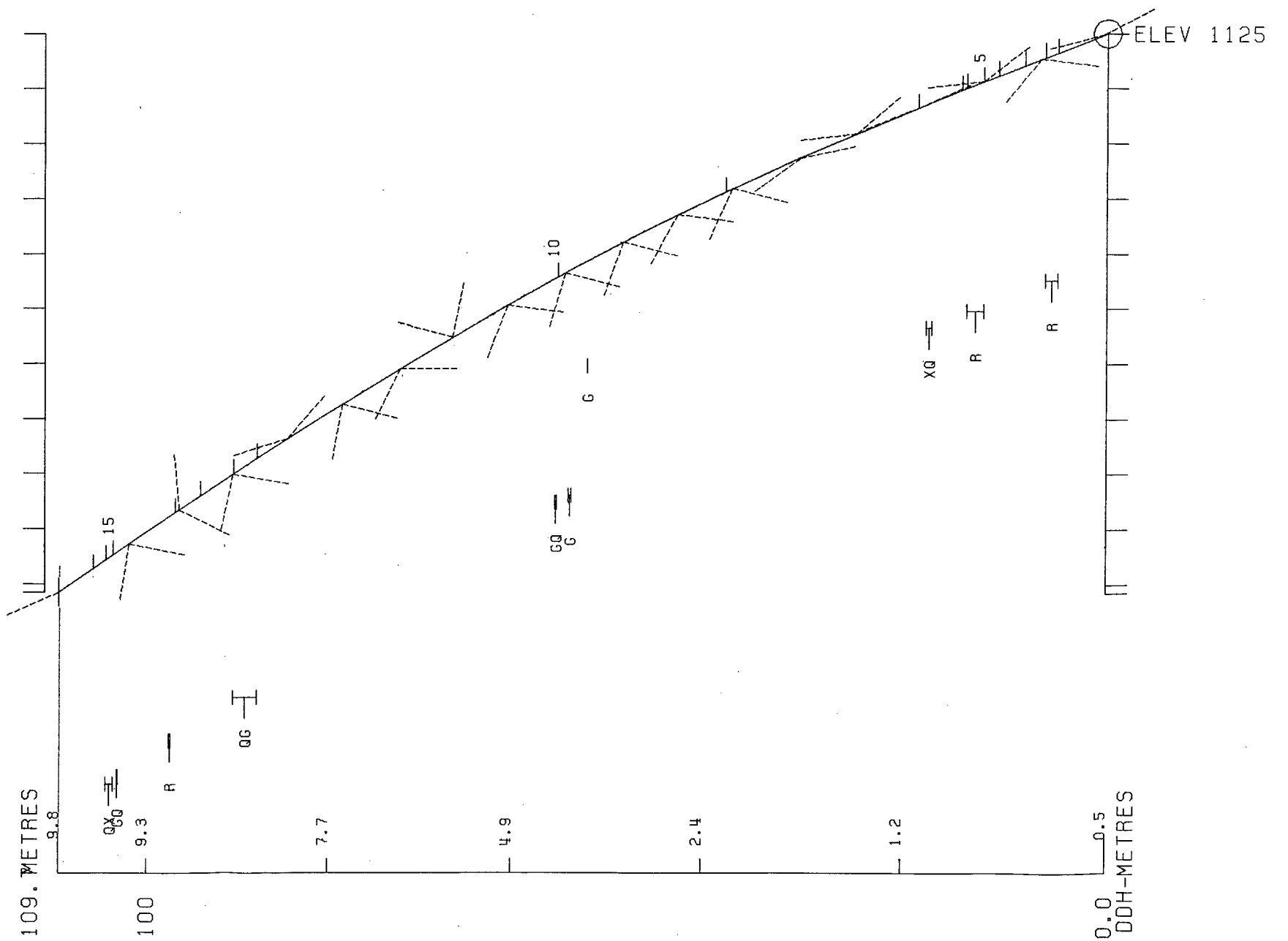
ELEV: 1125 592228E ; 905003N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 455.0 Z = 1125.1

SECTION NAME: 76W

* CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 6 NOV 1984 9:49 AM



FAGU063

DRILL HOLE : FAGU063
NORTHING : 905,002.6
EASTING : 592,227.8
ELEVATION : 1,126.8
TOTAL DEPTH : 106.6
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 17
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 36
NOS DOWN-H-STRUCTURE: 19
NOS DOWN-H-FAULTS: 7
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU063 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,126.8 TOTAL DEPTH: 106.6 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----											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 %	BA %
.0	2.5	07693	2.5	2.5	4E4	4.79	.10	7.40	10.80	86.00		1.70	2	28	31						
2.5	4.5	07694	2.0	2.0	4G4	4.83	.23	5.90	8.69	135.00		2.74		25	25						
4.5	6.8	07695	2.3	1.5	4G4	4.78	.10	5.09	10.40	105.00		1.43		17	18						
6.8	9.1	07696	2.3	2.3	4E4	4.86	.13	7.40	11.59	101.00		1.98	1	27	29						
9.1	9.6	07697	.5	.5	4D45	3.87	.01	10.00	4.90	139.00		1.30	1	13	14						
9.6	11.2	07698	1.6	1.6	4E4	4.38	.08	4.40	20.19	67.00	68.00	1.16	1	26	28						
11.2	11.9	07699	.7	.4	5C3\$	3.27	.10	1.14	3.49	28.99		.95	2	9	12						
11.9	13.3	07700	1.4	1.4	5A9	2.98	.02	1.19	1.94	3.99		.68	2	3	5						
13.3	14.7	07801	1.4	1.4	5A9		.01	.08	.78	.99											
39.6	41.1	07802	1.5	1.3	4E47	4.40	.27	6.00	4.20	57.99		.14	16	20	37						
41.1	42.6	07803	1.5	1.5	4E47	4.29	.33	5.90	3.89	59.99		.14	14	21	36						
56.7	58.0	07804	1.3	1.3	4G4#	4.38	.08	5.29	5.79	83.00		.55	3	13	16						
58.0	59.4	07805	1.4	1.4	4G0#	4.00	.24	2.70	2.79	41.00		.89	7	22	29						
59.4	59.8	07806	.4	.4	4L0	3.20	.08	.68	1.16	13.99		.34	3	8	11						
59.8	60.9	07807	1.1	1.1	4G48	4.42	.16	5.50	8.40	95.00		.47	3	10	13						
60.9	62.7	07808	1.8	1.7	4G48	4.57	.05	6.99	8.40	116.99		.34	1	6	7						
62.7	64.4	07809	1.7	1.5	4KEG	3.95	.02	12.90	12.09	211.00	203.00	.34	4	10	15						

WEIGHTED AVERAGE

.0	14.7		14.7	13.6		4.03	.10	4.91	9.25	79.10	7.40	1.48	1	19	20						
39.6	42.6		3.0	2.8		4.34	.30	5.95	4.04	58.99		.14	15	21	36						
56.7	64.4		7.7	7.4		4.20	.10	6.69	7.38	109.70	44.81	.49	3	12	15						

21NOV83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 17

DDH: FAGU063 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,126.8 TOTAL DEPTH: 106.6 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	57.500	222.200

DDH: FAGU063 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,126.8 TOTAL DEPTH: 106.6 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
2.5	0001	4E4	&8 &6	0.5-	1
6.8	0002	4G4	(4E4 &6)	0.5-	1
9.1	0003	4E4	&6	0.5-	1
9.6	0004	4D45		0.5-	1
11.2	0005	4E4	&*	0.5-	1
11.9	0006	5C3\$		0.5-	1
14.7	0007	5A9	(4A0)	0.5-	1
18.5	0008	5B26	&1 &\$	0.5-	1
19.1	0009	5D\$	-> 5D4&3	0.5-	1
23.3	0010	5B26	&1 &\$ (5D4*) MINOR	0.5-	1
26.7	0011	5B6	&1 &2 (4L17) MINOR	0.5-	1
28.3	0012	5B38		0.5-	1
34.0	0013	5B0	(10Q0) 70:30	0.5-	1
35.5	0014	5B3\$		0.5-	1
36.5	0015	5E4	[5B3\$4] (5D4)	0.5-	1
39.2	0016	5EC	[5B3\$]	0.5-	1
39.6	0017	10Q0		0.5-	1
42.6	0018	4E47		0.5-	1
45.7	0019	4LC		0.5-	1
51.8	0020	5B6	&\$ VERY MINOR	0.5-	1
56.7	0021	4LC	(4L2 &7) (5D4* -> 4L*) MINOR	0.5-	1
59.4	0022	4G4#	&0 (4E8) 80:20	0.5-	1
59.8	0023	4L0		0.5-	1
62.7	0024	4G48	&\$	0.5-	1
64.4	0025	4KC	(4E47) (4G4) 40:44:16	0.5-	1
65.2	0026	10Q0		0.5-	1
72.2	0027	4L#	BIO (4L27)	0.5-	1
72.8	0028	5D3	BIO	0.5-	1
74.6	0029	10Q0		0.5-	1
77.8	0030	5D0	BIO - MINOR	0.5-	1
80.0	0031	4LC	BIO - MINOR	0.5-	1
92.4	0032	5B0		0.5-	1
96.2	0033	5A3		0.5-	1
103.9	0034	5B0		0.5-	1
105.9	0035	5B80		0.5-	1
106.6	0036	5C\$3	4	0.5-	1

DDH: FAGU063 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,126.8 TOTAL DEPTH: 106.6 SECTION: W 76
 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
FAGU063	0.0	2.6	PS2		0	0	55	230	C	1	1	1
FAGU063	0.0	14.8	PS2		0	0	70	230	0	1	1	1
FAGU063	0.0	20.4	PS2		0	0	60	230	0	1	1	1
FAGU063	0.0	25.4	PS2		0	0	55	230	C	1	1	1
FAGU063	0.0	31.5	PS2		0	0	40	230	0	1	1	1
FAGU063	0.0	37.0	PS2		0	0	45	230	0	1	1	1
FAGU063	0.0	42.9	PS2		0	0	54	230	0	1	1	1
FAGU063	0.0	48.7	PS2		0	0	57	230	C	1	1	1
FAGU063	0.0	53.0	PS2		0	0	50	230	0	1	1	1
FAGU063	0.0	61.5	PS2		0	0	51	230	0	1	1	1
FAGU063	0.0	65.5	PS2		0	0	30	230	C	1	1	1
FAGU063	0.0	65.8	PS2		0	0	10	230	C	1	1	1
FAGU063	0.0	69.7	PS2		0	0	40	230	C	1	1	1
FAGU063	0.0	73.8	PS2		0	0	40	230	0	1	1	1
FAGU063	0.0	81.0	PS2		0	0	45	230	0	1	1	1
FAGU063	0.0	88.3	CS2		0	0	45	230	0	1	1	1
FAGU063	0.0	94.4	PS2		0	0	48	230	0	1	1	1
FAGU063	0.0	100.0	PS2		0	0	50	230	C	1	1	1
FAGU063	0.0	105.6	PS2		0	0	60	230	0	1	1	1

DDH: FAGU063 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,126.8 TOTAL DEPTH: 106.6 SECTION: W 76
 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
FAGU063	20.3	20.5	R		0	0	0	1
FAGU063	22.3	26.7	1QX		0	0	0	1
FAGU063	26.7	28.3	JQ		0	0	0	1
FAGU063	28.3	35.5	QX		0	99	999	1
FAGU063	39.2	39.6	Q		0	0	0	1
FAGU063	0.0	49.7	B		0	0	0	1
FAGU063	72.8	74.6	Q		0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 21

DDH: FAGU063 UTM-N: 905,002.6 UTM-E: 592,227.8 UTM-ELEV: 1,126.8 TOTAL DEPTH: 106.6 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU063 1 1

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAG11063

Reference Fabric Orientation Diagram:

Project: Grum Releg

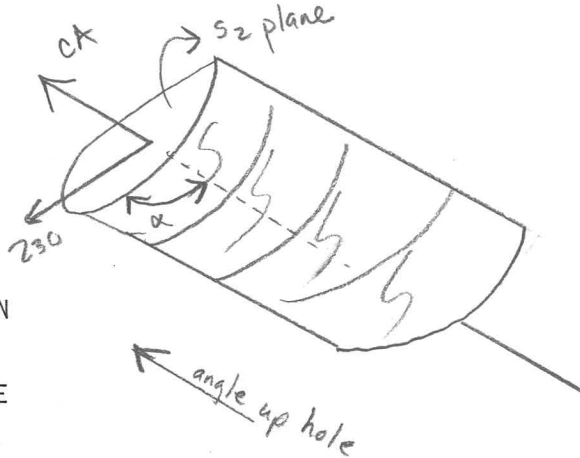
Location: Vangorda Plateau

Claim: _____

Terr. Plane Co-ords.: 6905002.6 N

592227.8 E

Grid Co-ords: 76W/2N



Elevation: 1126.8

NW with S₂ dipping

Total Depth: 106.6m

SW with dip azimuth 230°.

Purpose: _____

Reason hole Terminated: _____

Logged by: J. Modene

Date(s) Logged: July 14-15, 1981

Drilling Contractor: _____

Size	CORE From	To	Collar Cased and Capped:
<u>BQ</u>	<u>0</u>	<u>106.6</u>	_____

Hole Cemented: _____

Steel down hole: _____

Started: 4/15/76 Completed: 4/17/76

Conversion of UTM KA survey grid locations

angle uphole

Code	From	To	Recov.	No.	Unit	Description	
	10 14 16 20 22 24 26 28 30 34 35						
L	00	12.5		1	4E4	±8(±7?) ±6 red sphalerite + mgt. (± po?) @ 30cm FW; then orange sphalerite Bubble @ 0.1 and @ 1.5 end of run, drilling art.	H.W. etc
L	25	68	3.5	2	4G4	(4E4) (4E46). Minor porous laminae but no CO ₂ detected. Pale honey to honey sphalerite. Locally the barite content is low but extremely pale sphalerite is so abundant that the dry surface has the whitish look of 4G w/ abundant BaSO ₄ Occasional dark non magnetic lustrous xls. Tennantite?	broken
L	68	91		3	4E4	±6 Orange sphalerite minor coarse rubble, v. minor porous	broken
L	91	96		4	4D4	grading to 4A4 @ H.W. red sphalerite	broken
L	96	112		5	4E4	±* (buff, slow fize) Orange sphalerite Locally extremely sphalerite rich	rubbled
L	112	119	0.4	6	5C3	mariposite, dolo, cc.	broken
L	119	147		7	5A9	(4A0) minor pg + red sphalerite	gradat.
L	147	185		8	5B2	±1 ±* dolo borderline SB2 → 5A	broken
L	185	191		9	5D*	green dolomitic then buff orange ank + cc	1/5z
L	191	233		10	5B2	±1 ±* dolo as #8 SB2 → 5A minor sphalerite @ 19.4 5D4x intbd @ 20.1 Rubbled 20.3-20.5 10 Q0 near H.W.	1/5z
L	233	267		11	5B1	±1 ±2 20cm 4L17 intbd @ 25 some crackle-veining, CO ₂	1/5z
L	267	283		12	5B3	strongly calc, CO ₂ gashes, vuggy + fractured locally	1/5z
L	283	340		13	5B0	10 & 0 ≈ 30% 1/5z, crackle veining continues	1/5z
L	340	355		14	5B3*	very CO ₂ rich, largely dolomite	1/5z
L	355	365		15	5E4	(5B4 @ 20cm FW). [5B3*4 very calc] sericite cc, dolo	1/5z
L	365	392		16	5E0	[5B3* very calc] gradational loss of sericite minor CO ₂ tension gashes	broken
L	392	396		17	10Q0		broken

up hole

Code	From	To	Recov.	No.	Unit	Description	HWCTC
	10 14 16 20 22 24 26 28 30 34 35						
L	1396	1426		118	41E147	po as bands + irregular patches; any mgt? minor CO ₃ clots minor Qtz 4C7 @ 42.3	rubbed //s2
L	1426	1457		119	41L01	(422 near F.W, 411 near H.W)	
L	1457	1518		120	51B161	± * very very minor dolomitic CO ₃ detectable w/ powdering. monotonous grey phyllite, P52, broken @ 49.7 becoming gradually sericitized @ H.W.	broken //s2?
L	1518	1567		121	41L01	(422±7) (504* → 425 thin intbd @ 55.1)	
L	1567	1594		122	41G14*	cc, only locally calc so I think there is barite. Honey sphalerite (4E8) mgt more abundant 2 nd half of interval → ~ 20%	broken broken
L	1594	1598		123	41L01		
L	1598	1627		124	41G14*	± * Dolo. Minor dolomitic CO ₃ (4E) upto 40% BaSO ₄ + CO ₃ (ie gangue) mgt as specks + streaks	//completeness
L	1627	1644		125	41KEG	4K0 62.7-63.0 sfb poor, cc+dolo ± 1 4E47 63.0-63.25 4G4 63.25-63.5 4E47 63.5-64 as above 4K0 64-64.4 same as above	
L	1644	1652		126	10Q101	Is this a fold repeat? w/ some CO ₃ clots possibly //s2	broken broken
L	1652	1722		127	41L51	w/ biotite, minor py+po bands (4227) Strongly calc through most of the interval - unusual for this 4L minor 10Q0 near EOI	
L	1722	1728		128	5D3	biotite? This rock is 80% biotite, texture similar to 5D.	
L	1728	1746		129	10Q101	This unit is a 0.6m carbonated Qtz vein w/ sulfides (sp, gn, po) sweated out toward the edges and sericite peripheral to the sfd.	
L	1746	1778		130	51D01	calc green w/ cc bands, minor biotite	
L	1778	1800		131	41L01	minor biotite minor py	
L	1800	1924		132	51B01	calc, grey phyllite + chlorite 10Q0+5D4 near EOI	

DDH F.A.G.U.06.3
2 8

Cyprus Anvil Mining Corp.

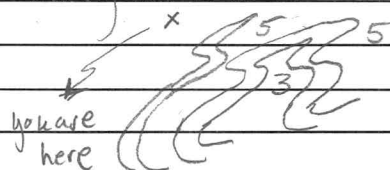
Page 5 of 10

Lithologic Log

Date: _____

Logged By: J. Modene

Code	From				To				Recov.				No.				Unit				Description				
	1	10	14	16	20	22	24	26	28	30	34	35	1	10	14	16	20	22	24	26		28	30	34	35
																									minor carbonaceous mat'l
																									minor pebbles
L		92	4		96	2							33				5A								
L		96	2		103	9							34				5B								
L		103	9		105	9							35				5B								or is this 5D-F ? calcareous, green
																									Looks phyllitic, some sericitization
L		105	9		106	6							36				5C								cc, dol, sericite, chlorite S ₂ + S ₁ defined by chlorite
																									EDH @ 106.6

Code	From				To				Feature	Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				26					P _S 12						55	230	comp bndg in 4G
S				148					P _S 12						70	230	
S				205					P _S 12						60	230	
S				259					P _S 12						55	230	
S				315					P _S 12						40	230	
S				370					P _S 12						45	230	
S				429					P _S 12						54	230	
S				487					P _S 12						57	230	
S				533					P _S 12						50	230	
S				615					P _S 12						51	230	comp bndg in 4G
S				655					P _S 12						30	230	
S				658					P _S 12						10	230	steepening
S				697					P _S 12						40	230	
S				738					P _S 12						40	230	
S				812					P _S 12						45	230	
																	85.0m-92.0m good crenulations Z sum consistently to 91.0 then S+Z (iem) However, when you hold the core in the orientation of the drill hole and choose the shallower S ₂ dip, the symmetry must be reversed. ∴ this is an "S" zone possibly coming into a fold nose
																	
S				883					P _S 12						45	230	
S				944					P _S 12						48	230	
S				1000					P _S 12						50	230	
S				1056					P _S 12						60	230	
																	EOH

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION
	10	14	16	20		22	26	28	30			
#1	P	100		125	76193			25	25	14E4	±8±6	#1
	P	125		145	76194			20	20	14G14	(4E4)(4E46)	#2
	P	145		168	76195			23	15	14G14	(4E4)(4E46)	#2
	P	168		191	76196			23	23	14E4	±6	#3
	P	191		196	76197			105	105	14D145		#4
	P	196		112	76198			16	16	14E4	±*	#5
	P	112		119	76199			107	104	15C13*		#6
	P	119		133	7700			14	14	15A91	(4A0)	#7
	P	133		147	7801			14	14	15A91	(4A0)	#7
#2	P	1396		1411	7802			15	13	14E147		#18
	P	1411		1426	7803			15	15	14E147		#18
#3	P	1567		1580	7804			13	13	14G14* CC	(4E8)	#22
	P	1580		1594	7805			14	14	14G14* CC	(4E8)	#22
	P	1594		1598	7806			104	104	14L01		#23
	P	1598		1609	7807			11	11	14G148	± dolo *	(4E) #24
	P	1609		1627	7808			18	17	14G148	± * dolo	#24
	P	1627		1644	7809			17	17	14K1EG		#25

GEOTECHNICAL LOG

angle uphole

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	0	metres	17.7	COMPETENT	1.7 / 10 17%	7cm	SB26 ±1 ±*dol6	
0	0	0	14.7		SIZE OF CORE BQ			Hole collared in ore
0	0	0	0					
FOOTWALL								
10	3							

1

ORE

FOOTWALL

feet

GRAPHIC LOG

metres

INTERVAL

QUALITY

RQD

AVERAGE PARTING (cm)

LITHOLOGY

NOTES

HANGINGWALL

0

0

10

0

2

1

0

0

1

2

3

17.7

14.7

0

COMPETENT

1.7 / 10
17%

7cm

SB26
±1
±*dol6

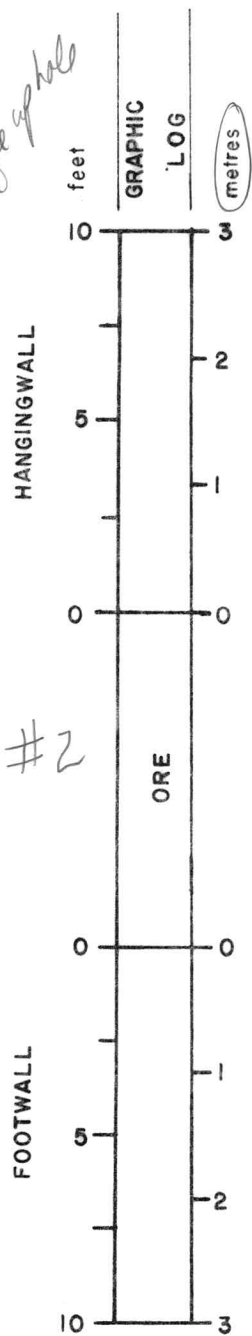
SIZE OF CORE

BQ

Hole collared in ore

GEOTECHNICAL LOG

angle of hole



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
45.6	COMPETENT	$\frac{1.5}{10}$ 15% 6cm	6cm	4L0 (4L2, 4L1)	
42.6		SIZE OF CORE BQ			
39.6	competent	$\frac{2.6}{10}$ 26%	7cm	5E0 10QU	
36.6					

GEOTECHNICAL LOG

angle uphole

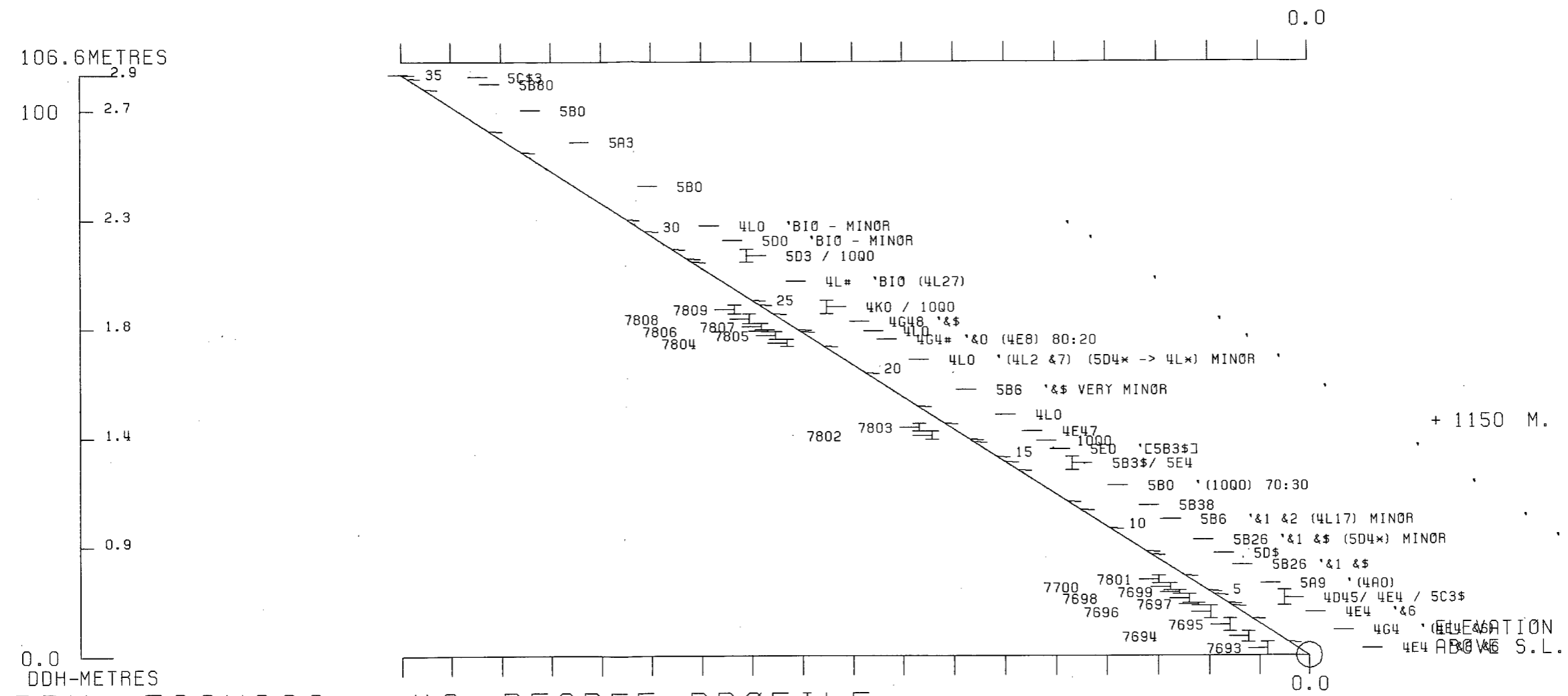
GRAPHIC LOG		INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
HANGINGWALL	feet	67.4	COMPETENT	$\frac{5.6}{10}$ 56%	120m	1000 425 (427)	
	metres	64.4					
		56.7					
FOOTWALL		56.7	COMPETENT	$\frac{0.7}{10}$ 7%	50m	420 (427)	
		53.7					

#3

ORE

SIZE OF CORE

BQ

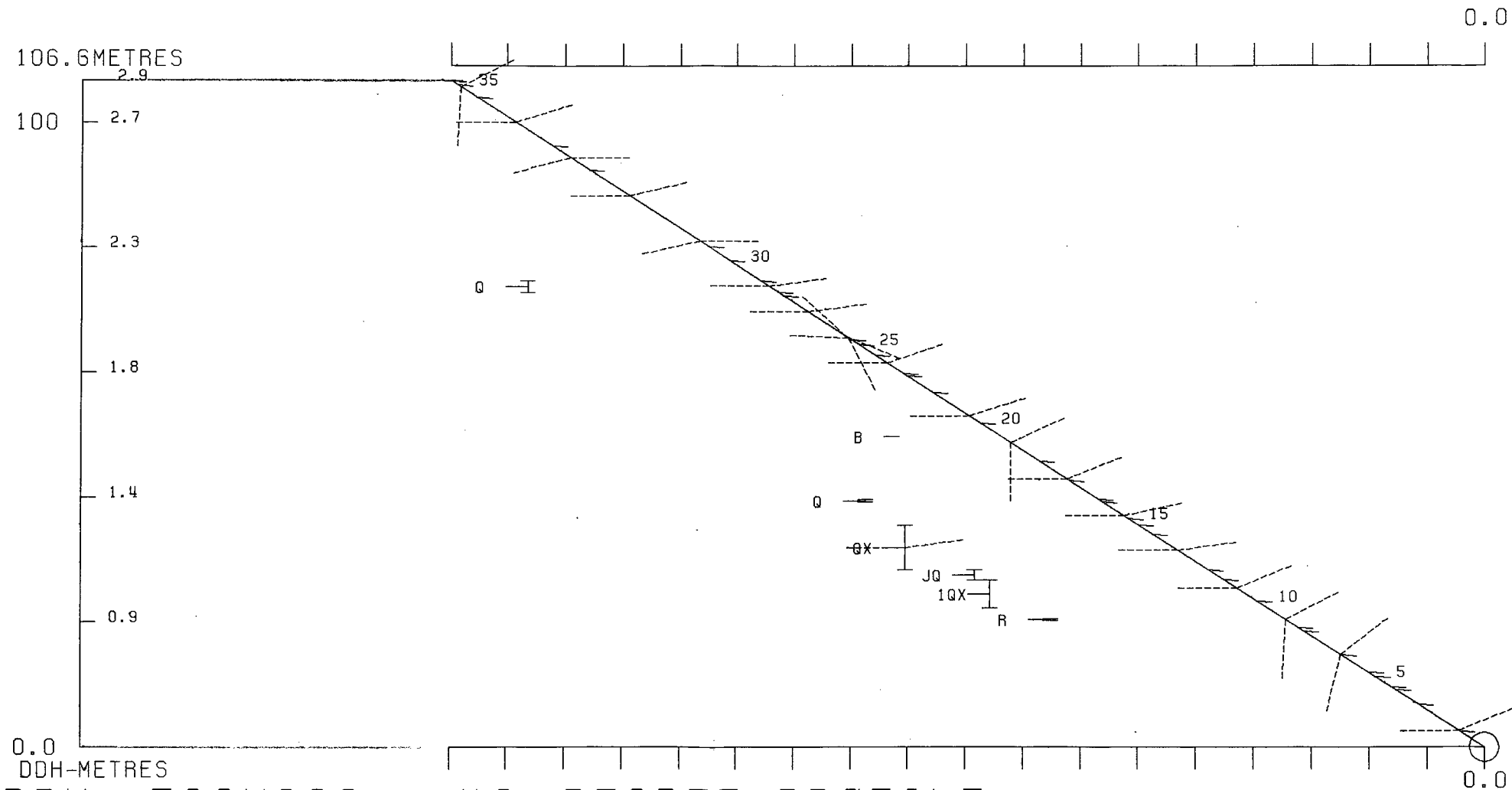


DDH: FAGU063 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1127 592228E ; 905003N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 455.0 Z = 1126.9
 SECTION NAME: 76W

+ 1150 M.

ELEVATION
 4E4 ABOVE S.L.



+ 1150 M.

ELEVATION
 ABOVE S.L.

DDH: FAGU063 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1127 592228E ; 905003N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 455.0 Z = 1126.9
 SECTION NAME: 76W

FAGU064

DRILL HOLE : FAGU064
NORTHING : 905,004.1
EASTING : 592,230.0
ELEVATION : 1,128.2
TOTAL DEPTH : 57.9
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 11
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 23
NOS DOWN-H-STRUCTURE: 11
NOS DOWN-H-FAULTS: 13
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU064 UTM-N: 905,004.1 UTM-E: 592,230.0 UTM-ELEV: 1,128.2 TOTAL DEPTH: 57.9 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	ASSAYS										
FROM	TO											AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
.0	1.5	07701	1.5	1.3	4E4	4.91	.14	4.79	9.30	73.00		2.66	2	31	34							
1.5	3.6	07702	2.1	1.4	4E4	4.91	.23	7.49	12.30	125.99		3.08	2	33	35							
3.6	5.6	07703	2.0	1.7	4E46	4.83	.17	5.70	9.19	139.00		1.85	1	20	21							
5.6	7.6	07704	2.0	1.3	4E4	4.78	.17	5.79	10.00	138.00		2.06	1	19	20							
7.6	9.3	07705	1.7	1.2	4E4	4.67	.13	7.79	13.40	162.00		1.91	2	16	18							
9.3	10.5	07706	1.2	.8	4E41	4.06	.02	10.09	17.60	182.00		1.43	2	14	16							
10.5	12.1	07707	1.6	1.2	4E41	4.25	.13	5.09	4.70	100.00		2.25	1	27	29							
12.1	13.3	07708	1.2	1.0	4E41	4.23	.14	4.20	4.09	66.00		2.25	1	26	27							
13.3	16.1	07709	2.8	1.4	4E4	4.50	.13	5.29	12.30	95.00		1.64	2	27	30							
16.1	17.1	07710	1.0	.6	5A9	3.08	.02	1.12	2.70	19.00	15.99	.20	2	7	10							
38.3	40.8	07711	2.5	1.8	4E4*	4.08	.13	2.89	6.09	99.00		.01	4	20	25							
WEIGHTED AVERAGE																						
.0	17.1		17.1	11.9		4.51	.14	5.87	10.03	113.80	.93	2.01	2	23	25							
38.3	40.8		2.5	1.8		4.08	.13	2.89	6.09	99.00		.01	4	20	25							

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

DDH: FAGU064 UTM-N: 905,004.1 UTM-E: 592,230.0 UTM-ELEV: 1,128.2 TOTAL DEPTH: 57.9 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	26.200	221.400

DDH: FAGU064 UTM-N: 905,004.1 UTM-E: 592,230.0 UTM-ELEV: 1,128.2 TOTAL DEPTH: 57.9 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.6	OC01	4E4	26 & POROUS	0.5-	1
5.6	0002	4E46	(4G4)	0.5-	1
9.3	0003	4E4	86	0.5-	1
10.5	0004	4E41		0.5-	1
13.3	0005	4E41	5	0.5-	1
16.1	0006	4E4		0.5-	1
17.1	0007	5A9	SPHAL, GA, PY	0.5-	1
21.6	0008	5A0	&1 &3 -> 5B20	0.5-	1
22.7	0009	5D0	(5D*)	0.5-	1
23.3	0010	5B3		0.5-	1
24.9	0011	5B0		0.5-	1
26.3	0012	5D0		0.5-	1
27.1	0013	5B0		0.5-	1
28.4	0014	5D0	(5B0) MINOR	0.5-	1
30.3	0015	5B0		0.5-	1
32.0	0016	5D0		0.5-	1
35.0	0017	5B3		0.5-	1
35.5	0018	5D0		0.5-	1
36.5	0019	5B3.	(5E0)	0.5-	1
38.3	0020	5D6	? & & [5D4*]	0.5-	1
40.8	0021	4E4*	(4H4) MINOR (4D4) MINOR	0.5-	1
44.9	0022	5B20		0.5-	1
57.9	0023	5B0		0.5-	1

DDH: FAGU064 UTM-N: 905,004.1 UTM-E: 592,230.0 UTM-ELEV: 1,128.2 TOTAL DEPTH: 57.9 SECTION: W 76
 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
FAGU064	0.0	4.4	PS2	0	0	50	230	0	1	1
FAGU064	0.0	17.3	PS2	0	0	50	230	0	1	1
FAGU064	0.0	21.6	PS2	0	0	55	230	0	1	1
FAGU064	0.0	22.7	PS2	0	0	40	230	0	1	1
FAGU064	0.0	27.6	PS2	0	0	50	230	0	1	1
FAGU064	0.0	33.1	PS2	0	0	55	230	0	1	1
FAGU064	0.0	38.1	PS2	0	0	60	230	0	1	1
FAGU064	0.0	43.3	CS2	0	0	65	230	0	1	1
FAGU064	0.0	48.6	CS2	0	0	70	230	0	1	1
FAGU064	0.0	53.5	CS2	0	0	65	230	0	1	1
FAGU064	0.0	57.8	CS2	0	0	68	230	0	1	1

DDH: FAGU064 UTM-N: 905,004.1 UTM-E: 592,230.0 UTM-ELEV: 1,128.2 TOTAL DEPTH: 57.9 SECTION: W 76
 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		
FAGU064	9.3	9.4	R				0	0	0	0	1	
FAGU064	9.8	10.0	R				0	0	0	0	1	
FAGU064	0.0	11.4	R				0	0	0	0	1	
FAGU064	0.0	11.8	R				0	0	0	0	1	
FAGU064	0.0	12.1	R				0	0	0	0	1	
FAGU064	13.7	15.2	P	1			0	0	0	0	1	
FAGU064	15.2	16.1	R				0	0	0	0	1	
FAGU064	22.8	23.0	G				0	0	0	0	1	
FAGU064	0.0	24.4	R				0	0	0	0	1	
FAGU064	0.0	24.7	R				0	0	0	0	1	
FAGU064	31.0	33.0	J				0	0	45	45	0	1
FAGU064	0.0	34.7	J				0	0	25	30	0	1
FAGU064	36.5	38.3	GXQ				0	0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 14

DDH: FAGU064 UTM-N: 905,004.1 UTM-E: 592,230.0 UTM-ELEV: 1,128.2 TOTAL DEPTH: 57.9 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU064 1 1

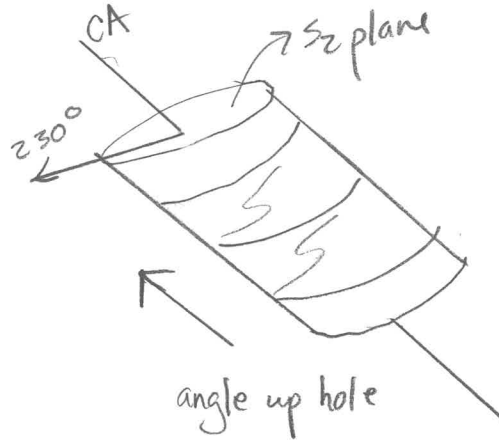
DIAMOND DRILL CORE LOG

Date: July 14, 1981

Hole Number: FAG 4064

Reference Fabric Orientation Diagram:

Project: Grum Releg



Location: Vangorda Plateau

Claim: _____

NTM
Terr. Plane
Co-ords.:

6905004.1 N

592230.0 E

Grid Co-ords: 76W/2N

All ~~symmetry~~ determinations looking

Elevation: 1128.2

NW with S2 dipping

Total Depth: 57.9m

SW with dip azimuth 230°.

Purpose: _____

Reason hole Terminated: _____

Re
Logged by: J. Madene

Date(s) Logged: July 14, 1981

Drilling Contractor: _____

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>57.9</u>	

Hole Cemented: _____

Steel down hole: _____

Started: 4/17/76 Completed: 4/18/76

Lithologic Log

Date: _____

Logged By: J. Modene

up hole

Code	From	To	Recov.	No.	Unit	Description	#, W etc
	10 14 16 20 22 24 26 28 30 34 35						
L	100	136		1	4E4	±6 high-grade, massive stfs, ~100% stf, very minimal barite observed locally. Honey-orange sphalerite. (red @ beginning of hole)	
L	136	156		2	4E4/6	(4G4). Same rock as #1 but barite usually visible in every piece of core. BaSO ₄ reaches ~10% (4G4) @ 4.2. Pale honey to honey-orange sphalerite, still high grade	Arbitrary
L	156	193		3	4E4	±6 As unit #1 w/ perhaps a tad more consistent BaSO ₄ content. Honey to honey-orange sp. Again minor porous laminae, minor rubble	Arbitrary
L	193	1105	108	4	4E4/1	High grade, red-orange sp; ~25% silica ie grading toward 4D4. Rubble 9.3-9.4, 9.8-10.0. Note pool loc	Rubbled
L	1105	1133		5	4E4/1	5 w/ irreg. patches + bands of qtz + graphite. Basemetals not readily visible except in qtz-graphite patches where sp is reddish. Assays report high grade.	Arbitrary
L	1133	1161	113	6	4E4	Rubble @ 11.4 + 11.8. Also rubble @ 12.1 but could be drilling artifact cuz that's the start of a run. Pool rec'ing especially 13.7-15.2: 0.2/1.5	Arbitrary
L	1161	1171		7	5A9	15.2-16.1 is largely coarse rubble [4A low stfs] Transitional	Rubbled
L	1171	216		8	5A10	±1 ±3, Gradational toward 5B2 because organic C content is not overwhelming. Minor pyrite locally	1/5z
L	216	227		9	5D0	green-laminated, strongly calc, Ankeritic 5D* @ 10cm FW w/ sharp etc.	1/5z
L	227	233		10	5B3	Grade 22.8-230 w/ some "masoposite-green" clay	
L	233	249		11	5B0	coarse rubble @ 24.4 Rubble + sand @ 24.7	
L	249	263		12	5D0	gradational FW etc, sharp #, w etc	
L	263	271		13	5B0		
L	271	284		14	5D0	green massive w/ cc; minor (5B0) → P52 grey	
L	284	303		15	5B0		
L	303	320		16	5D0	green massive w/ cc bands, 1/4cm thick cc tension	

Lithologic Log

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						gashes 45°/45°, Gashes continue thru #17+18 strongly calc see structure log
L	320	350		117	51B3	
L	350	355		118	51D1	green massive-laminated w/ cc.
L	355	365		119	51B3	(SEO @ 36)
L	365	383		120	51D1	?? Clay, +dolo tank and sericitic partings
						Becoming crackle breccia of graphite + sfds in white dolomitic matrix 37.8-38.3
						This rock locally looks similar to 5D4*
L	383	408	119	121	4E4X	buff $FeMgCO_3$ as abundant gangue @ TOI then as irregular bands + patches
						(4E4) intbd @ 38.2-38.3
						Minor porous laminae @ 38.7
						4D4 siliceous gangue @ 39.0
						Slightly poor recovery over this interval
L	408	449		122	51B2	Similar to unit #8 but slightly less graphite, more xylitic
						Calcareous Only very minor silica
L	449	579		123	51B1	visibly green + grey, calcareous
						Minor idcso, minor cc tension gashes
						EOH @ 57.9

1/5z
1/5z
1/5z

broken
4K4?

broken

Gradaford

DDH FAG.40.6.4
2 8

Cyprus Anvil Mining Corp.

Page 5 of 8

Structural Log

Date: _____ Logged By: J. Modene

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	32	34	
S				44	P _S 12						50	21310	comp banding in massive sds
													zones of rubble w/in massive sds have no good attitudes
S				47	3 P _S 12						50	21310	
S				47	6 P _S 12						55	21310	etc
S				47	7 P _S 12						40	21310	S ₂ becoming stp above gouge
S				47	6 P _S 12						50	21310	
													31-33m 45°/45° tension cracks
													34.7m 25°/30° " "
S				133	1 P _S 12						55	21310	
S				138	1 P _S 12						60	21310	
S				143	3 C _S 12						65	21310	
S				148	6 C _S 12						70	21310	
S				153	5 C _S 12						65	21310	"S" sym
S				157	8 C _S 12						68	21310	"S" sym

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

CODE	FROM		TO		SAMPLE	INTR.		REC (m)		UNIT	DESCRIPTION	
	10	14	16	20		22	26	28	30			32
#1	P	100		115	7701		15	13		4E4	±6	#1
	P	115		136	7702		21	14		4E4	±6	#1
	P	136		156	7703		28	17		4E4	16 (44)	#2
	P	156		176	7704		20	13		4E4	±6	#3
	P	176		193	7705		17	12		4E4	±6	#3
	P	193		1105	7706		12	108		4E4	11	#4
	P	1105		1121	7707		16	112		4E4	15	#5
	P	1121		1133	7708		12	110		4E4	15	#5
	P	1133		1161	7709		28	114		4E4		Poor Rec. #6
	P	1161		1171	7710		16	106		5A9		[4A0 lowstds] #7
#2	P	1383		1408	7711		25	18		4E4*	(44)(44)	#21

Meters

FAULT

DDH FAG 4.0.64
2 8

Cyprus Anvil Mining Corp.

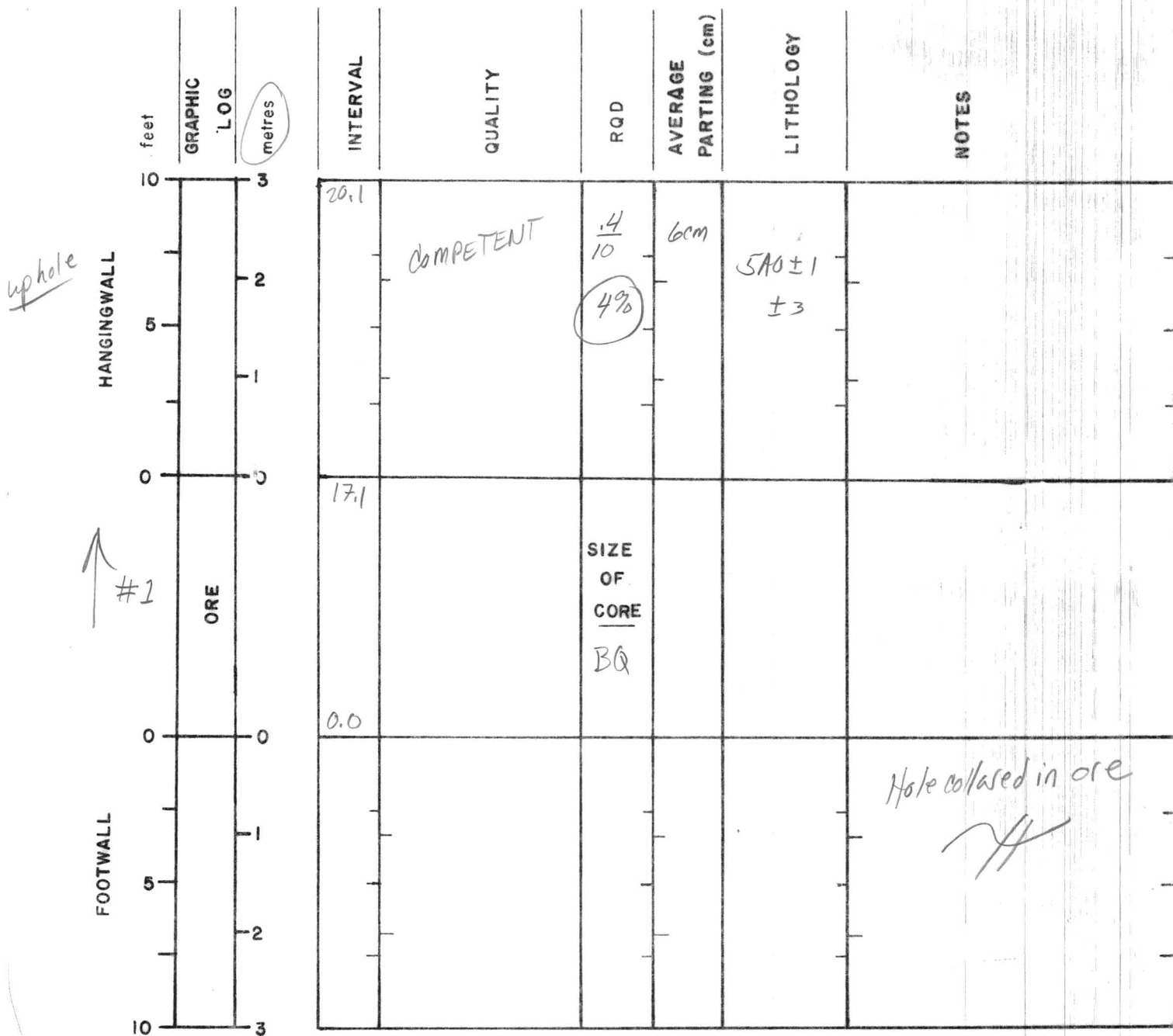
Page _____ of _____

Structural Log

Date: 28 Oct/83 Logged By: _____

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F		193		194	R												rubble
F		198		100	R												rubble
F				114	R												rubble
F				118	R												rubble
F				121	R												rubble
F		1137		152	P	1											13% recovery
F		1152		1161	R												coarse rubble
F		1228		1230	G												gauge
F				1244	R												coarse rubble
F				1247	R												rubble & sand
F		1365		1383	G X Q												Clay becoming crackles brwn of graphite & sulphides in white dol. matrix.
F		1310		1330	J					45	0145						tension gashes
F				1347	J					25	01310						tension gashes

GEOTECHNICAL LOG



GEOTECHNICAL LOG

uphole

GRAPHIC LOG		INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
HANGINGWALL	feet	43.8	COMPETENT	0% 0/10	5cm	SB2	
	metres	40.8					
FOOTWALL	feet	38.3	COMPETENT	30% 3/10	10cm	5D6? 5B3 5D0	
	metres	35.3					

↑ #2

ORE

SIZE OF CORE

DIAMOND DRILL RECORD

LOGGED BY _____

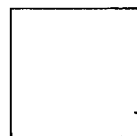
ALEXANDER Y. PO

 D. D. H. N^o 76-U-64

PAGE 1

PROPERTY GRUM JOINT VENTURE

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	221° 23'	+63° 50'


 CLAIM N^o _____

 DIRECTION AND DISTANCE
FROM N.E. CLAIM POST

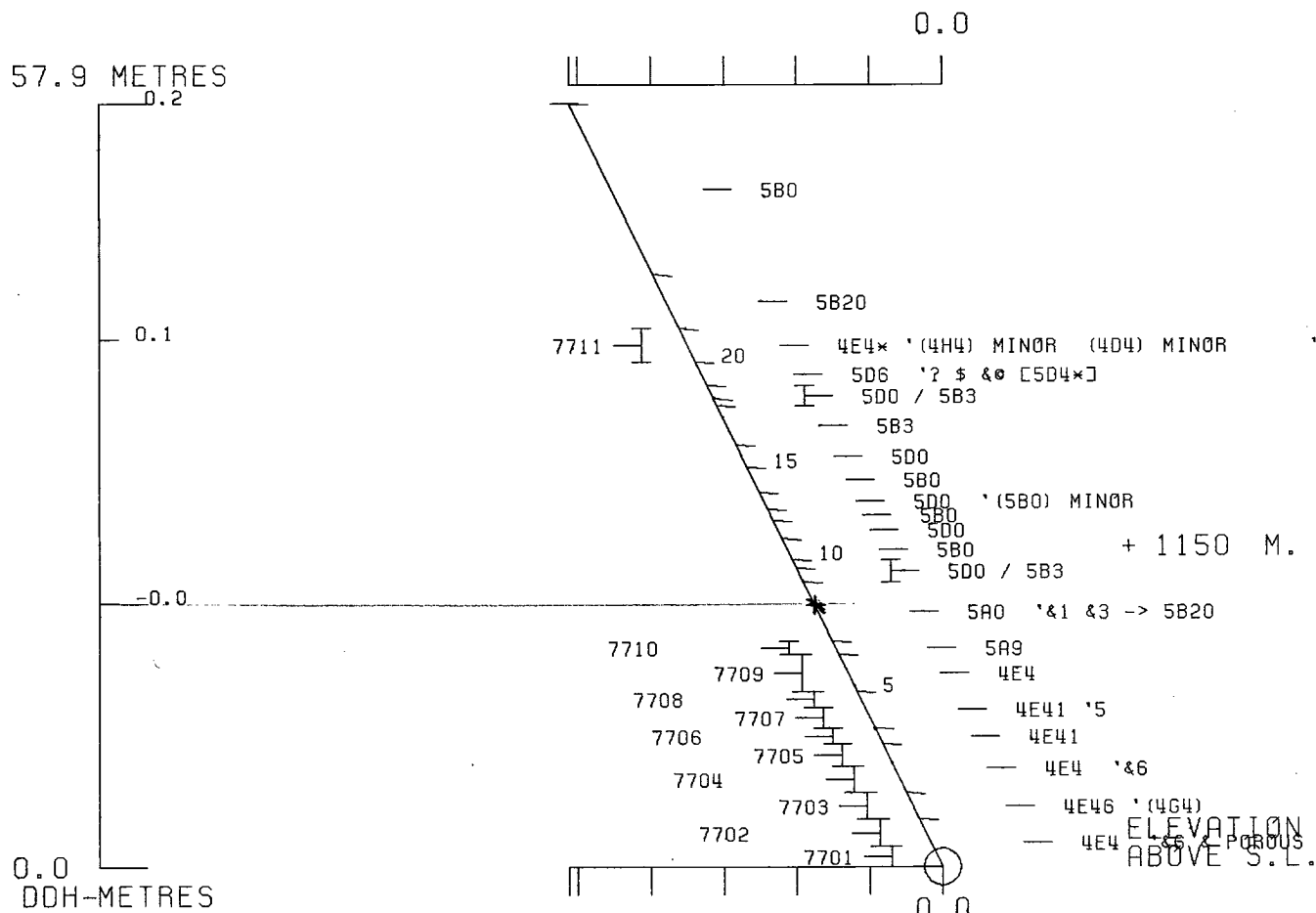
TOTAL CORE RECOVERY: 78.9%

LATITUDE 10799.507 N 2N+21.7mN STARTED APRIL 17, 1976

DEPARTURE 7537.073 E 76W COMPLETED APRIL 18, 1976

 ELEVATION 1138.802 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 57.9M

Interval		DESCRIPTION	Py	Zn	Recovery	Sample N ^o	Interval		Sample Length	Assay					Assay x		
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	16.7	MASSIVE SULFIDE ZONE. Broken ground. Porous in-	75	8	0.9/1.5	2342	0	1.5	1.5	4.23	8.23	54.51			6.345	12.345	81.765
		tervals. Compositional Sph rich band-50°. Cryto-	75	10	0.5/1.5	2343	1.5	3.0	1.5	9.00	13.85	109.03			13.50	20.775	163.545
		s'lline silica as amygdaloidal fill. No magnetic	75	10	0.6/1.5	2344	3.0	4.5	1.5	6.40	9.41	114.86			9.60	14.115	172.29
		minerals detected. Some run of extreme poor re-	75	15	1.0/1.5	2345	4.5	6.0	1.5	7.05	9.92	153.26			10.575	14.88	229.89
		covery (see recovery column) amounting only to peb-	75	10	0.4/1.6	2346	6.0	7.6	1.6	6.45	9.77	129.26			10.32	15.632	206.816
		ble size broken core but no clayey material.	80	15	0.8/1.5	2347	7.6	9.1	1.5	7.40	11.75	137.14			11.10	17.625	205.71
			80	+15	0.8/1.5	2348	9.1	10.6	1.5	9.56	15.49	147.09			14.34	23.235	220.635
		16.7: Contact with graphitic phyll. Broken grd.	80	+15	0.8/1.5	2349	10.6	12.1	1.5	5.30	4.60	86.74			7.95	6.90	130.11
16.7	21.3	GRAPHITIC PHYLLITE (G). Fissile. Foliation=55-	75	10	1.0/1.6	2350	12.1	13.7	1.6	6.07	8.33	90.86			9.712	13.328	145.328
		60°. Crenulated F (c to c plane-0°) very dis-	75	8	0.3/1.5	2351	13.7	15.2	1.5	2.68	5.40	41.49			4.02	8.10	52.235
		tinct. Minor and sporadic sulfide showing mostly	65	6	0.3/1.5	2352	15.2	16.7	1.5	5.65	10.10	118.97			8.475	15.15	178.455
		confined along 55-60° foliation.															
		21.3: Contact with bleached phyllite, broken ground.			4.0/4.6		16.7	21.3	4.6								
21.3	24.0	BLEACHED PHYLLITE (Sb). Light greenish gray colour. Folia-															
		tion-40°. Calcite as stringers cutting across foliation.			3.5/3.7		21.3	24.0	3.7								
		Spots of Fuchsite.															
		22.8-23: FAULT. Greenish, thick sticky gouge.				W.Av.	0	16.7	16.7	6.34	9.71	107.59			105.937	162.085	1796.83



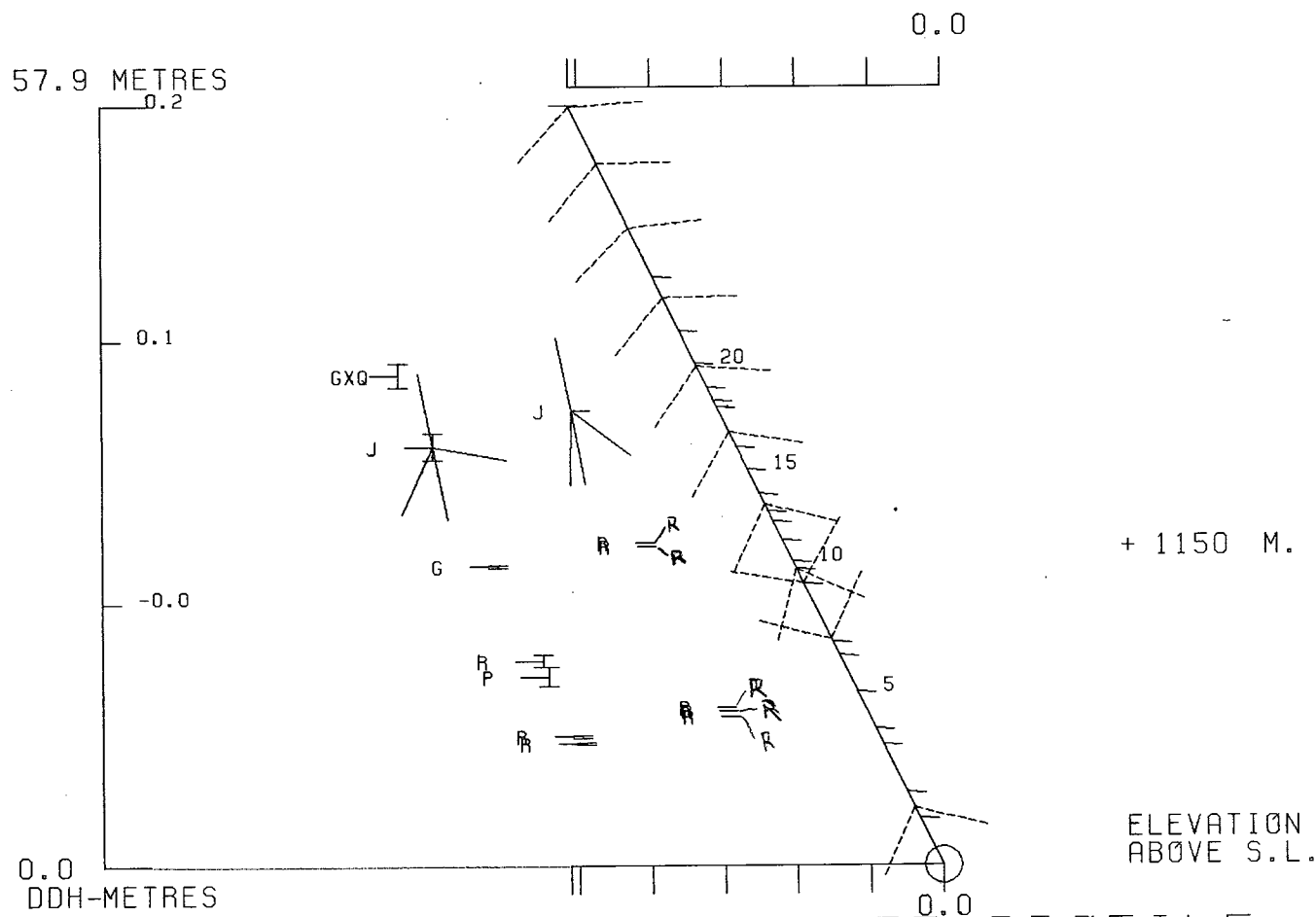
DDH: FAGU064 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1128 592230E ; 905004N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 457.6 Z = 1128.2

SECTION NAME: 76W



DDH: FAGU064 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1128 592230E ; 905004N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 457.6 Z = 1128.2

SECTION NAME: 76W

FAGU065

DRILL HOLE : FAGU065
NORTHING : 905,004.2
EASTING : 592,228.9
ELEVATION : 1,128.4
TOTAL DEPTH : 59.4
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 17
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 27
NOS DOWN-H-STRUCTURE: 10
NOS DOWN-H-FAULTS: 8
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU065 UTM-N: 905,004.2 UTM-E: 592,228.9 UTM-ELEV: 1,128.4 TOTAL DEPTH: 59.4 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	-----ASSAYS-----									
FROM	TO											AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	3.8	07519	3.8	2.5	4E4	4.75	.23	5.59	10.69	96.00		2.25	2		3						
3.8	5.7	07520	1.9	1.9	4G4	4.79	.23	7.29	10.90	140.00		3.22		20	20						
5.7	7.6	07521	1.9	1.8	4G4	4.75	.14	5.90	9.59	124.99		2.12	1	26	27						
7.6	9.8	07522	2.2	1.6	4G4	4.69	.14	8.10	15.49	144.00		2.39		9	9						
9.8	12.4	07523	2.6	1.9	4E4	4.78	.11	8.08	15.19	133.00		1.85	1	29	30						
12.4	12.9	07524	.5	.4	4D4	3.70	.01	7.95	18.39	138.00		.81	1	10	11						
12.9	14.2	07525	1.3	1.3	4A4	3.12	.02	2.83	7.70	58.99		.75	1	6	7						
14.2	15.1	07526	.9	.9	4D4	3.22	.01	4.00	11.30	82.00		.68	1	6	7						
15.1	16.7	07527	1.6	1.6	4E4	3.77	.08	4.96	6.20	93.00		1.78	1	22	23						
16.7	19.0	07528	2.3	2.3	4E4	4.17	.07	10.69	17.89	177.00	170.00	1.16	1	19	21						
19.0	21.5	07529	2.5	1.5	4A0	3.12	.02	1.14	2.25	21.00		.27	4	5	9						
42.8	43.3	07530	.5	.5	4L24	3.06	.05	.55	.88	13.00		.34	4	5	9						
43.3	43.8	07531	.5	.5	4CO*	3.54	.13	1.74	2.24	28.99		.55	7	15	23						
43.8	45.6	07532	1.8	1.8	4G4	4.61	.10	12.40	10.09	161.00		.89	2	11	14						
45.6	47.6	07533	2.0	2.0	4E4	4.58	.05	14.40	9.59	178.00		1.03	2	24	26						
47.6	49.6	07534	2.0	1.9	4E4	4.29	.11	9.59	8.10	131.00		.95	4	23	27						
49.6	50.4	07535	.8	.8	4L24	3.56	.14	1.97	2.04	36.00		.68	4	18	23						

WEIGHTED AVERAGE

.0	21.5		21.5	17.7		4.24	.12	6.13	11.13	109.71	18.18	1.72	1	13	15						
42.8	50.4		7.6	7.5		4.23	.09	9.61	7.47	125.99		.86	3	18	22						

21NOV83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 3

DDH: FAGU065 UTM-N: 905,004.2 UTM-E: 592,228.9 UTM-ELEV: 1,128.4 TOTAL DEPTH: 59.4 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	1.800	339.300

DDH: FAGU065 UTM-N: 905,004.2 UTM-E: 592,228.9 UTM-ELEV: 1,128.4 TOTAL DEPTH: 59.4 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.8	0C01	4E4	& POROUS - MINOR	0.5-	1
9.8	0C02	4G4	(4E4 & POROUS) MINOR	0.5-	1
12.4	0003	4E4		0.5-	1
12.9	0004	4D4	(4 A4) [4D45]	0.5-	1
14.2	0C05	4A4		0.5-	1
15.1	0C06	4D4	(4A4) [4D45]	0.5-	1
19.0	0007	4E4	(4A0) 80:20	0.5-	1
21.5	0C08	4AC	(4E1) (5C4*)	0.5-	1
24.1	0C09	5A6		0.5-	1
25.8	0C10	5B0		0.5-	1
27.7	0C11	5B3	(5D3)	0.5-	1
28.6	0C12	5D0		0.5-	1
29.1	0013	5B80	(5D0)	0.5-	1
29.9	0C14	5D0		0.5-	1
37.9	0015	5B80	(5D0) (5E0\$)	0.5-	1
39.3	0C16	5D0		0.5-	1
41.1	0C17	4L5		0.5-	1
42.8	0C18	5B0	-> 5B3\$	0.5-	1
43.3	0C19	4L0	(4D4*) [4L24]	0.5-	1
43.8	0C20	4CC	SERICITIC	0.5-	1
45.6	0C21	4G4		0.5-	1
49.6	0C22	4E4	& & POROUS - MINOR (4L0)	0.5-	1
50.4	0C23	4L24		0.5-	1
50.9	0C24	GOUGE	4L0	0.5-	1
53.3	0C25	5B6	[3G0]	0.5-	1
57.2	0C26	FAULT	GOUGE	0.5-	1
59.4	0C27	5B0		0.5-	1

21NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 5

DDH: FAGU065 UTM-N: 905,004.2 UTM-E: 592,228.9 UTM-ELEV: 1,128.4 TOTAL DEPTH: 59.4 SECTION: W 76
 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
FAGU065	0.0	7.2	PS2	0	0	40	230	C	1	1
FAGU065	0.0	13.2	PS2	0	0	38	230	C	1	1
FAGU065	0.0	21.8	PS2	0	0	38	230	C	1	1
FAGU065	0.0	26.6	PS2	0	0	56	230	C	1	1
FAGU065	0.0	32.2	PS2	0	0	62	230	C	1	1
FAGU065	0.0	37.1	PS2	0	0	70	230	C	1	1
FAGU065	0.0	42.2	PS2	0	0	60	230	C	1	1
FAGU065	0.0	46.3	PS2	0	0	34	230	C	1	1
FAGU065	0.0	52.0	PS2	0	0	70	230	C	1	1
FAGU065	0.0	58.0	PS2	0	0	65	230	C	1	1

DDH: FAGU065 UTM-N: 905,004.2 UTM-E: 592,228.9 UTM-ELEV: 1,128.4 TOTAL DEPTH: 59.4 SECTION: W 76
 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	
FAGU065	0.0	3.8	P		4		0	0	0	0	1
FAGU065	9.8	12.1	RP				0	0	0	0	1
FAGU065	19.0	19.6	R				0	0	0	0	1
FAGU065	43.8	45.6	XQ				0	0	0	0	1
FAGU065	45.6	49.6	1XD				0	0	0	0	1
FAGU065	50.4	50.9	G				0	0	0	0	1
FAGU065	53.3	57.2	GRP				0	0	0	0	1
FAGU065	0.0	59.4	F?				0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 7

DDH: FAGU065 UTM-N: 905,004.2 UTM-E: 592,228.9 UTM-ELEV: 1,128.4 TOTAL DEPTH: 59.4 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU065 1 1

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU065

Reference Fabric Orientation Diagram:

Project: Grum Releg

Location: Vangorda Plateau

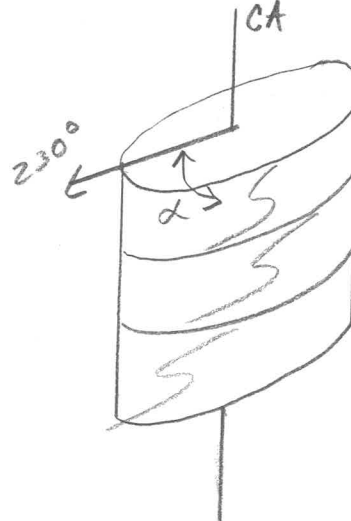
Claim: _____

UTM

Terr. Plane Co-ords.: 6905004.2 N

592228.9 E

Grid Co-ords: 76W/2N



Elevation: 1128.4

All ~~symmetry~~ determinations looking NW with S₂ dipping

Total Depth: 59.4m

SW with dip azimuth 230°.

Purpose: _____

Reason hole Terminated: _____

Re

Logged by: J. Modene

Date(s) Logged: July 12, 1981

Drilling Contractor: _____

Size	CORE From	To	Collar Cased and Capped: _____
<u>30</u>	<u>0</u>	<u>59.4</u>	

Hole Cemented: _____

Steel down hole: _____

Started: 4/18/76 Completed: 4/19/76

Lithologic Log

Date: _____ Logged By: J. Madene

UP HOLE

Code	From	To	Recov.	No.	Unit	Description	H.W. etc
	10 14 16 20 22 24 26 28 30 34 35						
L	100	138	25	1	4E4	minor coarse rubble; minor porous laminae → + poor rec'vy @ 3.0 m	rubbled
L	138	198		2	4G4H	pale honey to yellow orange sphalerite very minor 4E4 + minor 4E4 porous Minor coarse rubble	rubbled
L	198	124	17	3	4E4	sphalerite is still light colored (possible barite, minor) 9.8-12.1 is completely rubbled both coarse & fine poor rec'vy porous	
L	124	129		4	4D4	(4A) [4D45] this is 4A4/4D4 borderline. Some large white patches of Qtz	gradational
L	129	142		5	4A4	+3G2	gradat.
L	142	151		6	4D4	(4A) as #4	grad.
L	151	190		7	4E4	(4A) intbds ~ 20% of interval	rubbled
L	190	215		8	4A0	(4E1) (5C4* @ 40 cm H.W remembering this is an up hole) Low stfs. +3G2 coarse rubble to 19.6	gouged rubbled
L	215	241		9	5A6		rubbled
L	241	258		10	5B0	strongly calc @ EOT	grad
L	258	277		11	5B0	strongly calc 5B w/ intermixed 5D mat'1 ??	gradational
L	277	286		12	5D0	massive-laminated green w/ cc	sharp // s _z
L	286	291		13	5B0	(5D0)	sharp // s _z
L	291	299		14	5D0	massive green w/ cc bands (sometimes 1-2 cm thick) Qtz-co ₂ vein // s _z @ EOT	silicified
L	299	379		15	5B0	calcareous 5D0 intbd @ 33.0 5E0 dolomitic intbd @ 35.8	carbonated // s _z
L	379	393		16	5D0		// s _z
L	393	411		17	4L5	interbedded 5B + 5D w/ white mica overprint	
L	411	428		18	5B0	grey phyllite grading toward 5B3* locally very carbonate rich cc+dolo	broken
L	428	433		19	4L0	(4D4*)	gradat.
L	433	438		20	4D4*	sericitic same as std bands in #19	// s _z
L	438	456		21	4G4	honey sp. 4E4 @ 10 cm f.w. (TOI) many cc hairline fractures	grad
L	456	496		22	4E4	±8; (4K0) ~ 30 cm @ 48.7 → (4L0)	
L	496	504		23	4L24	minor porous ore, minor (4D*), minor subtle brca similar to #19, 4L0 w/ std. bands	rubbled gouged

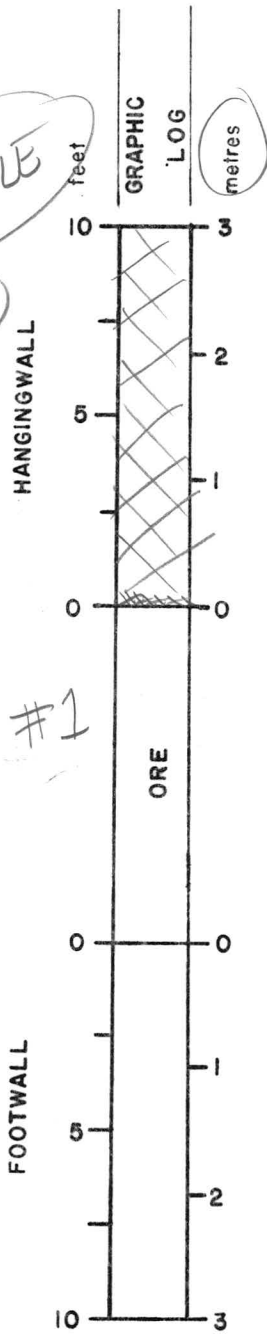
ask GAG →

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description	
	10	14	16	20			22	24	26	28	32	34		38
S				72	PS12							410	230	comp bandg in massive sfd's
S				132	Pi312							318	2310	S ₂ in 4A
S				212	PS12							318	2310	
S				266	PS12							516	2310	
S				320	PS12							612	2310	
S				371	PS12							70	230	
S				422	PS12							60	2310	tension gashes 34°/50°
S				468	PS12							34	2130	comp banding in sfd's
														lower cte of gouge possibly stp
														as 30° to CA
														@ 50.9 m
														@ 51.8 fracture w/ minor friction
														28° to CA
S				520	PS12							70	2310	
S				580	PS12							65	2130	
														No good crenulated cleavages
														+ no revealing attitudes
														observed on gouge + rubble
														zones

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
#1	P	100		138	75119		138		125		4E4		#1
	P	138		157	75210		119		119		4G4		#2
	P	157		176	75211		119		118		4G4		#2
	P	176		198	75212		122		116		4G4		#2
	P	198		1124	75213		126		119		4E4		#3
	P	1124		1129	75214		105		104		4D4	(4A)	#4
	P	1129		1142	75215		113		113		4A4		#5
	P	1142		1151	75216		109		109		4D4	(4A)	#6
	P	1151		1167	75217		116		116		4E4	(4A)	#7
	P	1167		1190	75218		123		123		4E4	(4A)	#7
	P	1190		1215	75219		115		115		4A101	low stds. (4E) (5C4*)	
	#2	P	1428		1433	75310		105		105		4L24	[4L(4D4*)]
P		1433		1438	75311		105		105		4D4*	sericitic	#20
P		1438		1456	75312		118		118		4G4		#21
P		1456		1476	75313		120		120		4E4	±8 (4K) (4D*)	#22
P		1476		1496	75314		120		119		4E4	±8 (4K) (4D*)	#22
P		1496		1504	75315		108		108		4L24		#23

GEOTECHNICAL LOG

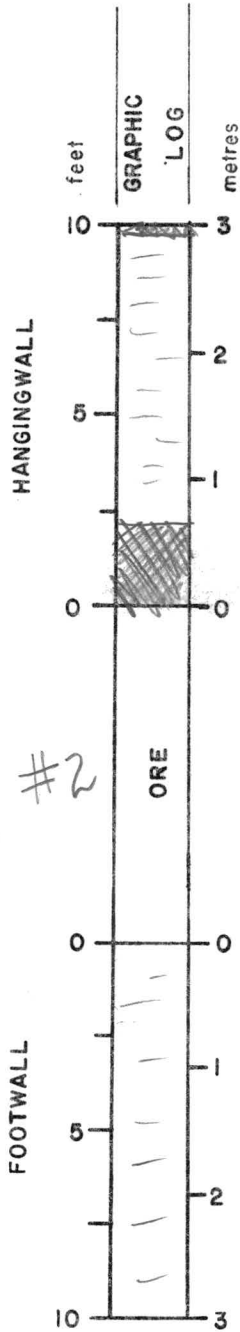
UP HOLE
Meters



#1

INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
24.5	Consistently broken core	0%	1-5 cm	5A6 5B0	
21.5		SIZE OF CORE B6			H ↑ Hole collapsed in ore
0.0					H

GEOTECHNICAL LOG



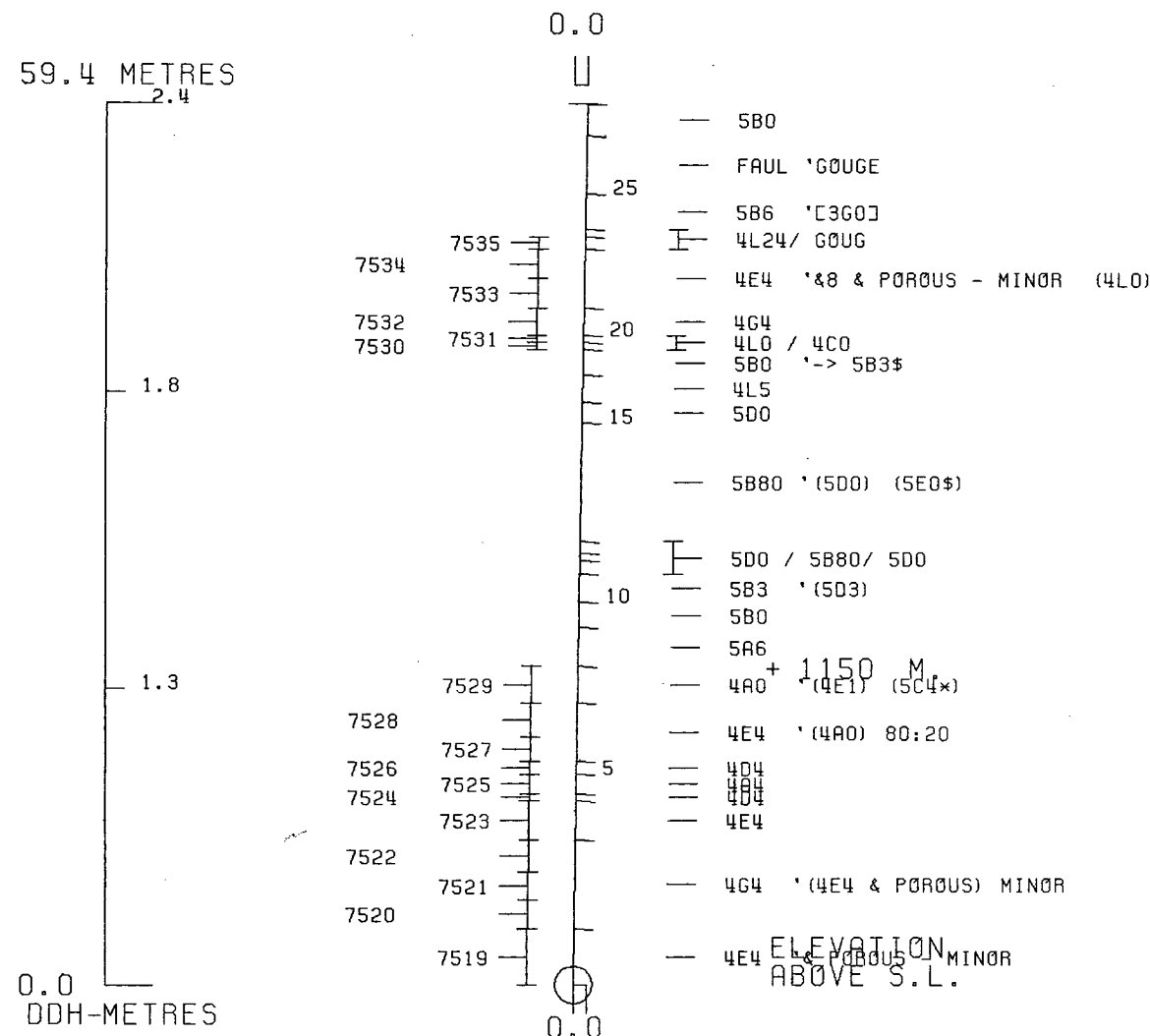
up hole



#2

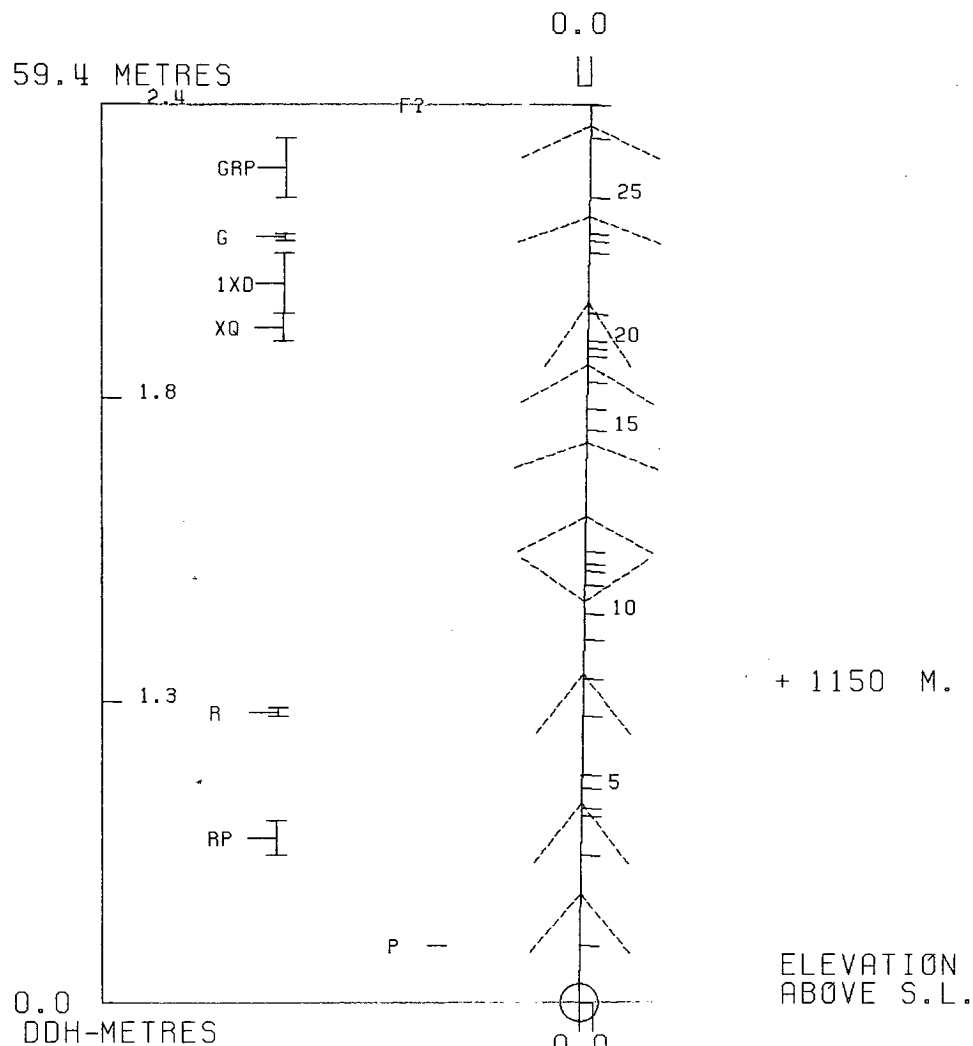
INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
53.4 53.3	Relatively Competent (broken on S _z)	16 2.4	20cm	5B6	53.3-57.2 FAULT
52.9	Gouge	0	0		
50.4		SIZE OF CORE BQ			
42.8					
39.8	Relatively Competent (Broken along S _z)	1/10ft 10%	2-10 cm	4L5 5B0	

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay 2				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		21.5: FAULT contact with graphitic phyllite. Dark sticky gouge with bull quartz fragments.															
21.5	24.2	GRAPHITIC PHYLLITE (Sg) Fissile. Foliation $F_2 = 75^\circ - 80^\circ$ S-shaped F_1 (c to c plane = $0-3^\circ$) very clearly indicated.	2.5/2.7		21.5	24.2	2.7										
		24.2: Shear contact with calcitic sericite phyllite.															
24.2	42.7	CALCITIC-SERICITE PHYLLITE (SK). Generally with ash gray colour but some intervals have greenish tint (chlorite?) Competent. Calcite in groundmass and as stringer. Foliation = 75° . $F = 3-5^\circ$ as stretched S-shaped foliation or laminae of chlorite-calcite. Calcite filled fracture pattern cutting across- 75° foliation with 5° dip opposite direction.	18.0/18.5		24.2	42.7	18.5										
		42.7: Contact with bleached phyllite = 40° .															
42.7	43.3	BLEACHED PHYLLITE (Sb). White with intervening greenish laminae. White clay (kaolinite?). Foliation = 75° . Talcy feel. Entire run fissile. Non-calcitic.	0.4/0.6		42.7	43.3	0.6										
		43.3: Sharp direct contact with Massive Sulfide Zone.															
43.3	50.2	MASSIVE SULFIDE ZONE (M). Dense and brittle. Competent. Compositional banding Py-mgtt/po following F S-shaped con-figuration (c to c plane = 5°). Short intervals of "included" qtz-sulfide phyllite. Discontinuous short calcite stringers sporadically distributed.															
		50.2: Sudden change to Bleached phyllite-contact															
		25 6	1.4/1.5	2369	42.6	44.1	1.5	3.45	2.95	45.26			5.175	4.425	67.89		
		80 8	1./61.6	2370	44.1	45.7	1.6	14.33	11.98	179.66			22.928	19.168	287.45		
		75 10	1.4/1.5	2371	45.7	47.2	1.5	15.28	8.98	188.57			22.92	13.47	282.85		



DDH: FAGU065 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1128 592229E ; 905004N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 456.9 Z = 1128.5
 SECTION NAME: 76W



DDH: FAGU065 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1128 592229E ; 905004N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 456.9 Z = 1128.5

SECTION NAME: 76W

FAGU066

DRILL HOLE : FAGU066
NORTHING : 905,002.3
EASTING : 592,229.4
ELEVATION : 1,126.3
TOTAL DEPTH : 99.0
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 33
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 35
NOS DOWN-H-STRUCTURE: 19
NOS DOWN-H-FAULTS: 4
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0.

DDH: FAGU066 UTM-N: 905,002.3 UTM-E: 592,229.4 UTM-ELEV: 1,126.3 TOTAL DEPTH: 99.0 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
FRCM	TO																				
.0	2.0	12083	2.0	1.6	4E42	4.34	.23	9.30	14.80	136.00		2.95	2	19	21						
2.0	3.4	12084	1.4	1.0	4E42	4.69	.17	7.20	17.00	98.00		1.70	3	24	27						
3.4	5.4	12085	2.0	2.0	4E4	4.91	.23	4.29	7.99	69.00		2.87	1	34	36						
5.4	7.3	12086	1.9	1.6	4E4	4.75	.20	6.59	10.90	76.00		2.19	1	30	32						
7.3	9.3	12087	2.0	2.0	4EG4	4.78	.20	6.20	9.40	120.99		2.33		19	20						
9.3	11.4	12088	2.1	1.7	4EG4	4.86	.16	5.70	9.90	116.99		2.19	1	21	23						
11.4	13.9	12089	2.5	2.0	4G4	4.75	.10	3.89	8.69	83.00		1.23		14	15						
13.9	15.9	12090	2.0	1.4	4EG4	4.75	.14	6.70	10.90	121.99	122.99	1.37		34	35						
15.9	16.7	12091	.8	.8	4ALC	3.27	.07	1.30	2.50	34.00		.47	1	11	12						
16.7	18.4	12092	1.7	.7	4EA4	3.58	.08	2.89	4.09	49.00		.55	2	15	18						
18.4	19.4	12093	1.0	.9	5D4#	3.08	.04	.38	.58	7.99		.34	5	5	10						
19.4	20.5	12094	1.1	.9	4E4	4.46	.10	9.00	12.69	125.99		1.10	1	21	23						
20.5	22.0	12095	1.5	1.5	4EG4	4.73	.11	8.40	17.50	116.99		1.43	1	22	24						
22.0	23.4	12096	1.4	1.3	4G4	4.86	.19	5.59	9.69	98.00		1.30	1	22	23						
23.4	25.9	12097	2.5	2.5	4E4	4.59	.20	6.79	19.39	109.00		1.23	2	23	25						
39.2	41.3	12098	2.1	1.5	4E4	4.50	.17	4.40	4.50	72.00		.68	3	30	33						
41.3	45.7	12099	4.4	4.2	4L2	3.45	.10	1.39	1.37	31.99		.68	5	12	18						
47.2	48.7	12100	1.5	1.1	4E8		.17	2.50	1.92	37.00											
71.6	72.6	12101	1.0	1.0	4E0	4.20	.29	2.00	.47	49.00	42.00	.27	4	20	24						
72.6	73.3	12102	.7	.5	4L0	3.10	.08	.53	.19	22.00		.20	1	8	9						
73.3	75.1	12103	2.8	2.0	4E4	4.38	.11	2.39	3.10	61.99		.55	2	30	32						
76.1	78.5	12104	2.4	2.3	4G4#	4.45	.11	5.70	6.20	105.00		.81	1	17	18						
78.5	80.7	12105	2.2	2.2	4G4	4.53	.05	6.00	8.10	91.00		1.16	1	7	9						
80.7	83.2	12106	2.5	2.0	4G4#	4.28	.13	6.79	7.09	116.99		.95	2	20	23						
83.2	85.5	12107	2.3	1.1	4LEG	3.39	.23	.99	.73	29.99		.62	4	13	18						
85.5	86.8	12108	1.3	1.3	4G0#	3.31	.11	3.89	3.89	95.00		.68	2	23	26						
86.8	87.5	12109	.7	.6	4L2	3.45	.20	1.89	.85	41.00		.47	3	16	19						
87.5	88.8	12110	1.3	1.3	4G4#	4.13	.10	6.20	6.50	80.00	78.00	.81	2	22	24						
88.8	89.5	12111	.7	.5	4L3	3.12	.75	.34	.46	39.00		.62	3	2	6						
89.5	91.3	12112	1.8	1.8	4G4	4.63	.05	5.70	8.69	100.00		.55	2	7	9						
91.3	93.1	12113	1.8	.4	4G4	4.63	.05	6.40	7.59	105.00		.55	1	7	9						
93.1	95.0	12114	1.9	1.9	5D4*	3.10	.08	.91	.84	23.00		.27	3	6	9						
95.0	98.7	12115	3.7	2.7	4GE4	4.61	.05	5.90	8.50	108.00		.34	1	8	10						

WEIGHTED AVERAGE

.0	25.9		25.9	21.9		4.53	.16	5.83	11.00	95.48	9.49	1.66	1	22	24						
39.2	45.7		6.5	5.7		3.79	.12	2.36	2.38	44.92		.68	4	18	23						
47.2	48.7		1.5	1.1			.17	2.50	1.92	37.00											
71.6	98.7		27.1	21.6		4.12	.12	4.25	5.10	79.24	5.29	.61	2	14	17						

25NOV83 GRUM

DOWN-HOLE SURVEYS (DH02G)

PAGE: 3

DDH: FAGUD66 UTM-N: 905,002.3 UTM-E: 592,229.4 UTM-ELEV: 1,126.3 TOTAL DEPTH: 99.0 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	67.100	176.400

DDH: FAGU066 UTM-N: 905,002.3 UTM-E: 592,229.4 UTM-ELEV: 1,126.3 TOTAL DEPTH: 99.0 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.4	0001	4E4	2	0.5-	1
7.3	0002	4E4		0.5-	1
11.0	0003	4G4	(4E4)	0.5-	1
11.4	0004	4E4	POROUS	0.5-	1
15.2	0005	4G4		0.5-	1
15.9	0006	4E4	POROUS RUBBLE	0.5-	1
16.5	0007	4AC	(5A19)	0.5-	1
16.7	0008	4LC		0.5-	1
17.3	0009	4E4	RUBBLE	0.5-	1
18.4	0010	4A19	PY	0.5-	1
19.4	0011	5D4B		0.5-	1
20.5	0012	4E4		0.5-	1
20.7	0013	4G4		0.5-	1
22.0	0014	4E4		0.5-	1
23.4	0015	4G4		0.5-	1
25.9	0016	4E4		0.5-	1
26.6	0017	4L2	(5D4*)	0.5-	1
34.4	0018	5A6	(5A3)	0.5-	1
35.6	0019	5D4*		0.5-	1
39.2	0020	5A6		0.5-	1
41.1	0021	4E4		0.5-	1
41.6	0022	4L2		0.5-	1
41.8	0023	5B62	1	0.5-	1
42.4	0024	5D4@	TALC	0.5-	1
45.7	0025	4L24	@	0.5-	1
47.2	0026	5D0	(5D4@) E.O.I. 50:50	0.5-	1
48.4	0027	4E8		0.5-	1
64.0	0028	4L2	(4L24)	0.5-	1
65.1	0029	5B64		0.5-	1
71.6	0030	4L2		0.5-	1
72.6	0031	4EC		0.5-	1
73.5	0032	4LC		0.5-	1
73.8	0033	4E4	POROUS #	0.5-	1
76.1	0034	4E4@	(4K0)	0.5-	1
78.5	0035	4G4#		0.5-	1
80.7	0036	4G4		0.5-	1
83.2	0037	4G4#	RUBBLE	0.5-	1
83.5	0038	4EC#		0.5-	1
83.8	0039	5D4@		0.5-	1
84.0	0040	4G4		0.5-	1
84.3	0041	4L23		0.5-	1
85.3	0042	4EC		0.5-	1
85.5	0043	4LC		0.5-	1
86.8	0044	4G0#		0.5-	1
87.5	0045	4L2	83 MINOR	0.5-	1
87.9	0046	4G4#		0.5-	1
88.1	0047	4L3		0.5-	1
88.9	0048	4G4#		0.5-	1
89.5	0049	4L3		0.5-	1
93.1	0050	4G4	(4G4#)	0.5-	1
95.0	0051	5D4*		0.5-	1

25NOV83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 5

DDH: FAGU066 UTM-N: 905,002.3 UTM-E: 592,229.4 UTM-ELEV: 1,126.3 TOTAL DEPTH: 99.0 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
98.4	0052	4G4		0.5-	1
98.7	0053	4E0		0.5-	1
98.9	0054	4LC		0.5-	1
99.0	0055	4G4#		0.5-	1

DDH: FAGU066 UTM-N: 905,002.3 UTM-E: 592,229.4 UTM-ELEV: 1,126.3 TOTAL DEPTH: 99.0 SECTION: W 76
 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
FAGU066	0.0	1.0	CS2	F	0	0	0	0	30	230	0		1	1	1
FAGU066	0.0	4.0	CS2	P	0	0	0	0	50	230	0		1	1	1
FAGU066	0.0	7.5	CS2	P	0	0	0	0	30	230	0		1	1	1
FAGU066	0.0	10.0	CS2	P	0	0	0	0	30	230	0		1	1	1
FAGU066	0.0	14.0	CS2	P	0	0	0	0	40	230	0		1	1	1
FAGU066	0.0	22.0	CS2	P	0	0	0	0	40	230	0		1	1	1
FAGU066	0.0	28.7	CS2	P	0	0	0	0	25	230	0		1	1	1
FAGU066	0.0	33.7	CS2	Z	0	0	20	180	40	230	0		1	1	1
FAGU066	0.0	42.6	CS2	P	0	0	0	0	50	230	0		1	1	1
FAGU066	0.0	48.0	CS2	P	0	0	0	0	20	230	0		1	1	1
FAGU066	0.0	54.5	PS2		0	0	0	0	30	230	0		1	1	1
FAGU066	0.0	61.0	CS2	P	0	0	0	0	50	230	0		1	1	1
FAGU066	0.0	64.0	CS2	S	0	0	10	0	40	230	0		1	1	1
FAGU066	0.0	74.0	CS2	P	0	0	0	0	20	230	0		1	1	1
FAGU066	0.0	79.0	CS2	P	0	0	0	0	10	230	0		1	1	1
FAGU066	0.0	86.6	CS2	P	0	0	0	0	20	230	0		1	1	1
FAGU066	0.0	92.0	CS2	P	0	0	0	0	40	230	0		1	1	1
FAGU066	0.0	96.0	CS2	P	0	0	0	0	65	230	0		1	1	1
FAGU066	0.0	97.5	CS2	P	0	0	0	0	60	230	0		1	1	1

DDH: FAGU066 UTM-N: 905,002.3 UTM-E: 592,229.4 UTM-ELEV: 1,126.3 TOTAL DEPTH: 99.0 SECTION: W 76
 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
FAGU066	15.2	15.9	R		0	0	0	1
FAGU066	15.7	17.3	RB		0	0	0	1
FAGU066	26.6	34.4	QJ		0	0	0	1
FAGU066	80.7	83.2	RB		0	0	0	1

25NOV83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 8

DDH: FAGU066 UTM-N: 905,002.3 UTM-E: 592,229.4 UTM-ELEV: 1,126.3 TOTAL DEPTH: 99.0 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU066 1 1

MOT ON 76, 75 or 78W ? WHERE IS THE
FUCKING THING

CYPRUS ANVIL MINING CORPORATION

Page 1 of 6

DIAMOND DRILL CORE LOG

Date: 22 SEP 81

Hole Number: FAGU 066

Reference Fabric Orientation Diagram:

Project: GRUM. RELOG 81

Location: 76W

Claim: _____

U.T.M. _____

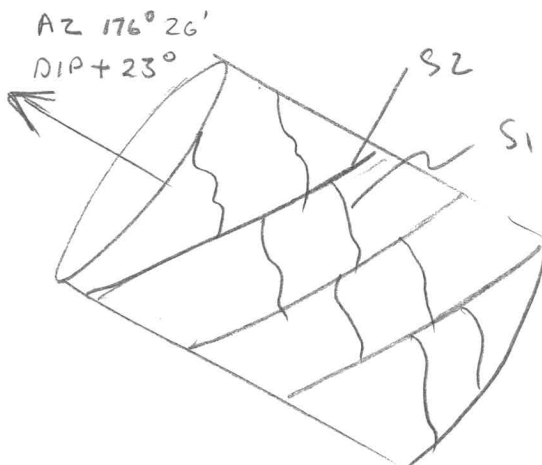
Ferr. Plane _____

Co-ords.: 905002.3 N

592229.4 E

Grid _____

Co-ords: _____



Elevation: 1126.3 m.

All symmetry determinations looking

MW with S2 dipping

Total Depth: 99.0 m.

SW with dip azimuth 230.

Purpose: Grum. U/G.

Reason hole _____

Terminated: _____

Logged by: DSJ - JGS

Date(s) Logged: 22 SEPT 81

Drilling Contractor: Cameron McCutcheon

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>99.0</u>	

Hole Cemented: _____

Steel down hole: _____

Started: 19 APR 76 Completed: 20 APR 76

DDH FAGU066
2 8

Cyprus Anvil Mining Corp.

Page 3 of 6

Lithologic Log

Date: 22 SEP 81Logged By: DSJ-JGS

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		10	0		13	4				101	4E4	Buckshot
L		3	4		7	3				102	4E4	
L		7	3		11	0				103	4G4	(4E4) non calc
L		11	0		11	4				104	4E4	POR.
L		11	4		15	2				105	4G4	non calc
L		15	2		15	9				106	4E4	POR RUBBLE
L		15	9		16	5				107	4A0	(5A19)
L		16	5		16	7				108	4L0	
L		16	7		17	3				109	4E4	Rubble Bn Calc
L		17	3		18	4				110	4A19	py.
L		18	4		19	4				111	5D4*	AMK/K. fusch 2%
L		19	4		20	5				112	4E4	
L		20	5		20	7				113	4G4	non calc
L		20	7		22	0				114	4E4	
L		22	0		23	4				115	4G4	non calc
L		23	4		25	9				116	4E4	
L		25	9		26	6				117	4L2	(5D4*) mini fusch
L		26	6		34	4				118	5A6	(5A3) gv. pin veins
L		34	4		35	6				119	5D4*	no fusch
L		35	6		39	2				120	5A6	no above 18,
L		39	2		41	1				121	4E4	
L		41	1		41	6				122	4L2	
L		41	6		41	8				123	5B6.2	1
L		41	8		42	4				124	5D4*	AMK TALC
L		42	4		45	7				125	4L2	4
L		45	7		47	2				126	5D3	(5D4*) lost - 8 AMK.
L		47	2		48	4				127	4E8	
L		48	4		64	0				128	4L2	(4L2/4)
L		64	0		65	1				129	5B6.4	
L		65	1		71	6				130	4L2	
L		71	6		72	6				131	4E0	
L		72	6		73	3				132	4L0	
L		73	3		73	8				133	4E4	POR CALC
L		73	8		76	1				134	4E0	(4K0) AMK. patchy
L		76	1		78	5				135	4E4*	CARC
L		78	5		80	7				136	4G4	

DDH F.A.G.40.66
2 8

Cyprus Anvil Mining Corp.

Page 4 of 6

Lithologic Log

Date: 22 SEP 81 Logged By: DJJ - JGS

Code	From				To				Recov.				No.				Unit				Description
	10	14	16	20	22	24	26	28	30	34	35	10	14	16	20	22	24	26	28	30	
L	807			832										37						4G4*	CALL (Bkn Core Rubble)
L	832			835										38						4E0*	CALL
L	835			838										39						5D4*	ANK no fusch
L	838			840										40						4G4	
L	840			848										41						4L23	
L	848			853										42						4E0	
L	853			855										43						4L9	
L	853			868										44						4G4*	CALL MB 76.1 → 4G4 SPARRIC
L	868			875										45						4L2	PATCHY MINOR MAGNETITE
L	875			879										46						4G4*	CALL
L	879			881										47						4L3	
L	881			889										48						4G4*	CALL
L	889			895										49						4L3	
L	895			931										50						4G4	(4G4*) calc
L	931			950										51						5D4*	non fusch K.
L	950			984										52						4G4	
L	984			987										53						4E0	
L	987			989										54						4L0	
L	989			990										55						4G4*	CALL
																					END OF HOLE

ASSAY LOG (SAMPLER'S COPY) Date 22 SEP

Sampled by ---

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION			
	10	14	16	20		22	26	28	30				32	34	36
P	10	14	16	20	12083	22	26	28	30	32	34	36	40	42	Buckshot
P	12	14	16	18	12084	22	26	28	30	32	34	36	40	42	
P	13	14	16	18	12085	22	26	28	30	32	34	36	40	42	
P	15	14	16	18	12086	22	26	28	30	32	34	36	40	42	
P	17	14	16	18	12087	22	26	28	30	32	34	36	40	42	
P	19	14	16	18	12088	22	26	28	30	32	34	36	40	42	
P	11	14	16	18	12089	22	26	28	30	32	34	36	40	42	
P	11	14	16	18	12090	22	26	28	30	32	34	36	40	42	(4G4)
P	11	14	16	18	12091	22	26	28	30	32	34	36	40	42	(4L0)
P	11	14	16	18	12092	22	26	28	30	32	34	36	40	42	(4E)
P	11	14	16	18	12093	22	26	28	30	32	34	36	40	42	
P	11	14	16	18	12094	22	26	28	30	32	34	36	40	42	
P	12	14	16	18	12095	22	26	28	30	32	34	36	40	42	(4G4)
P	12	14	16	18	12096	22	26	28	30	32	34	36	40	42	
P	12	14	16	18	12097	22	26	28	30	32	34	36	40	42	
P	13	14	16	18	12098	22	26	28	30	32	34	36	40	42	
P	14	14	16	18	12099	22	26	28	30	32	34	36	40	42	(5D4)
P	14	14	16	18	12100	22	26	28	30	32	34	36	40	42	
P	17	14	16	18	12101	22	26	28	30	32	34	36	40	42	
P	17	14	16	18	12102	22	26	28	30	32	34	36	40	42	
P	17	14	16	18	12103	22	26	28	30	32	34	36	40	42	(4E4)
P	17	14	16	18	12104	22	26	28	30	32	34	36	40	42	CALC
P	17	14	16	18	12105	22	26	28	30	32	34	36	40	42	
P	18	14	16	18	12106	22	26	28	30	32	34	36	40	42	
P	18	14	16	18	12107	22	26	28	30	32	34	36	40	42	(4E)
P	18	14	16	18	12108	22	26	28	30	32	34	36	40	42	
P	18	14	16	18	12109	22	26	28	30	32	34	36	40	42	(4G4) mm ✓
P	18	14	16	18	12110	22	26	28	30	32	34	36	40	42	✓
P	18	14	16	18	12111	22	26	28	30	32	34	36	40	42	
P	18	14	16	18	12112	22	26	28	30	32	34	36	40	42	
P	19	14	16	18	12113	22	26	28	30	32	34	36	40	42	
P	19	14	16	18	12114	22	26	28	30	32	34	36	40	42	
P	19	14	16	18	12115	22	26	28	30	32	34	36	40	42	END SAMPLING.

DIAMOND DRILL RECORD

 LOGGED BY ALEXANDER YOUNG PO

 D. D. H. NO 76-U-66 PAGE 1

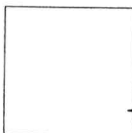
 PROPERTY GRUM JOINT VENTURE

 LATITUDE 10797.703 N 2°+19.8^mN STARTED APRIL 19, 1976

 DEPARTURE 7536.365 E 76^W COMPLETED APRIL 20, 1976

 ELEVATION 1136.900 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 99.0m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	176° 26'	+23°



CLAIM NO _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 70.6%

Interval		DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
0	25.9						MASSIVE SULFIDE ZONE (M). Brittle, dense but with some short intervals of porous sulfide bands. Foliation completely obliterated. Compositional banding of Sph-Gal rich parts=50°. Intervening gaps of graphitic and bleached sulfides. Cryotaxline silica as amygdaloidal fill. 0-3: Broken ground. Core composed of Pebble size fragments. 3.3: Porous Sulf. 15.9-16.7: Graphitic phyllite interval. Soft, siliceous and a little clayey but not gougy. Foliations are intricate. F ₂ =50° while F ₁ =10° and tends to be congruent with each other. Contacts broken ground. 18.2-19.6: Bleached phyllite interval, buff with green highlights due to Fuchsite. Foliation preserved=30°. Contacts broken ground. 25.9: Contact with bleached phyllite (Sb) =30°	75		+15	0.8/1.5	2374	0	1.5	1.5	10.12	13.52	143.32
			15		0.5/1.5	2375	1.5	3.0	1.5	8.17	15.09	108.00				12.255	22.635	162.00
			75	10	0.9/1.5	2376	3.0	4.5	1.5	5.51	10.89	84.69				8.265	16.335	127.035
			80	8	0.9/1.5	2377	4.5	6.0	1.5	4.28	8.52	50.40				6.42	12.78	75.6
			80	8	1.2/1.6	2378	6.0	7.6	1.6	7.00	10.20	77.83				11.2	16.32	124.528
			80	10	1.0/1.5	2379	7.6	9.1	1.5	6.80	9.44	129.26				10.2	14.16	193.89
			75	15	1.0/1.5	2380	9.1	10.6	1.5	5.90	9.54	126.17				8.85	14.31	189.255
			75	10	0.8/1.5	2381	10.6	12.1	1.5	5.20	8.95	94.63				7.80	13.425	141.945
			75	10	1.0/1.6	2382	12.1	13.7	1.6	3.58	8.06	73.71				5.728	12.896	117.936
			75	10	0.8/1.5	2383	13.7	15.2	1.5	5.44	8.93	89.83				8.16	13.395	134.745
			40	6	0.5/1.5	2384	15.2	16.7	1.5	3.55	6.17	64.46				5.325	9.255	96.69
			40	8	0.5/1.5	2385	16.7	18.2	1.5	3.88	4.20	56.57				5.82	6.30	84.855
			30	8	0.6/1.6	2386	18.2	19.8	1.6	2.75	1.40	34.29				4.40	2.24	54.864
			75	+15	1.4/1.5	2387	19.8	21.3	1.5	8.77	13.21	101.83				13.155	19.815	152.745
			75	10	1.5/1.5	2388	21.3	22.8	1.5	7.59	14.69	111.09				11.385	22.035	166.635
25.9	26.2	BLEACHED PHYLLITE (Sb). Competent. Buff coloured. Train of sulfides=5°. Minor spots of Fuchsite.	75	8	1.4/1.5	2389	22.8	24.3	1.5	7.25	14.25	98.74				10.875	21.375	148.11
			75	15	1.5/1.6	2390	24.3	25.9	1.6	5.59	21.24	69.60				8.944	33.984	111.36

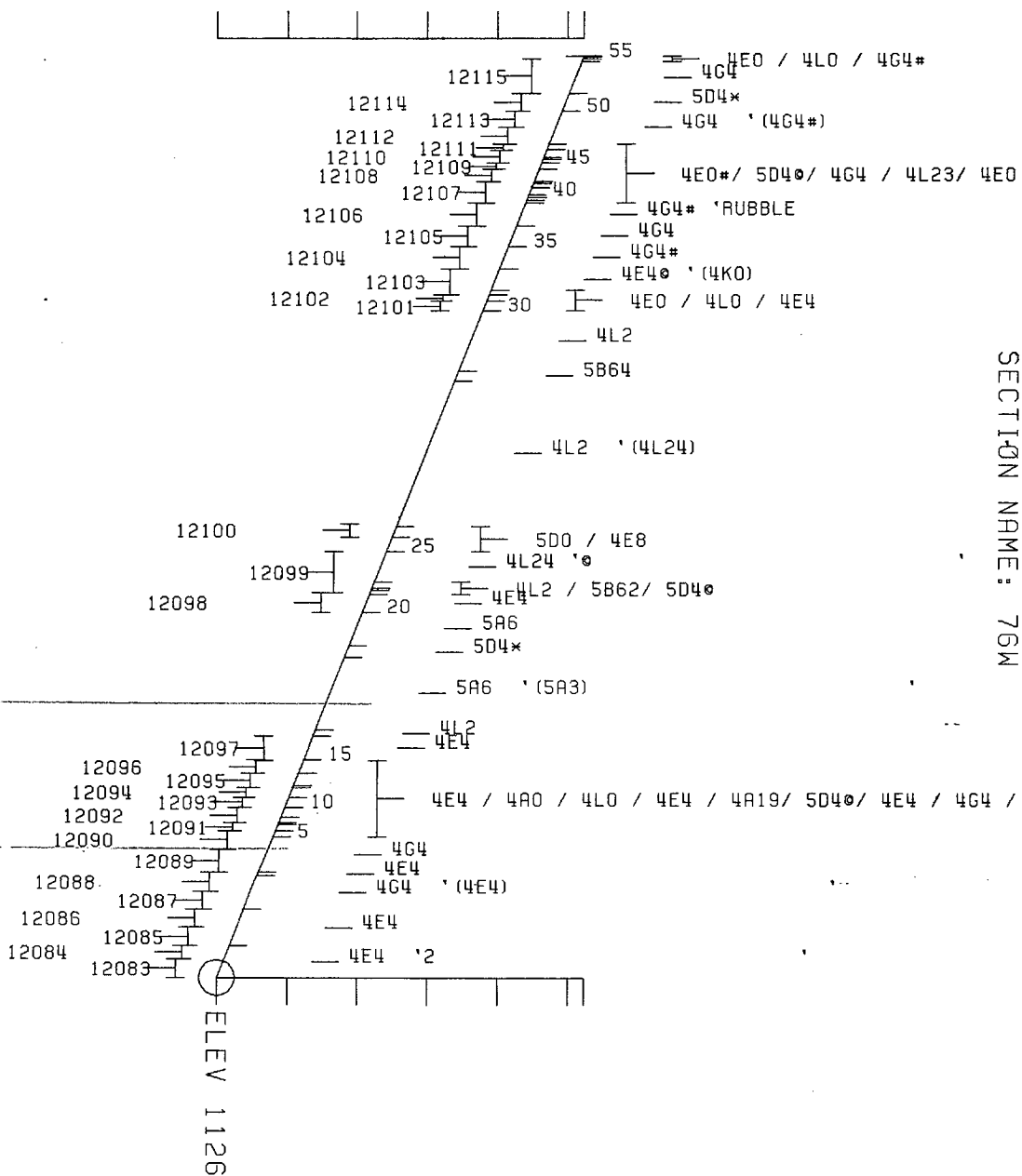
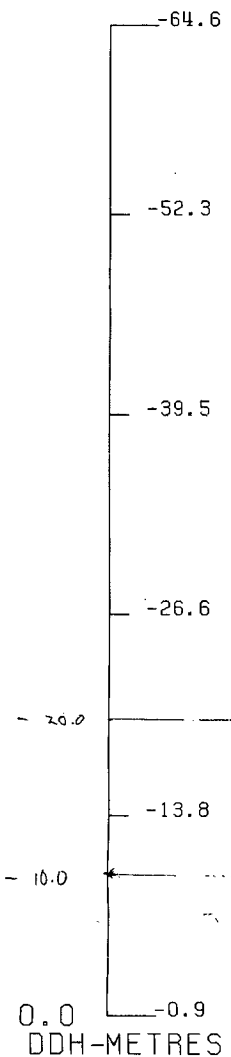
Interval		DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		Light buff colour with greenish tint. Foliation 35-40° (F ₁).															
		Minor sulfide showing.															
		45.9: Fold nose.															
		47.2: Sharp contact with Massive sulfide-80°.															
45.7	48.5	MASSIVE SULFIDES. Dense and brittle. Compositional banding			1.5/1.5	2395	47.2	48.7	1.5	2.35	1.68	30.17					
		Py=Po/Mgtt-Py=30°. Calcite associated as included 75 6															
		gangue in groundmass.															
		48.5: Sudden change to bleached phyllite. Broken ground.															
48.5	71.6	BLEACHED SERICITE PHYLLITE (Sb). Competent. Buff with			21.0/23.1		48.5	71.6	23.1								
		greenish tint. Non-calcitic. Short intervals of unbleached															
		sericite phyllite 5cm. Sericite sometime has waxy resinous															
		look and sometime earthy but not clayey. Foliation=30°, F ₂ =															
		45°. 65.5: FAULT. Thick, gray clay with qtz. pebbles (=10c)															
		71.6: Clean direct contact with MASSIVE SULFIDE-25°.															
			70 8		1.1/1.5	2396	71.6	73.1	1.5	2.53	0.53	45.26					
71.6	99.0	MASSIVE SULFIDE ZONE. Dense and brittle. Inter-	70 8		1.0/1.5	2397	73.1	74.6	1.5	3.98	4.85	60.34					
		vening gaps of bleached phyllite within the zone.	75 10		1.5/1.5	2398	74.6	76.2	1.6	2.08	1.55	37.37					
		Foliation completely obliterated. Compositional	75 15		1.4/1.5	2399	76.2	77.7	1.5	6.70	5.64	111.09			10.05	8.46	166.635
		bands=15° gradually changing to =60°, towards 80.7m	70 8		1.4/1.5	2400	77.7	79.2	1.5	5.80	7.10	84.69			8.70	10.65	127.035
		until end of run. Barite prisms in cavity walls.	75 15		1.5/1.5	2401	79.2	80.7	1.5	6.55	8.07	80.57			9.825	12.105	120.855
		Opalline silica as amygdaloidal fills.	80 10		1.2/1.5	2402	80.7	82.2	1.5	9.33	10.08	138.17			13.995	15.12	207.255
			60 8		0.6/1.6	2403	82.2	83.8	1.6	2.70	1.55	37.37					

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
		72.8-73.3: Bleached Phyllite. Greenish Foliation=15°.	60	6	1.3/1.5	2404	83.8	85.3	1.5	1.80	1.00	26.40					
		77.8-80: Bleached phyllite. Broken grd. Greenish.	65	10	1.0/1.5	2405	85.3	86.8	1.5	4.18	3.45	72.69			6.27	5.175	109.035
		82.2-84.4: Broken ground. Sub rounded quartz and sulfide pebbles.	70	10	1.4/1.5	2406	86.8	88.3	1.5	4.50	3.80	54.51			6.75	5.70	8.765
			60	10	1.2/1.6	2407	88.3	89.9	1.6	5.75	7.45	73.71			7.20	11.92	117.936
		89-89.5: Bleached phyllite. Greenish colour.	75	10	1.0/1.5	2408	89.9	91.4	1.5	6.10	8.78	100.80			9.15	13.17	151.2
		With bull qtz. having Cpy blebs. Broken ground.	80	15	1.5/1.5	2409	91.4	92.9	1.5	6.80	7.72	98.74			10.2	11.58	148.11
		93.5-94.9: Bleached phyllite. Greenish white.	40	8	1./5/1.5	2410	92.9	94.4	1.5	2.48	2.35	35.31			3.72	3.525	52.965
		Broken ground. Contact. Foliation=40°.	60	8	1.6/1.6	2411	94.4	96.0	1.6	5.25	6.21	79.54			8.40	9.936	127.64
		98.7: Bleached phyllite. Contact=35°. Foliation	70	10	1.4/1.5	2412	96.0	97.5	1.5	5.90	8.02	100.80			8.85	12.03	151.2
		marked by sulfide train-30. Greenish white.	70	10	1.4/1.5	2413	97.5	99.0	1.5	6.20	8.88	105.94			9.30	13.32	158.91
	99.0	END OF HOLE. Hole ends in mineralized bleached phyllite.															
						W.Av.	76.2	82.2	6.0	7.09	7.73	103.63			42.570	46.335	621.780
						W.Av.	85.3	88.3	3.0	4.34	3.62	63.6			13.02	10.875	190.800
						W.Av.	88.3	99.0	10.7	5.50	7.05	84.82			58.82	75.481	907.585



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 6 NOV 1984 10:00 AM

99.0 METRES



DDH: FAQU066 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)
ELEV: 1126 592229E 1905002N
PLUNGE ANGLE IS 11.0 TEND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 455.8 Z = 1126.1
SECTION NAME: 76W

DDH: FAGU066 -- 42 DEGREE PROFILE

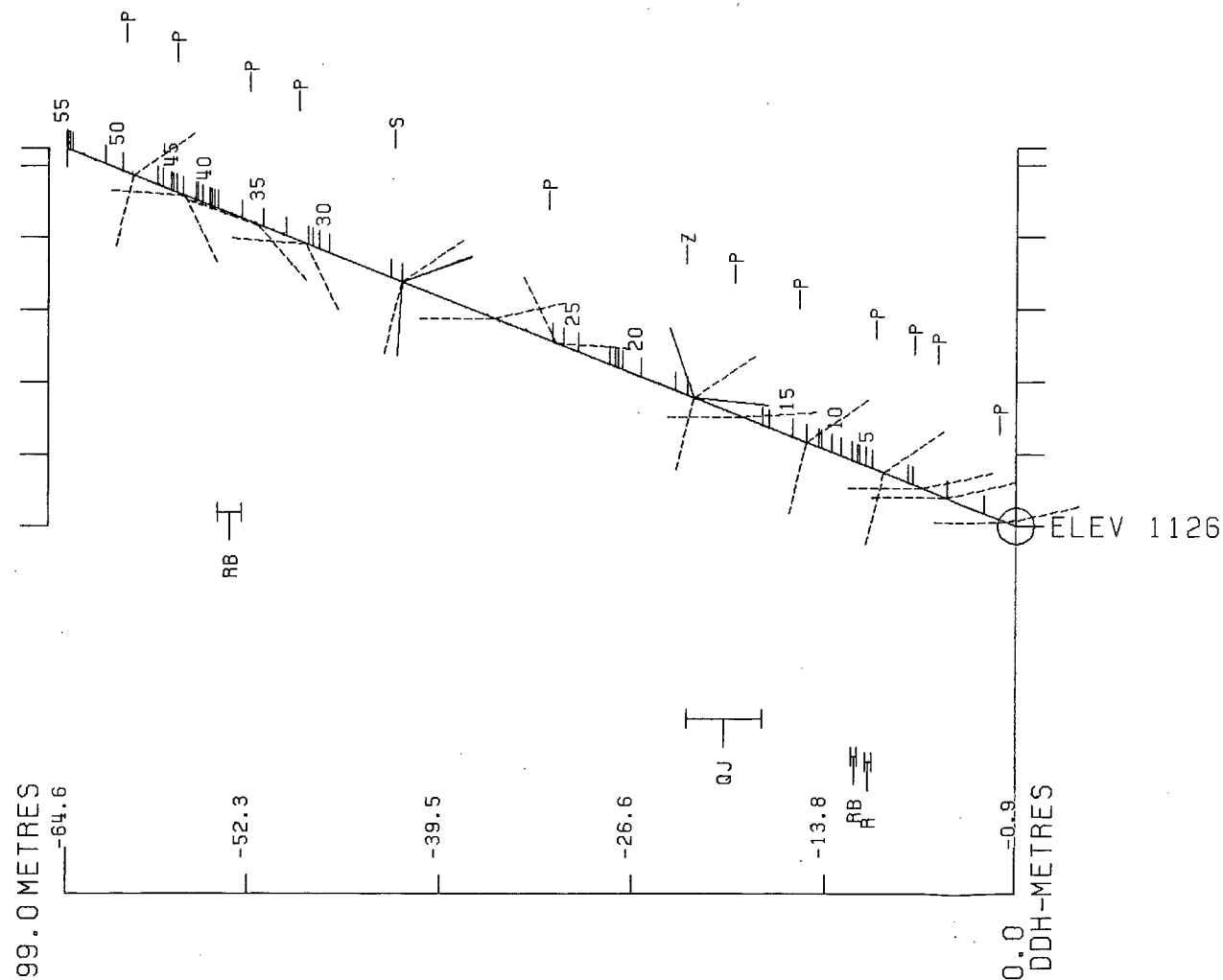
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1126 592229E ; 905002N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 455.8 Z = 1126.1

SECTION NAME: 76W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 6 NOV 1984 9:59 AM



FAGU073

DRILL HOLE : FAGU073
NORTHING : 905,044.5
EASTING : 592,186.6
ELEVATION : 1,115.4
TOTAL DEPTH : 121.9
SECTION : W 78
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 20
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 27
NOS DOWN-H-STRUCTURE: 23
NOS DOWN-H-FAULTS: 4
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 24

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

DEPTH	ZENITH	AZIMUTH
0.000	88.700	196.300

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

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.6	0001	4AC	(4A4) AT BASE	0.5-	1
12.0	0002	4D5	[4A41]	0.5-	1
13.4	0003	4A0		0.5-	1
23.2	0004	4A34	(4A3) AT TOP	0.5-	1
25.9	0005	4E4		0.5-	1
29.8	0006	4G4	(4E46)	0.5-	1
30.1	0007	5D4a		0.5-	1
31.6	0008	4E4		0.5-	1
32.6	0009	4E4	POROUS &#	0.5-	1
33.3	0010	5D4*		0.5-	1
33.8	0011	5D4*		0.5-	1
34.6	0012	4E0		0.5-	1
35.4	0013	4E4		0.5-	1
38.6	0014	5A0	(5A9)	0.5-	1
39.2	0015	4A4		0.5-	1
39.4	0016	4A0	GOUGE	0.5-	1
42.4	0017	4A0		0.5-	1
42.7	0018	4A0	(5D4*) GOUGE	0.5-	1
50.0	0019	5B62	(5A6)	0.5-	1
50.6	0020	10Q0		0.5-	1
53.1	0021	5B6		0.5-	1
53.6	0022	4L2		0.5-	1
55.4	0023	5B6		0.5-	1
62.8	0024	5B62	\$	0.5-	1
106.3	0025	5D3		0.5-	1
121.5	0026	5B38		0.5-	1
121.9	0027	5D3		0.5-	1

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

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

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

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGU073	39.2	39.4	G				0	0	0	0	1		
FAGU073	42.4	42.7	G				0	0	0	0	1		
FAGU073	50.0	50.6	Q				0	0	99	999	0	0	1
FAGU073	62.8	63.1	G				0	0	0	0	0	0	1

17NOV83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 28

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

DDH SEGMENT NOS COND INDICATOR

FAGU073 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

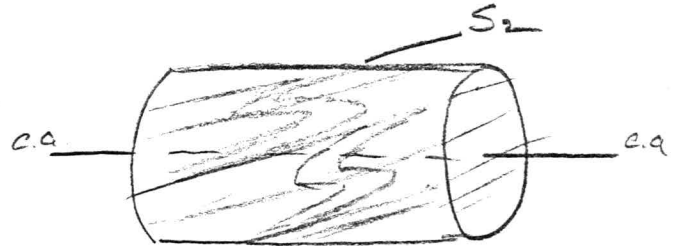
Hole Number: FAGU073 (76-4073)

Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLATEAU

Claim: —



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

*conversion of
K-A grid*
592186.6 E

Grid
Co-ords.: 3N

78 W

Elevation: 1115.4 M

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Total Depth: 121.9 M

Purpose: _____

Logged by: DSJ - JCS

Date(s) Logged: 24 Sept 1981

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

BQ 0 121.9M

Started: 2 May 1976 Completed: 3 May 1976

DDH FAGU.073
2 8

Cyprus Anvil Mining Corp.

Page 3 of 5

Lithologic Log

Date: 24 SEPT Logged By: DST - JGS

Code	From	To	Recov.	No.	Unit	Description
L	100	186		101	4A4	
L	186	120		102	4A5	[4A4]
L	120	134		103	4A0	
L	134	232		104	4A34	
L	232	259		105	4E4	
L	259	298		106	4G4	(4E46) non calc
L	298	301		107	5D4*	ANK 2-5% fusch + py.
L	301	316		108	4E4	
L	316	326		109	4E4	FOR ± CALC.
L	326	333		110	5D4*	fusch, py lith* K. Vary altered
L	333	338		111	5D4*	KAO6 V. ALT ULTIMATE of above unit 10.
L	338	346		112	4E0	fine Dms 40* K 1-2m frags Deposit Δ
L	346	354		113	4E4	
L	354	386		114	5A0	(5A9)
L	386	392		115	4A4	V. H. GRADE.
L	392	394		116	4A0	GOUGE ml ATT.
L	394	424		117	4A0	
L	424	427		118	4A0	(5D4*) GOUGE F. ML/ATT.
L	427	500		119	5B62	(5A6)
L	500	506		120	10Q0	11S2
L	506	531		121	5B6	
L	531	536		122	4L2	
L	536	554		123	5B6	
L	554	628		124	5B62	* DOL
L	628	1063		125	5D3	Top 3m GOUGE ml att. F. CONTACT
L	1063	1215		126	5B38	
L	1215	1219		127	5D3	
						END of HOLE

Structural Log

Date: 24 SEP 81 Logged By: DSJ-JSS.

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

ASSAY LOG (SAMPLER'S COPY)

Date 24 SEP 81 Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION	
	10	14	16	20		22	26	28	30				32
P	100		130		12211		130		118		4A41		
P	130		155		12212		125		125		4A41		
P	155		186		12213		131		130		4A41		
P	186		1103		12214		117		115		4D51		
P	1103		1120		12215		117		117		4D51		
P	1120		1134		12216		114		114		4A101		
P	1134		1154		12217		120		20		4A34		
P	1174		1174		12218		120		118		4A34		
P	1194		1194		12219		120		119		4A34		
P	1214		1214		12220		120		118		4A34		
P	1214		1232		12221		118		117		4A34		
P	1232		1259		12222		127		26		4E41		
P	1259		1279		12223		120		117		4G41		
P	1279		1298		12224		119		119		4G41		
P	1298		1316		12225		118		118		4E41	(504 .3m)	
P	1316		1326		12226		110		09		4E41	POB	
P	1326		1338		12227		112		112		(504)*	?	
P	1338		1354		12228		116		103		4E41	(4E0)	
												END of SAMPL.	

DIAMOND DRILL RECORD

LOGGED BY _____

FRED CHOW

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

PAGE 1

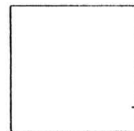
PROPERTY _____ VANGORDA - GRUM JOINT VENTURE

LATITUDE 10 481.072 3N STARTED MAY 2, 1976

DEPARTURE 7494.756 78W COMPLETED MAY 3, 1976

 ELEVATION 1126.003 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 121.9M

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



CLAIM No _____

 DIRECTION AND DISTANCE
 FROM N.E. CLAIM POST

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	13.3	QUARTZ-SULPHS-GRAPH-SER (P). Siliceous, light to med. gray															
		15-25% Py, 5% Ser-graph. Very siliceous and hard. F & F prominent, F & F mineralization. At 12.2m F dominant and all F mineralization.	1.6	2547	0	2.9	2.9	2.15	1.64	24.34							
		0±2.9m: 25 Py, 4 Pz.1 F =40°.	1.5	2548	2.9	4.4	1.5	0.66	0.45	10.97							
		-4.4m: 20 Py, 1 PZ, 0.2% arsenopy. F ₂ =30-40°. F ₁ sub-v	0.9	2549	4.4	5.3	0.9	3.28	2.70	35.31							
		-5.3m: 25 Py, 5 PZ, F ₂ =30-10°.	2.3	2550		7.6	2.3	4.45	7.84	52.46				10.235	18.032	120.66	
		-7.6m: 15 Py, 8 PZ, F ₂ =10-35°, F ₁ sub-v F ₂ .	1.4	2551		9.0	1.4	4.20	7.84	49.37				5.88	10.976	69.118	
		-9.0m: 20 Py, 10 Pz, F ₂ & F ₁ as above.															
		-10.7m: 15 Py, 8 PZ															
		-12.0m: 15 Py, 6.5 PZ, F =40°, F sub-v F ₂ .	1.7	2552		10.7	1.7	3.70	5.75	40.46				6.29	9.775	68.782	
		-13.3m: 4 Py, 0.7 PZ, F ₂ @ 0-20°; late quartz-sulphs filled fractures @ 45° to core.	1.3	2553		12.0	1.3	3.30	3.90	34.29				4.29	5.07	44.577	
13.3	23.2	QUARTZ-SULPHS-GRAPH-SER(P). Siliceous.															
		Similar rock as above but more pyritic and structure appear to be mainly F ₁	2.4	2554	12.0	14.4	2.4	0.60	0.88	12.00				1.44	2.112	28.8	
		13.3-14.4: 25 Py, 1.5 PZ. F ₂ @ 60°, F ₁ @ 0-3° undulating.	1.9	2556		17.1	1.9	2.75	4.75	50.40				5.225	9.025	95.76	
		-17.1: 30-40 Py, 5-6.5 PZ. F ₂ 30-40°, F ₁ @ 45-0°.	2.0	2557		19.1	2.0	2.98	6.80	46.29				5.96	13.6	92.58	
		-20.7: 35-30 Py, 8-9 PZ. F ₂ 45° @ 17.8m. F ₁ @ 30°.	1.6	2558		20.7	1.6	4.03	9.32	59.31				6.448	14.912	94.896	
		-23.2: 20 Py, 10 PZ. F 40° @ 20.7-23m, F ₁ 0-30°.	2.5	2559		23.2	2.5	3.58	7.94	53.49				8.95	19.85	133.79	

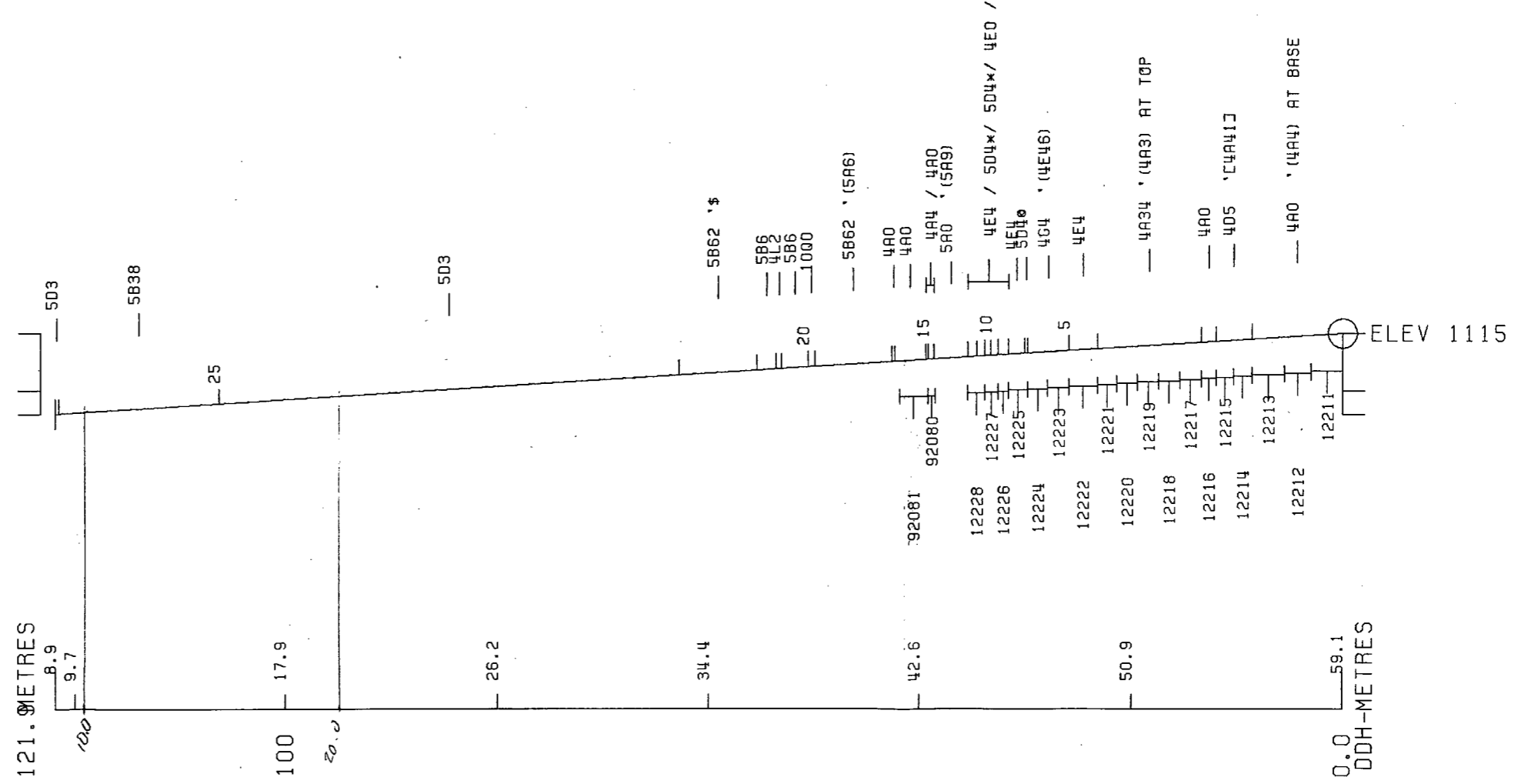
Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
23.3	29.8	MASSIVE SULPHIDES WITH BARITE (MB)															
		Mass. fig. pyrite, sphal, gal; 26.8-29.4m section with rich barite. Upper contact 25°, lower contact 50°.	1.2	2560	23.2	24.4	1.2	7.09	10.64	108.00				8.508	12.768	129.6	
		23.2-24.4: 70 Py, 20 PZ. Banding 30-40°.	0.9	2652		26.8	0.9	7.80	12.93	111.09				7.02	11.637	99.981	
		-26.8: 75 Py, 16 PZ. " " " "	2.4	2653		29.2	2.4	6.20	12.16	101.83				14.88	29.184	244.39	
		-29.2: 70 Py, 9 PZ, 10-15 Barite. Banding 40°.	0.6	2654		29.8	0.6	7.74	12.77	122.06				4.644	7.662	73.236	
		-29.8: 70 Py, 14 PZ, 5 Barite. Banding 30°.															
29.8	30.2	FUSCHITE-QUARTZ.															
		Pale green with white. Minor sulphs=1 Py, 0.3 PZ. CA: 35°. Lower contact 40°	0.4	2565	29.8	30.2	0.4	1.43	1.60	16.11				0.572	0.64	6.494	
30.2	32.5	MASSIVE SULPHIDES (MB,MV).															
		30.2-31.9m: Bands of high grade and Med. grade PZ; 65 Py, 24 PZ. Banding 40-50°.	1.7	2566	30.2	31.9	1.7	11.82	23.00	146.06				20.094	39.1	248.302	
		-32.5: Vuggy, 75 Py, 9 PZ. Lower contact @ 55°.	0.6	2567		32.5	0.6	9.32	15.68	160.46				5.592	9.408	96.276	
32.5	34.1	FUSCHITE-QUARTZ-ANKERITE (?) -SULPHS.															
		As 29.8-30.2m. 12 Pz pyritic bands @ 33.3-33.4m and 33.7-33.9m. Remaining rock 1-2 Py, 0.5 PZ. CA: 40°.	0.8	2568	32.5	33.3	0.8	0.26	0.15	8.91				0.208	0.12	7.128	
			1.2	2569		34.5	1.2	3.09	5.40	48.34				3.708	6.48	56.008	

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

DDH: FAGU073 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1115 592187E ; 905045N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 458.5 Z = 1126.9
 SECTION NAME: 76W

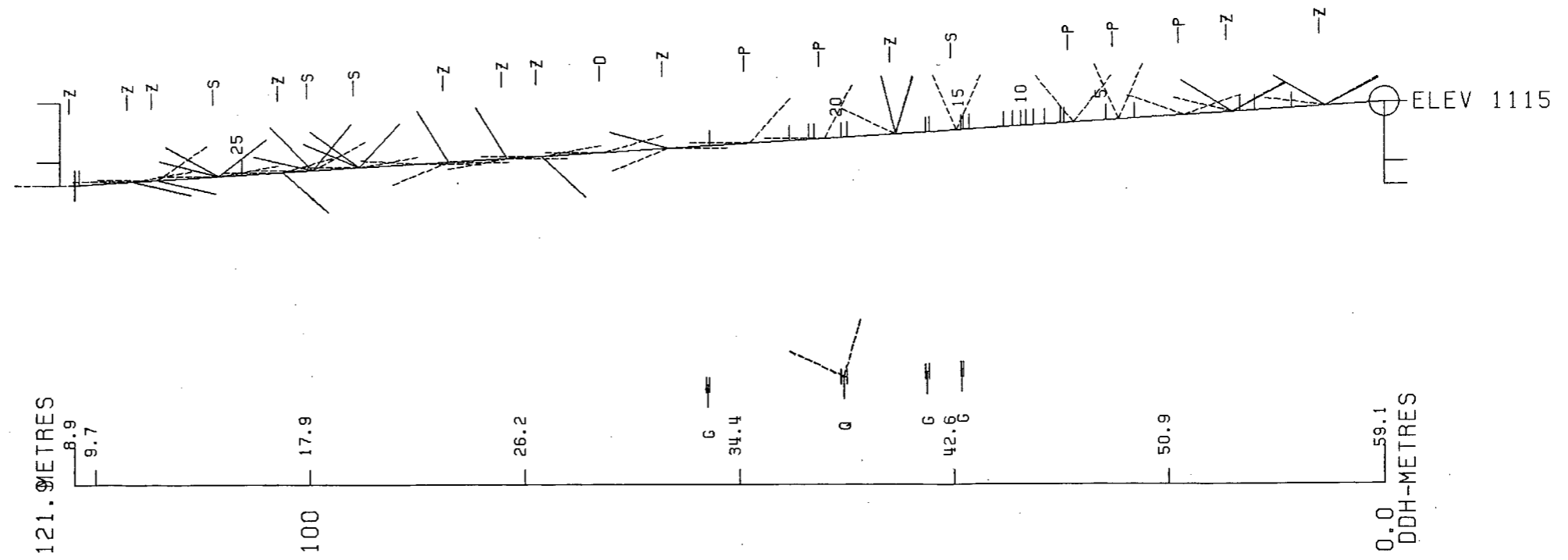
✱
 CYPRUS ANVIL MINING CORPORATION
 PROGRAM DH162 4 JUL 1985 1:41 PM



DDH: FAGU073 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1115 592187E ; 905045N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 458.5 Z = 1126.9
 SECTION NAME: 76W

✳
 CYPRUS ANVIL MINING CORPORATION
 PROGRAM DH161 4 JUL 1985 1:38 PM



FAGU081

DRILL HOLE : FAGU081
NORTHING : 905,040.5
EASTING : 592,262.3
ELEVATION : 1,127.2
TOTAL DEPTH : 38.1
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS GRE-SAMPLES: 11
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 8
NOS DOWN-H-STRUCTURE: 7
NOS DOWN-H-FAULTS: 5
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU081 UTM-N: 905,040.5 UTM-E: 592,262.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 38.1 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----													
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
9.1	9.7	07682	.6	.5	4A4	3.33	.05	3.99	3.49	55.99		1.10	4	9	14					
9.7	10.0	07683	.3	.3	4L0	3.00	.02	.38	.49	6.99		.34	2	3	5					
10.0	11.0	07684	1.0	1.0	4D4	3.02	.02	4.40	7.29	68.00	70.00	.81	1	2	3					
11.0	12.7	07685	1.7	1.7	4D4	3.06	.07	4.79	5.90	79.00		1.16	1	4	5					
12.7	15.0	07686	2.3	2.2	4A14	3.04	.07	3.60	3.29	52.00		1.10		4	5					
15.0	16.8	07687	1.8	1.8	4L1	2.89	.02	.96	.57	11.00		.81		2	2					
16.8	18.8	07638	2.0	2.0	4L1	2.95	.02	1.65	1.53	21.00		.47	1	1	2					
18.8	20.8	07689	2.0	1.9	4L1	2.95	.02	1.90	1.16	26.00		.62	1	2	3					
20.8	22.8	07690	2.0	2.0	4L1	2.93	.02	1.32	.69	19.00		.55	1	1	2					
22.8	24.8	07691	2.0	1.8	4L1	2.98	.02	1.76	.84	26.00		1.37	1	3	4					
24.8	26.4	07692	1.6	1.6	4L1	2.93	.01	2.70	2.39	34.00		.62	1	1	2					

WEIGHTED AVERAGE

9.1 26.4 17.3 16.8 2.98 .03 2.46 2.34 35.59 4.04 .84 1 2 4

21NOV83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 38

DDH: FAGU081 UTM-N: 905,040.5 UTM-E: 592,262.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 38.1 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: FAGU081 UTM-N: 905,040.5 UTM-E: 592,262.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 38.1 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
9.1	0001	3G0	(10Q0) (4L0) MINOR	0.5-	1
9.7	0002	4A4		0.5-	1
10.0	0003	4LC		0.5-	1
11.0	0004	4D4		0.5-	1
12.7	0005	4D4	SERICITIC	0.5-	1
15.0	0006	4A14	SERICITIC (4CC SERICITIC)MINOR	0.5-	1
26.4	0007	4L1	&2 &4 & PHYLLITE	0.5-	1
38.1	0008	3G16		0.5-	1

DDH: FAGU081 UTM-N: 905,040.5 UTM-E: 592,262.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 38.1 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD 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
FAGU081	0.0	3.4			0	0	0	0	50	230	0		1	1	1
FAGU081	0.0	7.7			0	0	0	0	80	230	C		1	1	1
FAGU081	0.0	13.6			0	0	0	0	60	230	0		1	1	1
FAGU081	0.0	19.0			0	0	0	0	70	230	0		1	1	1
FAGU081	0.0	25.0			0	0	0	0	55	230	C		1	1	1
FAGU081	0.0	30.7			0	0	0	0	70	230	0		1	1	1
FAGU081	0.0	36.6			0	0	0	0	75	230	C		1	1	1

21NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

DDH: FAGU081 UTM-N: 905,040.5 UTM-E: 592,262.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 38.1 SECTION: W 76
 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			
FAGU081	0.0	2.1	P		5		0	0	0	0	0	1	
FAGU081	11.1	12.0	R				0	0	0	0	0	1	
FAGU081	0.0	13.2	R				0	0	0	0	0	1	
FAGU081	15.0	15.2	R				0	0	C	C	0	0	1
FAGU081	16.2	16.6	RG				0	0	C	C	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 42

DDH: FAGU081 UTM-N: 905,040.5 UTM-E: 592,262.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 38.1 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU081 1 1

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 6
Date: _____

Hole Number: FAGU081

Project: Grum Releg

Location: Vangorda Plateau

Claim: _____

Terr. Plane Co-ords.: 6905040.5 N

592262.3 E

Grid Co-ords: 76 W

4N+9.1mN

Elevation: 1127.2

Total Depth: 38.1m

Purpose: _____

Reason hole Terminated: _____

Logged by: J. Modene

Date(s) Logged: July 18, 1981

Drilling Contractor: _____

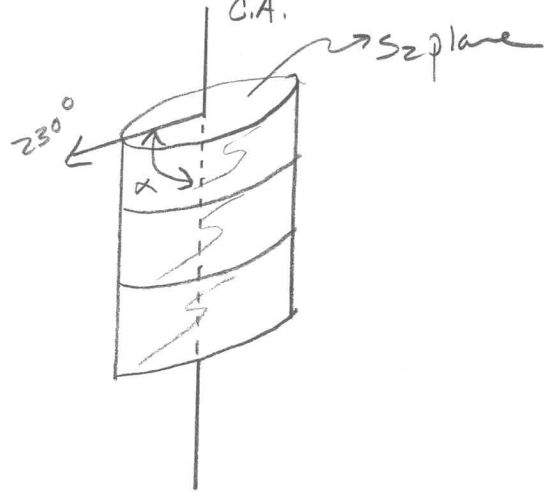
Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>38.1</u>	

Hole Cemented: _____

Steel down hole: _____

Started: 5/18/76 Completed: 5/18/76

Reference Fabric Orientation Diagram:



All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth 230°.

Conversion of RA Surveyed grid coordinates

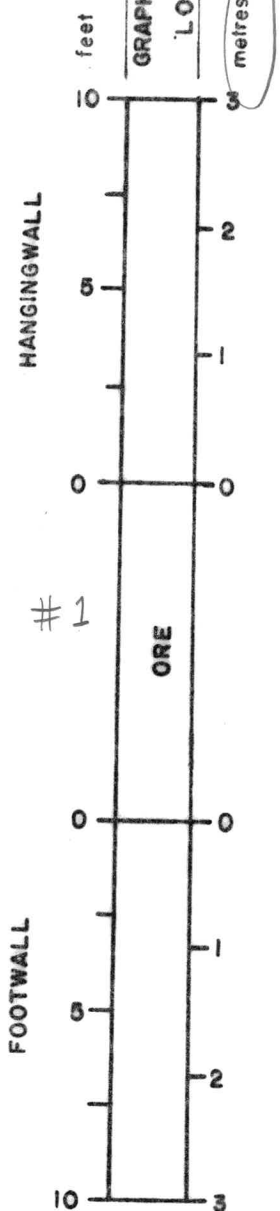
Lithologic Log

Date: July 18, 1981 / Logged By: J. Modene

Code	From	To	Recov.	No.	Unit	Description
L	100	91		1	3910	(1000/1/32) (40 @ 20cm f.w.)
L	91	97		2	4A4	w/ one thin band of go
L	97	100		3	420	
L	100	110		4	4D4	minor sericite
L	110	127		5	4D4	sericitic; rabbled 11.1-12.0
L	127	150		6	4A4	sericitic + phyllitic w/ minor (40 sericitic) rabbled @ 13.2
L	150	264		7	4L1	± 2.4 ± phyllite (sort of 4A-like) minor gouge @ f.w.
						rabbled 15.0-15.2,
						rubble + sandy gouge 16.2-16.6
						lower etc. gradational - slowly losing silica + picking up phyllitic mat'l
L	264	381		8	3916	minor disseminated base metals as well as py
						This is gradational w/ ore facies
						locally carbonaceous partings or sericitic but usually phyllitic
						EOH @ 38.1m
						Everything is gradational in this hole

GEOTECHNICAL LOG

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	0	metres	6.1	COMPETENT	$\frac{1.3}{10}$ 13%		390	
#1 ORE			9.1		SIZE OF CORE BQ			
0	0		26.4	split	SPLIT	SPLIT	3916	
10	3		29.4	COMPETENT	$\frac{1}{2}$ 50%	10cm		



DIAMOND DRILL RECORD

LOGGED BY _____

ALEXANDER YOUNG PO

D. D. H. NO 76-U-81

PAGE 1

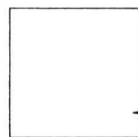
PROPERTY GRUM JOINT VENTURE

LATITUDE 10835.044 4N+9.1mN STARTED MAY 18, 1976

DEPARTURE 7570.330 76W X-CUT COMPLETED MAY 18, 1976

 ELEVATION 1137.789 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 38.1

HOLE SURVEY:		
DEPTH	BEARING	DIP



CLAIM NO _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 95.2%

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	SERICITE PHYLITE (S). Broken cores. Foliation=45-50°.	8.9		0	9.1	9.1											
		F =0-5° @ 6.2m. Rest of run show no distinct F -F relation 1 2 ship. Widely spaced sulfide trains following dominant foliation. Short bleached phyllite interval at end of run.																
		8.9-9.1: Bleached phyllite (Sb). First contact sharp =80°.																
		Buff coloured. Second contact-broken ground.																
9.1	27.4	QUARTZ-SULFIDE (P). Competent. F =80°-85°; F 15 10 2 1	1.4	2777	9.1	10.7	1.6	3.38	5.60	59.31			5.408	8.96	94.896			
		0-5°. Sulfides ff. both foliation. Short inter- 1 2 vening runs of bleached phyllite at 9.5-9.7.	1.2	2778	10.7	12.2	1.5	4.35	5.40	68.57			6.525	8.10	102.855			
		12.4-12.8: FAULT. Thick sticky gray gouge with sericite flecks.	2.7	2779	12.2	15.2	3.0	2.95	2.38	45.25								
		16.5-16.7: Sheared. Marked by sericite flakes.	2.6	2780	15.2	18.3	3.1	1.61	1.15	16.11			4.991	3.565	49.941			
		27.4-27.5: Sheared. Marked by sericite flakes.	3.0	2781	18.3	21.3	3.0	1.62	0.85	19.20			4.86	2.55	57.6			
27.4	37.5	SERICITE PHYLITE. Competent. Foliation=75-80°;	8	5	2.9	2782	21.3	24.4	3.1	2.03	0.78	22.28				6.293	2.418	69.068
		F 0-5° @ 35.3 but not always distinct. Sporadic 1 clots of sulfides as sph-Pb with Py.	8	5	3.0	2783	24.4	27.4	3.0	1.55	1.95	18.17				4.65	5.85	54.51
		27.9-28.1: Open fx. lined with quartz and clots of sulfides.	10.0/10.1				27.4	37.5										
					W.Av.		9.1	12.2	3.1	3.85	5.50	63.79				11.933	17.06	197.751
		37.5: Gradual change to Bleached Phyllite (Sb).			W.Av.		15.2	29.4	12.2	1.70	1.18	18.94				20.794	14.383	231.119

DDH: FAGU081 -- 42 DEGREE PROFILE

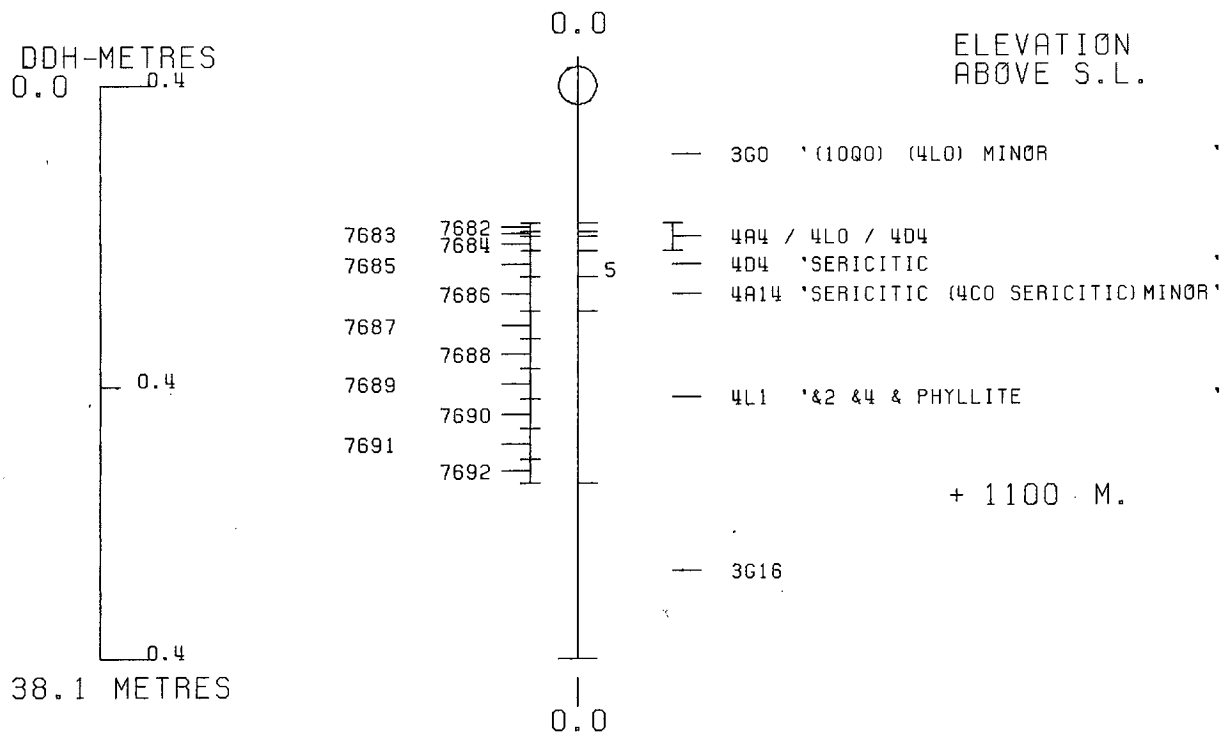
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1127 592262E ; 905041N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 506.2 Z = 1127.3

SECTION NAME: 76W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 6 NOV 1984 10:03 AM



DDH: FAGU081 -- 42 DEGREE PROFILE

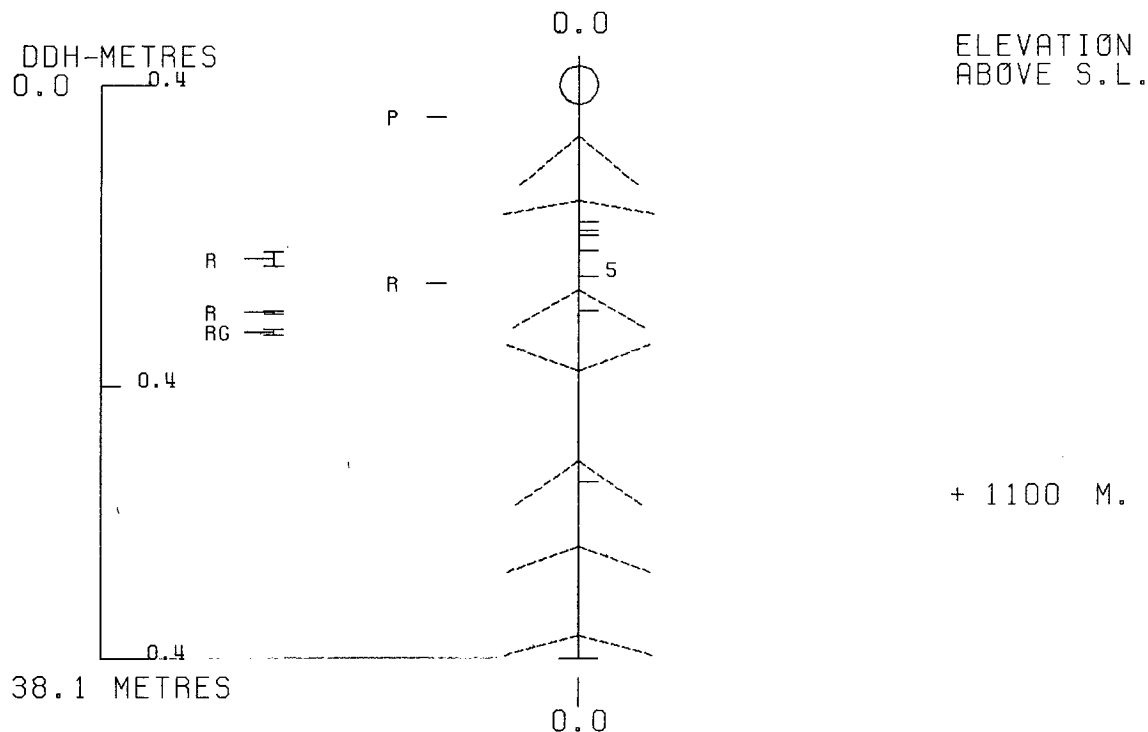
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1127 592262E ; 905041N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 506.2 Z = 1127.3

SECTION NAME: 76W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 6 NOV 1984 10:02 AM



FAGU083

DRILL HOLE : FAGU083
NORTHING : 905,040.7
EASTING : 592,262.7
ELEVATION : 1,131.5
TOTAL DEPTH : 38.1
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 10
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 15
NOS DOWN-H-STRUCTURE: 8
NOS DOWN-H-FAULTS: 19
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU083 UTM-N: 905,040.7 UTM-E: 592,262.7 UTM-ELEV: 1,131.5 TOTAL DEPTH: 38.1 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----																		
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.				
5.7	7.6	06799	1.9	1.5	4A41	3.14	.02	3.50	7.09	65.00		.68	4	4	8										
7.6	8.3	06800	.7	.7	4A10	3.12	.10	1.30	3.00	25.00	21.00	.81	3	10	14										
8.3	9.9	06901	1.6	1.1	5C4*	2.99	.02	.35	.56	11.00		.27	2	6	9										
9.9	11.3	06902	1.4	1.4	4A1	3.00	.05	1.25	1.93	24.00		.40	3	5	8										
11.3	13.7	06903	2.4	1.8	4L1	2.91	.05	.79	1.49	19.00		.40	2	4	6										
13.7	15.5	06904	1.8	.4	4L1	3.04	.07	1.16	2.70	25.00		.27	1	8	9										
15.5	16.6	06905	1.1	1.1	4A4	3.25	.01	3.20	6.79	58.99		.55	1	10	11										
16.6	17.8	06906	1.2	1.1	4E0	3.08	.02	7.29	1.47	120.99		.89	1	22	23										
17.8	20.5	06907	2.7	1.8	4A4	3.35	.01	4.09	9.69	89.00		.89	1	9	11										
20.5	23.5	06908	3.0	1.7	4E4	3.70	.05	3.99	13.30	122.99		.81	2	11	14										

WEIGHTED AVERAGE

5.7 23.5 17.8 12.6 3.20 .04 2.76 5.78 61.92 .82 .61 2 8 11

DDH: FAGU083 UTM-N: 905,040.7 UTM-E: 592,262.7 UTM-ELEV: 1,131.5 TOTAL DEPTH: 38.1 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	0.000	0.000

DDH: FAGU083 UTM-N: 905,040.7 UTM-E: 592,262.7 UTM-ELEV: 1,131.5 TOTAL DEPTH: 38.1 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
5.7	0001	3G0	[5B6]	0.5-	1
8.3	0002	4A10	84 (4L74) (10Q0) (4A47)	0.5-	1
9.9	0003	5C4*	1 (4A4) 92:08	0.5-	1
11.3	0004	4A1	(5C4@) MINOR	0.5-	1
13.7	0005	4L1	82 84	0.5-	1
15.5	0006	4L1	82 84 RUBBLE	0.5-	1
16.6	0007	4A4	81 BXA	0.5-	1
17.8	0008	4E4	(4D4) 75:25	0.5-	1
20.5	0009	4A4	(4E4)	0.5-	1
23.5	0010	4E4	(4A4) (4E1)	0.5-	1
28.6	0011	5B6.	[3G0] (5D4@) MINOR	0.5-	1
29.4	0012	5D4@	(5E0) (5A6)	0.5-	1
29.8	0013	5EC		0.5-	1
31.0	0014	5D0@		0.5-	1
38.1	0015	5B83		0.5-	1

DDH: FAGU083 UTM-N: 905,040.7 UTM-E: 592,262.7 UTM-ELEV: 1,131.5 TOTAL DEPTH: 38.1 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT SYMTRY	SD ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE CDE	DHDC	SDC	PROCESS	
FAGU083	0.0	1.5	CS2	0	0	60	230	0	1	1	1
FAGU083	0.0	6.3	CS2	0	0	61	230	0	1	1	1
FAGU083	0.0	11.7	CS2	0	0	69	230	0	1	1	1
FAGU083	0.0	16.8	PS2	0	0	71	230	0	1	1	1
FAGU083	0.0	24.7	PS2	0	0	52	230	0	1	1	1
FAGU083	0.0	28.2	PS2	0	0	60	230	0	1	1	1
FAGU083	0.0	31.0	CS2	0	0	52	230	0	1	1	1
FAGU083	0.0	36.6	CS2	0	0	61	230	0	1	1	1

DDH: FAGU083 UTM-N: 905,040.7 UTM-E: 592,262.7 UTM-ELEV: 1,131.5 TOTAL DEPTH: 38.1 SECTION: W 76
 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
FAGU083	0.0	0.1	1B		0	0	0	1
FAGU083	0.0	1.5	P		0	0	0	1
FAGU083	2.1	2.9	1B		0	0	0	1
FAGU083	0.0	4.3	1B		0	0	0	1
FAGU083	6.5	6.8	R		0	0	0	1
FAGU083	7.1	7.2	R		0	0	0	1
FAGU083	0.0	7.6	R		0	0	0	1
FAGU083	0.0	11.0	1X		0	0	0	1
FAGU083	11.0	11.3	B		0	0	0	1
FAGU083	13.7	15.5	RP		0	0	0	1
FAGU083	15.5	16.6	X		0	0	0	1
FAGU083	17.4	17.8	R		0	0	0	1
FAGU083	0.0	18.0	R		0	0	0	1
FAGU083	0.0	19.0	J		0	28	25C	1
FAGU083	0.0	21.3	R		0	0	0	1
FAGU083	0.0	22.5	R		0	0	0	1
FAGU083	0.0	22.8	R		0	0	0	1
FAGU083	0.0	23.1	R		0	0	0	1
FAGU083	0.0	34.1	1G		0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 35

DDH: FAGU083 UTM-N: 905,040.7 UTM-E: 592,262.7 UTM-ELEV: 1,131.5 TOTAL DEPTH: 38.1 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU083 1 1

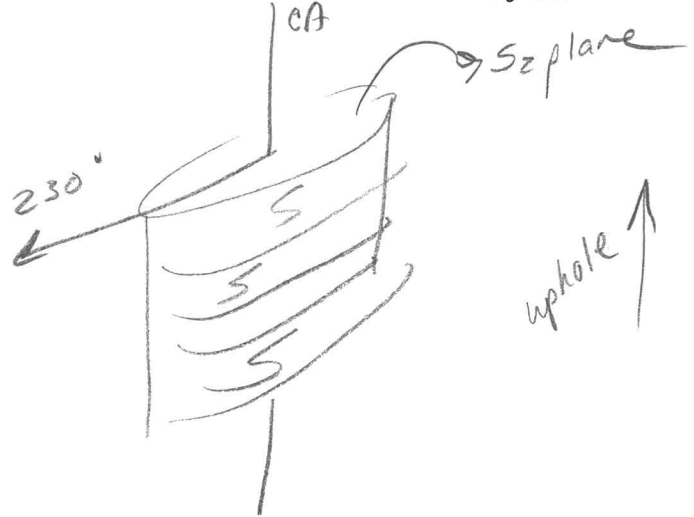
DIAMOND DRILL CORE LOG

Date: June 22, 1981

Hole Number: FAG 4083

Reference Fabric Orientation Diagram:

Project: Grum Relog (76W)



Location: Vangorda Plateau

Claim: _____

Terr. Plane Co-ords.: 6905040.7 N

592262.7 E

Grid Co-ords: 76W/4N

Elevation: 1131.5

NW with S₂ dipping

Total Depth: 38.1

SW with dip azimuth 230°.

Purpose: _____

Reason hole Terminated: _____

Logged by: JSM

Date(s) Logged: June 22-23 1981

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: 5/18/76 Completed: 5/20/76

Conversion of UTM KA surveyed grid coordinates

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	10.0	15.7		1	3G101	[5B6] grey phyllite; minor 10Q0, minor py Poor recovery, 0-1.5 Slightly broken core: 0.1; 2.1-2.9; 4.3; Lower etc intact, //S ₂
L	15.7	18.3		2	4A47 ¹⁰ +342 (phyllitic mat'l)	finely interbedded 4L74 5.7-5.8 10Q0 5.8-5.95 vuggy + Fe stained; 6.1-6.2 4A47 6.2-6.5 phyllitic rubble 6.5-6.8, 7.1-7.2, 7.6 lower etc broken
L	18.3	19.9		3	5C4*	ank and/or dolo.; mar. posite mottles; somewhat silicified (5C4*), 4A4 intbd 8.55-8.75
L	19.9	11.3		4	4A11	+342 finely interlaminated (5C4* ank thin intbd @ 10.9) slightly bxiated @ 11.0; broken core 11.0-11.3 Lower etc broken
L	11.3	11.37		5	4L11	±2, ±4; Lower etc rubbled
L	11.37	11.55		6	4L11	±2 ±4 as above unit but rubbled + poor recovery lower etc rubbled
L	11.55	11.66		7	4A44	±1, - mostly bxiated
L	11.66	11.78		8	4E4	(4D4 16.6-16.9) rubble 17.4-17.8 lower etc broken
L	11.78	20.5		9	4A44	(4E4) +342 (phyll mat'l) finely intb. lower etc broken; rubble @ 18.0
L	20.5	21.35		10	4E4	(4A4) (4E1) Rubble @ 21.3, 22.5, 22.8, 23.1 Lower etc broken
L	21.35	28.6		11	5B16	[3G0] (5D4* mass. ank, seric, w/ minor siliceous laminae 25.45 - 25.65 sharp etc @ Fw, grad @ #.w.) (5B26 @ E01) Lower etc grad. //S ₂
L	28.6	29.4		12	5D4*	ank, ser., massive w/ cc laminae

Meters

FAULT

DDH EAGU083
2 8

Cyprus Anvil Mining Corp.

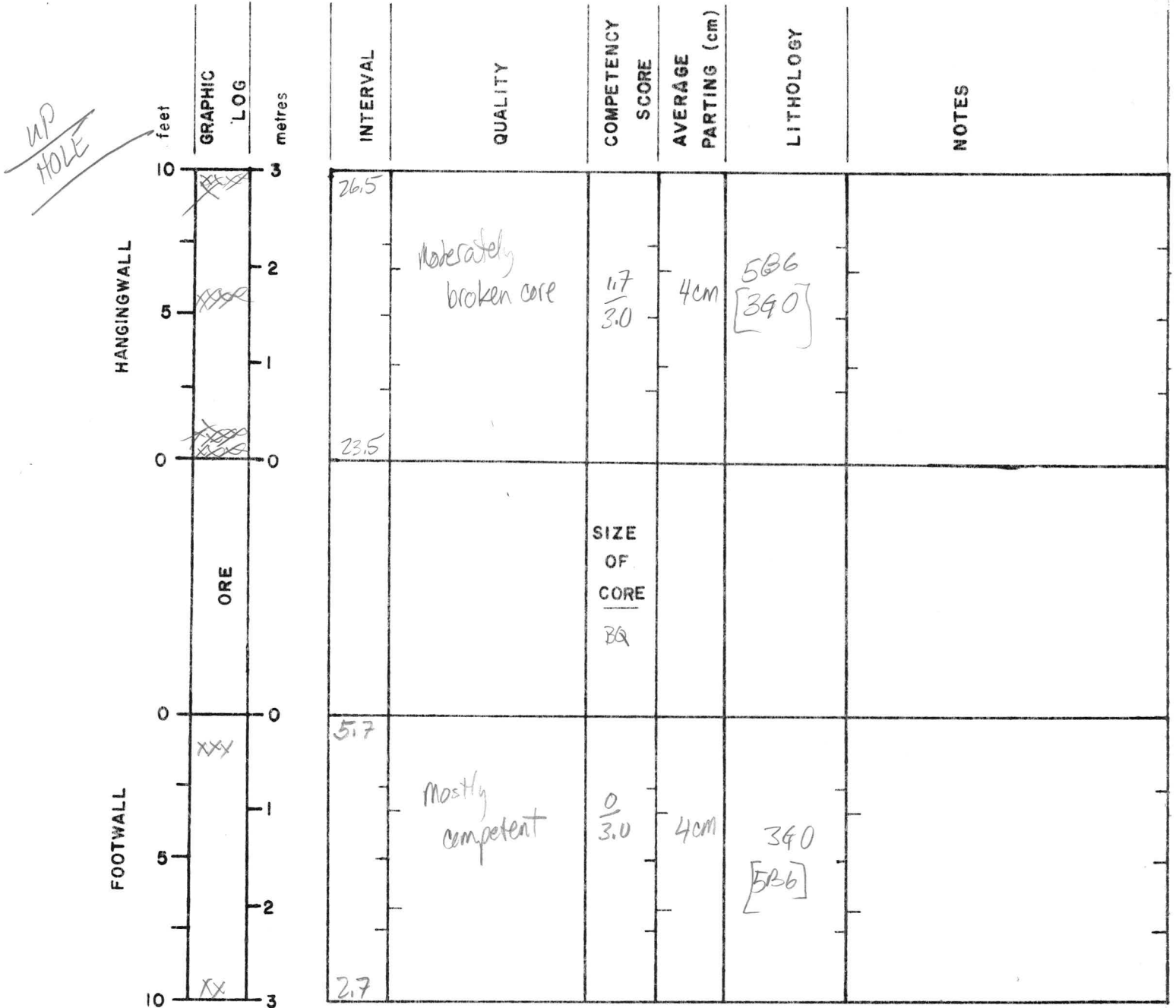
Page _____ of _____

Structural Log

Date: 31 Oct/82 Logged By: _____

Code	From				To				Feature	S ₀ Dip Direct.	S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	
F		100		115	P										poor recovery
F				101	B										} slightly broken core
F		121		129	B										
F				143	B										
F		165		168	R										} phyllitic rubble
F		171		172	R										
F				176	R										
F				110	X										slightly bxiated
F		1110		1113	B										broken core
F		1137		1155	R/P										rubbled & poor recovery
F		1155		1166	X										mostly bxiated
F		1174		1178	R										rubble
F				1180	R										rubble
F				1190	J				2B	250					fracture controlling bxiations in 4A 2B/250°
F				1213	R										} rubble
F				1225	R										
F				1228	R										
F				1231	R										
F				1314	1/G										minor gouge - clay + broken core

GEOTECHNICAL LOG



DIAMOND DRILL RECORD

LOGGED BY _____

ALEXANDER YOUNG PO

D. D. H. No 76-U-83

PAGE 1

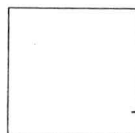
PROPERTY GRUM JOINT VENTURE

LATITUDE 10835.153 4N+9.5mN STARTED MAY 18, 1976

DEPARTURE 7570.732 76W/X-CUT COMPLETED MAY 20, 1976

 ELEVATION 1142.061 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 38.1M

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR		+90°

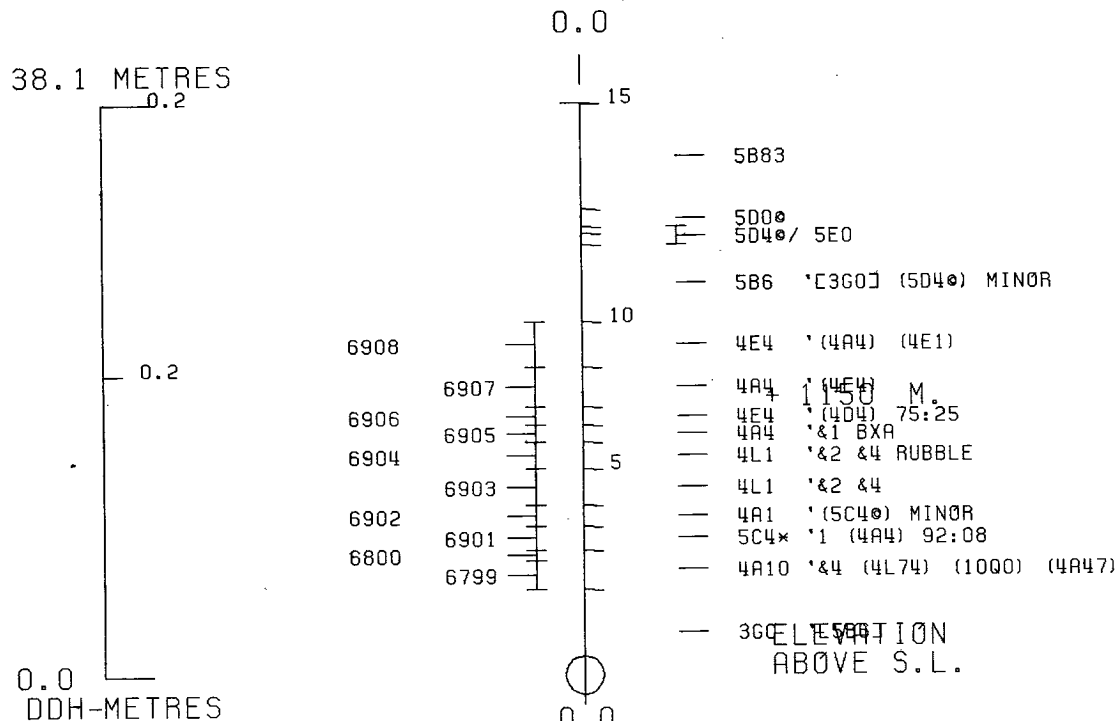


CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

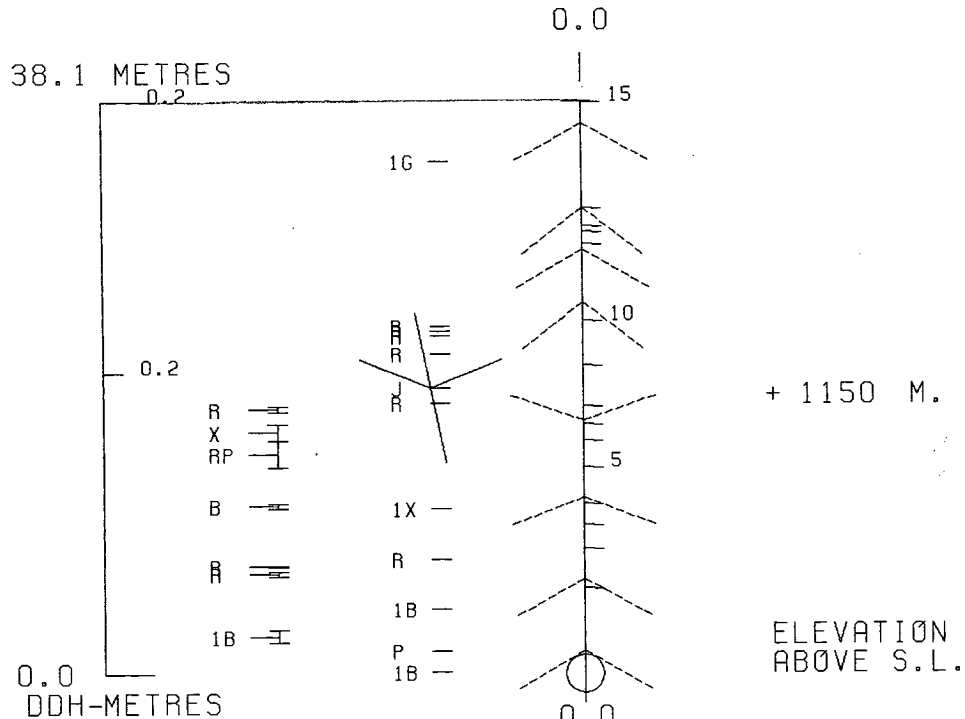
TOTAL CORE RECOVERY: 77.7%

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	6.0	SERICITE PHYLLITE (S). Fissile. Foliation=70-75°. No clear F indication. Clots and trains of sulfides sporadically distributed oftentime associated with bull quartz. 5.8-6.0: Bleached phyllite. Both contact=80°. Buff colored with spots of fuchsite.	5.0		0	6.0	6.0										
6.0	15.2	QUARTZ-SULFIDE (P). Hard broken core. Foliation 30 15 =80° usually followed by sulfide laminae. F appear 20 8 // F. Yellowish clay along open fx (pyromorphite?) 20 7 Intervening interval of bleached phyll. w/in the zone. 15 6 8.8-9.5: Mineralized Bleached phyllite (sb). Broken 15 6 ground. Prominent fuchsite spots//laminae. Fol.=80° 10 5 13.7-15.2: Very broken grd. Extremely poor recov. 50 8 Core=2-3 Ø fragments. No gougy material but plenty 75 6 of sericite flakes-appear to be shear zone. 60 8 15.2: Gradual increase of sulfides to massive sulfide type (M). 70 10	1.2	2784	6.0	7.6	1.6	3.83	6.40	63.42			6.128	10.24	101.47		
			1.0	2785	7.6	9.1	1.5	0.75	1.73	14.05			1.125	2.595	21.075		
			1.4	2786	9.1	10.7	1.6	1.05	1.20	18.17			1.68	1.92	29.072		
			1.5	2787	10.7	12.2	1.5	1.35	2.10	17.14			2.025	3.15	25.71		
			1.4	2788	12.2	13.7	1.5	1.08	1.40	18.17			1.62	2.10	27.255		
			0.3	2789	13.7	15.2	1.5	1.00	1.78	15.08			1.50	2.67	27.62		
			1.2	2790	15.2	16.8	1.6	3.60	7.28	56.57			5.76	11.648	90.512		
			1.3	2791	16.8	18.3	1.5	6.92	12.97	96.68			10.38	19.455	145.02		
			0.8	2792	18.3	19.8	1.5	3.48	7.44	55.54			5.22	11.16	83.31		
			0.9	2793	19.8	21.3	1.5	7.81	15.59	128.22			11.715	23.385	192.33		
			0.6	2794	21.3	22.9	1.6	6.62	12.81	103.88			10.592	20.496	166.21		
15.2	24.4	ZONE OF MASSIVE (M) AND MASSIVE BANDED TYPE ORE (MB) 50 6	0.5	2795	22.9	24.4	1.5	4.59	8.56	66.51			6.885	12.84	99.765		



DDH: FAGU083 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1132 592263E ; 905041N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 506.6 Z = 1131.6
 SECTION NAME: 76W



DDH: FAGU083 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1132 592263E ; 905041N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 506.6 Z = 1131.6

SECTION NAME: 76W

FAGU085

DRILL HOLE : FAGU085
NORTHING : 905,039.6
EASTING : 592,262.1
ELEVATION : 1,131.6
TOTAL DEPTH : 44.2
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 10
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 14
NOS DOWN-H-STRUCTURE: 8
NOS DOWN-H-FAULTS: 20
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU085 UTM-N: 905,039.6 UTM-E: 592,262.1 UTM-ELEV: 1,131.6 TOTAL DEPTH: 44.2 SECTION: W 76
 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											PC %	PY %	TOT FE									
8.9	10.7	06909	1.8	1.8	4A0	3.35	.16	.69	1.23	20.00		1.16	3	15	18								
10.7	12.2	06910	1.5	1.5	4A0	3.16	.08	.80	1.99	19.00	17.00	.47	3	6	9								
12.2	13.9	06911	1.7	1.3	4A0	2.97	.08	.64	1.37	15.99		.20	2	5	8								
13.9	14.4	06912	.5	.3	4A14	3.16	.05	2.60	6.70	44.00		.55	3	6	9								
14.4	15.2	06913	.8	.8	4E4	4.61	.01	.40	9.00	79.00		.81	1	33	34								
15.2	17.0	06914	1.8	1.8	4E4	4.67	.14	6.90	7.79	126.99		.81	1	26	28								
17.0	19.1	06915	2.1	1.5	4E4	4.70	.13	7.70	20.80	142.00		.95	1	25	26								
19.1	21.0	06916	1.9	1.8	4E4	4.67	.13	6.40	15.19	118.99		.95		29	30								
21.0	22.5	06917	1.5	1.5	4E4	4.09	.02	5.79	13.00	109.00		.89	1	21	23								
22.5	23.3	06918	.8	.8	4E51	2.89	.02	3.70	8.40	63.99		1.10	1	20	21								

WEIGHTED AVERAGE

8.9 23.3 14.4 13.1 3.94 .09 3.99 9.09 79.47 1.77 .80 1 19 21

DDH: FAGU085 UTM-N: 905,039.6 UTM-E: 592,262.1 UTM-ELEV: 1,131.6 TOTAL DEPTH: 44.2 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	24.900	227.000

DDH: FAGU085 UTM-N: 905,039.6 UTM-E: 592,262.1 UTM-ELEV: 1,131.6 TOTAL DEPTH: 44.2 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.9	0001	3G0	[5B6] (5D4) MINOR	0.5-	1
13.9	0002	4A0	(4A31) (5D4)	0.5-	1
14.4	0003	4A14	3 CRACKLE BXA	0.5-	1
21.0	0004	4E4	SOME BXA	0.5-	1
22.5	0005	4E4	(4A3)	0.5-	1
23.3	0006	4E51	4 BXA	0.5-	1
23.6	0007	4A0	BXA	0.5-	1
26.1	0008	5B2	(5A0) (5B2\$)	0.5-	1
27.6	0009	4L0	(5D4a)	0.5-	1
28.3	0010	5B34	[5E0]	0.5-	1
29.8	0011	5D4a		0.5-	1
30.3	0012	5B34	[5E0]	0.5-	1
38.1	0013	5B3		0.5-	1
44.2	0014	5B0	RUBBLE	0.5-	1

DDH: FAGU085 UTM-N: 905,039.6 UTM-E: 592,262.1 UTM-ELEV: 1,131.6 TOTAL DEPTH: 44.2 SECTION: W 76
 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
FAGU085	0.0	1.7	CS2	0	0	47	230	0	1	1	1
FAGU085	0.0	6.4	CS2	0	0	47	230	0	1	1	1
FAGU085	0.0	11.8	CS2	0	0	45	230	0	1	1	1
FAGU085	0.0	18.0	CS2	0	0	55	230	C	1	1	1
FAGU085	0.0	27.0	CS2	0	0	60	230	0	1	1	1
FAGU085	0.0	31.5	CS2	0	0	45	230	C	1	1	1
FAGU085	0.0	32.5	PS2	0	0	45	230	0	1	1	1
FAGU085	0.0	36.9	PS2	0	0	50	230	0	1	1	1

DDH: FAGU085 UTM-N: 905,039.6 UTM-E: 592,262.1 UTM-ELEV: 1,131.6 TOTAL DEPTH: 44.2 SECTION: W 76
 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		
FAGU085	0.0	1.5	RP		0		0	0	0	0	1	
FAGU085	13.6	13.9	R				0	0	0	0	1	
FAGU085	13.9	14.4	XQ				0	0	0	0	1	
FAGU085	14.4	15.2	P				0	0	0	0	1	
FAGU085	14.4	16.9	X1R				0	0	0	0	1	
FAGU085	0.0	17.8	1B				0	0	0	0	1	
FAGU085	0.0	19.2	1B				0	0	0	0	1	
FAGU085	0.0	19.7	1B				0	0	0	0	1	
FAGU085	16.9	21.0	1X				0	0	0	0	1	
FAGU085	21.0	21.2	XD?				0	0	0	0	1	
FAGU085	21.3	21.6	XD?				0	0	0	0	1	
FAGU085	22.5	23.3	XD?				0	0	0	0	1	
FAGU085	23.3	23.6	XJ				0	0	0	0	1	
FAGU085	23.6	26.1	B1G				0	0	0	0	1	
FAGU085	26.1	26.6	B				0	0	0	0	1	
FAGU085	31.5	31.7	G				0	0	99	999	0	1
FAGU085	33.0	33.3	B				0	0	0	0	0	1
FAGU085	34.0	34.8	BR				0	0	0	0	0	1
FAGU085	37.4	38.0	BR				0	0	0	0	0	1
FAGU085	38.1	44.2	R				0	0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 28

DDH: FAGU085 UTM-N: 905,039.6 UTM-E: 592,262.1 UTM-ELEV: 1,131.6 TOTAL DEPTH: 44.2 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGUC85 1 1

DIAMOND DRILL CORE LOG

Date: June 22, 1981

Hole Number: FAG 4085

Project: Grum Relog (76W)

Location: Vangorda Plateau

Claim: _____

Terr. Plane Co-ords.: 6905039.6 N

592262.1 E

Grid Co-ords: 76W / 4N+8.4mN

Elevation: 1131.6

Total Depth: 44.2m

Purpose: _____

Reason hole Terminated: _____

Re
Logged by: JSM

Date(s) Logged: June 22 1981

Drilling Contractor: _____

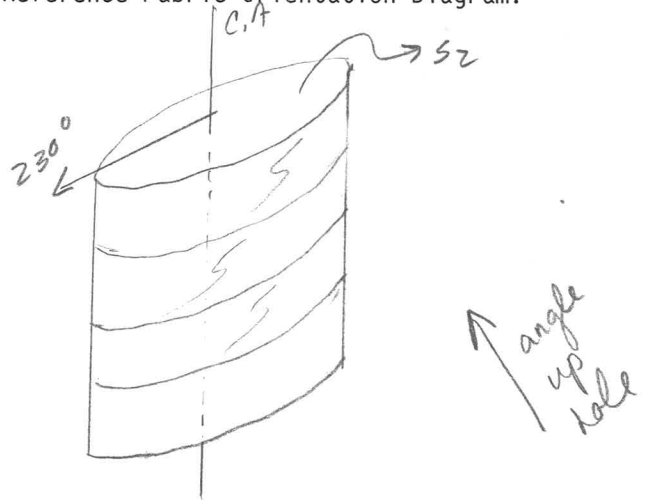
Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>44.2</u>	

Hole Cemented: _____

Steel down hole: _____

Started: 5/20/76 Completed: 5/21/76

Reference Fabric Orientation Diagram:



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

*conversion of
KA surveyed grid
locations
to UTM*

Lithologic Log

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	100	189		1	39101	[5B6] grey phyllite; minor (10cm) 1000; minor thin SD4 sericite w/masip blebs beds @ 8.1m. Rubble ^(0.5) from 0-1.5. Lower etc rubble
L	189	139		2	41401	+362 (phyllitic mat'l) finely interbedded. Becomes (4A3) very pyrite rich (grading to 4E1) @ 9.8-10.0. Thin intbd of SD4 w/masip blebs @ 9.1 Rubble 13.6-13.9 + Kerr Addison assays show 4A4 12.2-13.7 but visually very low grade. Lower etc rubble
L	139	144		3	41A113	crackle bad + vuggy. Minor FeMgCO ₃ . Lower etc rubble
L	144	210		4	41E41	high grade orange sphalerite. Poor rec'y 14.4-15.2. Bria + fracturing prevalent to 16.9; Rubble @ 15.0. Minor broken core @ 17.8 + 19.2, 19.7. Sporadic bria + fracturing below 16.9 Lower etc broken Very minor FeCO ₃
L	210	225		5	41E41 (4A3)	4E4 w/ graphitic phyllite clasts (unoriented) to 21.2 4E4 bria 21.3-21.6 4A3 21.6-22.2
L	225	233		6	41E51	bria 4E0 fragments in a 4A matrix + etc. Lower etc rubble
L	233	236		7	41A01	bria + steeply fractured Lower etc rubble
L	236	261		8	5B21	(5A0) (5B2* Dolo) Completely broken core, minor gouge. Lower etc rubble
L	261	276		9	41L0	(SD4* sericitic, ankeritic, minor masip. blebs 271-276) Broken core to 26.6 Lower etc broken
L	276	283		10	5B34	incipient white mica development, strongly calc, [5E0] phyllitic marble. (Locally more than 50% calc.) Lower etc sharp, //S ₂
L	283	298		11	5D41*	ank, sericitic, minor siliceous laminae Lower etc sharp, //S ₂
L	298	303		12	5B34	[5E0?] as unit 10 but more phyllitic so less like SE Lower etc sharp, //S ₂
L	303	381		13	5B31	change to grey mica; locally (e.g. @ 33.4) becomes very calc rich, grading toward SE) gouge 31.5-31.7; Broken 32.0-33.3;

plus sericite, low stds.
+1 @ 101

low stds

DDH F.A.G.U.D.8.5
 2 8

Cyprus Anvil Mining Corp.

Page 4 of 7

Lithologic Log

Date: _____ Logged By: JSM

Code	From				To				Recov.				No.				Unit				Description		
	10	14	16	20	22	24	26	28	30	34	35	10	14	16	20	22	24	26	28	30		34	35
																							broken + rubbled 34.0-34.8, 37.4-38.1
																							Minor 1000
																							lower etc rubbled
L		38				44														1A	5B/D		? Complete rubble sand + small pebble size rubble
																							39.7-42.7 slightly larger size rubble
																							EOH
																							Note faults through this hole not shown on KA section.

Structural Log

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				117	C512						47	2310	
S				164	C512						47	2310	
S				118	C512						45	2310	S ₂ in 4A
S				180	C512						515	2310	comp bndg in 4E4
													No attitudes on rubble & breccia zones until unit #7: stp fractures @ 15° to C.A. → Don't put too much faith in this More rubble w/o attitudes
S				1270	C512						60	2310	
S				1315	C512						415	2310	gouge @ 31.5 seems to cut core // S ₂ 45°/230°
S				1325	P512						415	2310	
S				1369	P512						50	2310	Top of major fault zone shows no attitude

FAULT

DDH F.A.G.U.085
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

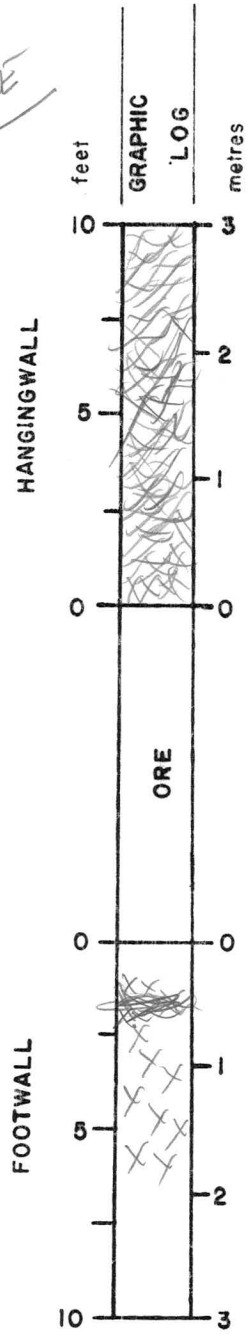
Structural Log

Date: 31 Oct/83 Logged By: _____

Code	From			To			Feature	Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24			26	28	Dip	Direct.	Dip	Direct.	
F		100		115			R/P	0							rubble w/ poor recovery 7% recovery
F		1136		1139			R								rubble
F		1139		1144			X/Q								crackle bxa + vuggy
F		1144		1152			P								poor recovery
F		1144		1169			X/R								bxiations + fracturing, rubble @ 15.0
F				1178			11B								} minor broken core
F				1192			11B								
F				1197			11B								
F		1169		1210			11X								sporadic bxiations & fracturing
F		1210		1212			X								graphitic phyllite clasts in 4E4 matrix
F		1213		1216			X								4E4 bxa
F		1225		1233			X								4E0 frags in 4A+gts matrix
F		1233		1236			X/J								bxa + steep features
F		1236		1261			B/IG								broken core, minor gauge
F		1261		1266			B								broken core
F		1315		1317			G			9.9	9.9	9.9			gauge
F		1330		1333			B								broken
F		1340		1348			B/R								} brken + rubble
F		1374		1380			B/R								
F		1381		1442			R								complete rubble, sand + small pebble sized rubble

GEOTECHNICAL LOG

UP HOLE



INTERVAL	QUALITY	COMPETENCY SCORE	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
26.3	Incompetent Broken, rubbled, minor gouge	$\frac{0}{3.0}$	2cm	4A bxi 5B2 (5A)	
23.3		SIZE OF CORE BQ			
8.9	→ rubble 8.4-8.7 Moderately competent	$\frac{0.1}{3.0}$	3cm 5cm	3G0	
5.9					

DIAMOND DRILL RECORD

 LOGGED BY ALEXANDER YOUNG PO

 D.D.H. No 76-U-85 PAGE 1

 PROPERTY GRUM JOINT VENTURE

 LATITUDE 10834.141 N 4N+8.4mN STARTED MAY 20, 1976

 DEPARTURE 7570.116 E 76W/X-CUT COMPLETED MAY 21, 1976

 ELEVATION 1142.226 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 44.2m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	227° 02'	+65° 07'

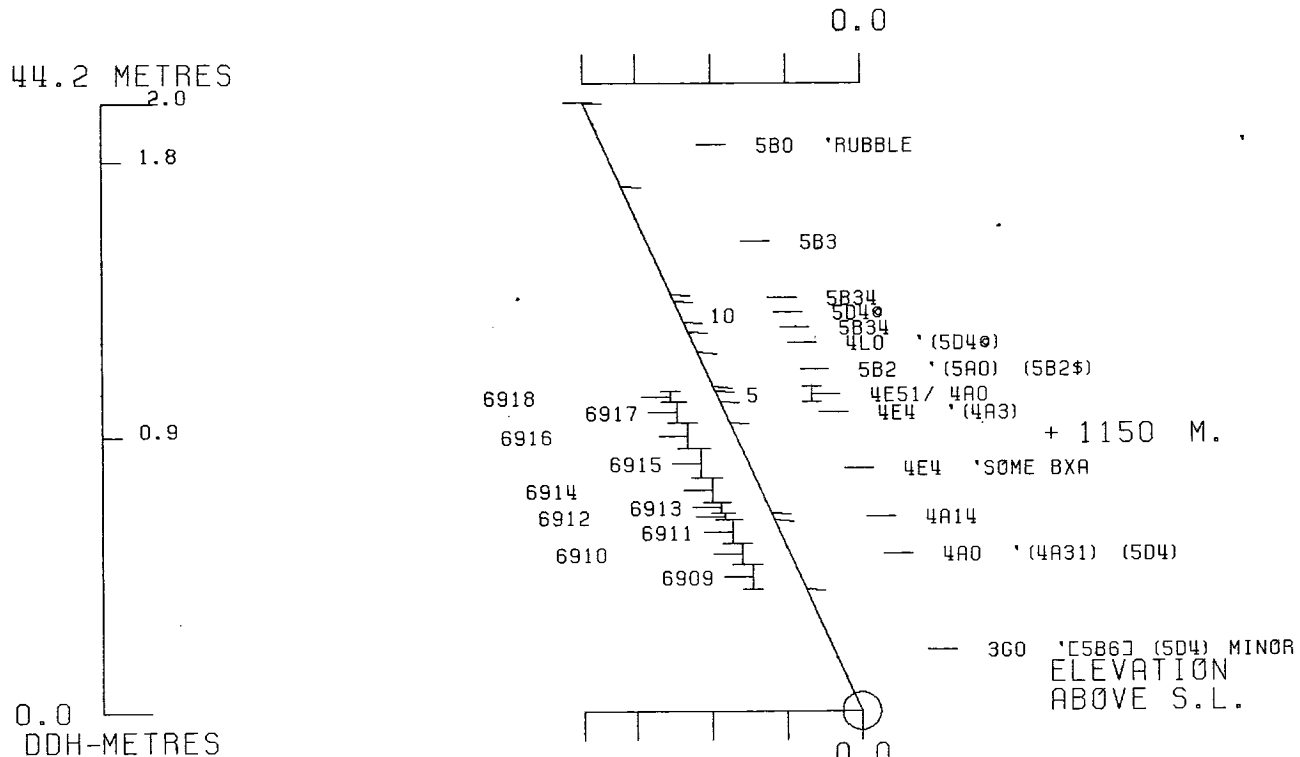


CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

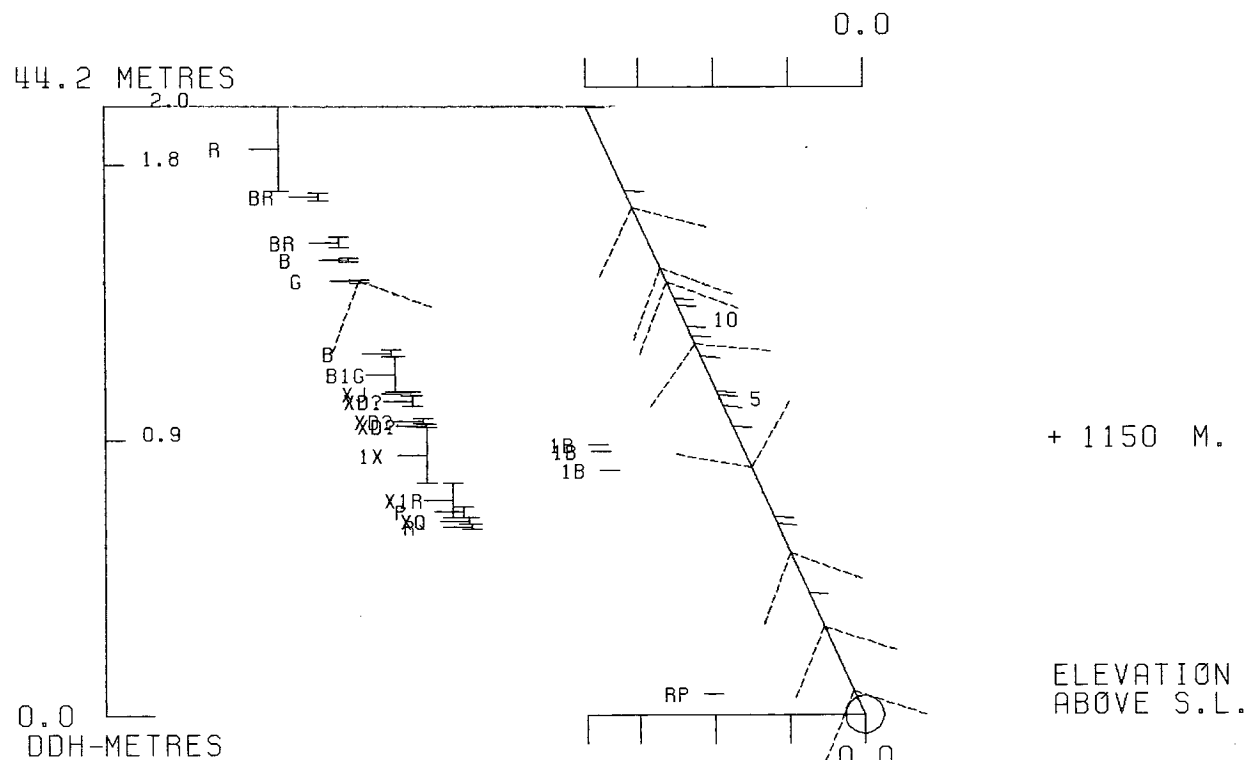
TOTAL CORE RECOVERY: 48.8%

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	7.6	SERICITE PHYLITE (S). Fissile. Foliation=50°. F -0-10°. 1 Sporadic clots of sulfides. 7.6: Gradual change to bleached phyllite 9sb).	4.5		0	7.6											
7.6	8.1	BLEACHED PHYLITE. Broken ground. Mineralized. Buff-green colour with laminae of sulfides evenly distributed. 10 4	1.3	2796	7.6	9.1	1.5	0.83	1.00	17.14				1.245	1.50	25.71	
		8.1: Gradual change to Qtz-Sulfide (Pg) w/trace of graph. 30 5	1.5	2797	9.1	10.7	1.6	0.63	1.13	13.03				1.008	1.808	20.848	
8.1	13.7	QTZ-SULPHIDE W/ TRACE OF GRAPHITE (P+g). Competent, 20 6 except for some short broken intervals. Foliation 20 6 =45-70°. F =10°. 1 10.0: Fold nose. 80 15 13.7: Broken ground contact w/massive sulphide. 80 10	1.3	2798	10.7	12.2	1.5	0.93	1.93	16.11				1.395	2.895	24.165	
		20 6 0.8 2799 12.2 13.7 1.5 0.58 1.20 10.97	0.8	2799	12.2	13.7	1.5	0.58	1.20	10.97				0.87	1.80	16.455	
		70 8 0.9 2800 13.7 15.2 1.5 4.10 8.96 62.40	0.9	2800	13.7	15.2	1.5	4.10	8.96	62.40				6.15	13.44	93.60	
		80 15 1.3 2901 15.2 16.8 1.6 7.12 17.45 114.17	1.3	2901	15.2	16.8	1.6	7.12	17.45	114.17				11.392	27.92	182.672	
		80 10 1.4 2902 16.8 18.3 1.5 7.22 22.48 120.00	1.4	2902	16.8	18.3	1.5	7.22	22.48	120.00				10.83	33.72	180.00	
13.7	23.2	MASSIVE SULFIDE (M). Generally dense except for 80 12 short runs of porous variety. Compositional bands 75 12 =35°. Barite prisms lining some cavity walls. 76 8	1.2	2903	18.3	19.8	1.5	5.32	17.28	87.77				7.98	25.92	131.655	
		75 12 1.5 2904 19.8 21.3 1.5 6.40 11.30 98.74	1.5	2904	19.8	21.3	1.5	6.40	11.30	98.74				9.60	16.95	148.11	
		76 8 1.9 2905 21.3 23.2 1.9 5.63 11.09 84.69	1.9	2905	21.3	23.2	1.9	5.63	11.09	84.69				10.697	21.071	160.911	
					7.6	13.7	6.1	0.74	1.31	14.29				4.518	8.003	87.178	
		13.7-14: Broken ground. Could be FAULT. Phyllite, quartz, sulphide fragments (pebble-sand size) associated w/some			13.7	23.2	9.5	5.96	14.63	94.41				56.649	139.021	896.948	



DDH: FAGU085 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1132 592262E ; 905040N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 505.4 Z = 1131.6
 SECTION NAME: 76W



DDH: FAGU085 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1132 592262E ; 905040N
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 505.4 Z = 1131.6
SECTION NAME: 76W

FAGU087

DRILL HOLE : FAGU087
NORTHING : 905,038.7
EASTING : 592,260.3
ELEVATION : 1,127.2
TOTAL DEPTH : 61.0
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 1
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 20
NOS DOWN-H-STRUCTURE: 11
NOS DOWN-H-FAULTS: 5
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU087 UTM-N: 905,038.7 UTM-E: 592,260.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 61.0 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----													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 %		BA %
55.0	56.6	07311	1.6	1.2	4A10 3.49	.11	1.31	3.60	33.00		.55	2	14	16						
WEIGHTED AVERAGE																				
55.0	56.6		1.6	1.2	3.49	.11	1.31	3.60	33.00		.55	2	14	16						

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 17

DDH: FAGU087 UTM-N: 905,038.7 UTM-E: 592,260.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 61.0 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	143.100	223.700

DDH: FAGU087 UTM-N: 905,038.7 UTM-E: 592,260.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 61.0 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
2.2	0001	#		0.5-	1
2.7	0002	10Q0		0.5-	1
12.0	0003	3G0	(10Q0)	0.5-	1
13.5	0004	3G0		0.5-	1
13.8	0005	4A4		0.5-	1
14.5	0006	5C3@		0.5-	1
15.2	0007	3G0		0.5-	1
15.7	0008	4L14		0.5-	1
21.3	0009	4LC	&1 &7 &a ALL MINOR	0.5-	1
22.1	0010	3G4		0.5-	1
37.2	0011	3G0		0.5-	1
50.1	0012	3G0	&8 (CHLOR.+ BIO) [308]	0.5-	1
51.6	0013	4L0	RUBBLE	0.5-	1
52.9	0014	5C*4	3 [5F43] (4L1)	0.5-	1
53.7	0015	5C3\$		0.5-	1
55.0	0016	4L1	&a	0.5-	1
56.4	0017	4A10	&3 (4A4)	0.5-	1
56.6	0018	4E64	#	0.5-	1
59.9	0019	5B3	(5A3)	0.5-	1
61.0	0020	5B6	(5A6)	0.5-	1

DDH: FAGU087 UTM-N: 905,038.7 UTM-E: 592,260.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 61.0 SECTION: W 76
 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			
FAGU087	2.2	2.8	Z	0	0	1	0	70	230	0	1	1	1
FAGU087	0.0	7.7	S	0	0	0	0	75	230	0	1	1	1
FAGU087	0.0	13.7	P	0	0	0	0	78	230	0	1	1	1
FAGU087	0.0	20.0	P	0	0	0	0	72	230	C	1	1	1
FAGU087	0.0	26.0	Z	0	0	0	0	72	230	0	1	1	1
FAGU087	0.0	32.0	Z	0	0	77	180	69	230	0	1	1	1
FAGU087	0.0	38.0	M	0	0	0	0	68	230	0	1	1	1
FAGU087	0.0	44.0	Z	0	0	0	0	80	230	C	1	1	1
FAGU087	0.0	48.0	Z	0	0	76	0	67	230	0	1	1	1
FAGU087	0.0	54.0	S	0	0	0	0	79	230	0	1	1	1
FAGU087	0.0	60.0	S	0	0	0	0	68	230	0	1	1	1

DDH: FAGU087 UTM-N: 905,038.7 UTM-E: 592,260.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 61.0 SECTION: W 76
 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	
FAGU087	0.0	2.2	NP				0	0	0	0	1
FAGU087	2.2	2.7	Q				0	0	0	0	1
FAGU087	15.2	15.7	Q				0	0	0	0	1
FAGU087	50.1	51.6	PRQ	2			0	0	0	0	1
FAGU087	0.0	55.0	XR				0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 21

DDH: FAGU087 UTM-N: 905,038.7 UTM-E: 592,260.3 UTM-ELEV: 1,127.2 TOTAL DEPTH: 61.0 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU087 1 1

DIAMOND DRILL CORE LOG

Date: 15 July/81

Hole Number: FAGU-087 (76-U-87)

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

Location: SECTION 76 W

Claim: _____

UTM
Terr. Plane
Co-ords.: 6 905 038.7m N

592 260.3m E

Grid
Co-ords: 4N + 6.7m NE

76 W

Elevation: 1127.2m

Total Depth: 61.0m

Purpose: GRUM DEPOSIT DEFINITION.

Reason hole Terminated: BEYOND MAIN SULPHIDE ZONE

Logged by: GG

Date(s) Logged: 14-15 July/81

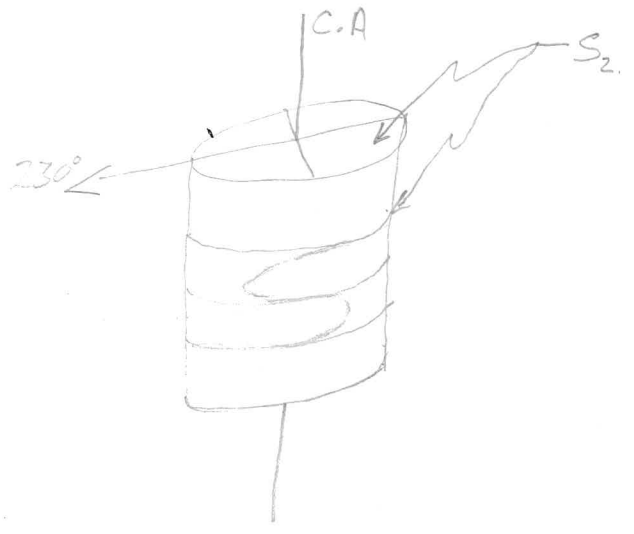
Drilling Contractor: CAMERON MCCUTCHEON

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0.0</u>	<u>61.0m</u>	
_____	_____	_____	
_____	_____	_____	

Hole Cemented: _____

Steel down Hole: _____

Started: May 23/76 Completed: May 24/76



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

KA surveyed
grid location

DDH FAGU 087
 2 8

Cyprus Anvil Mining Corp.

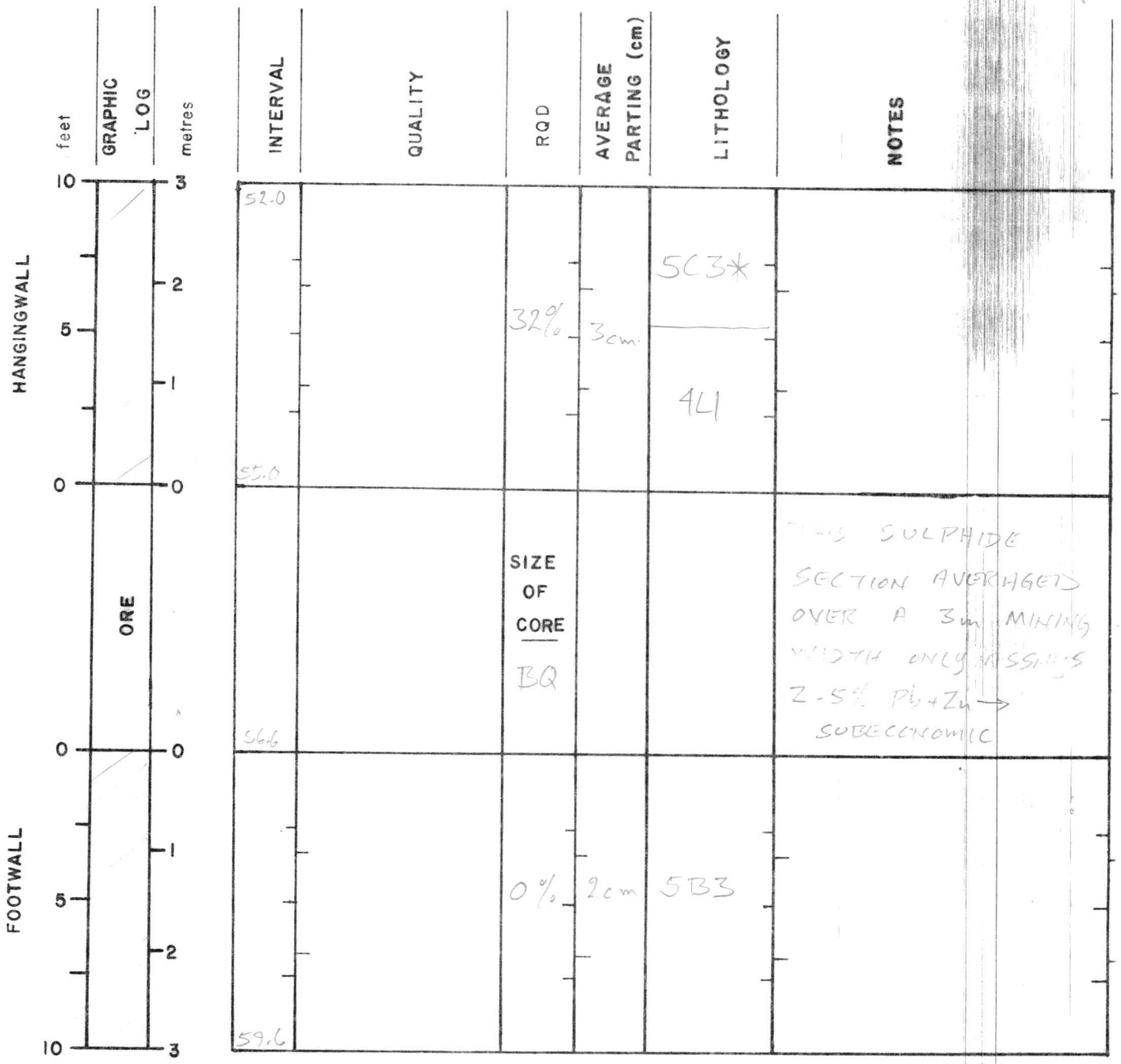
Lithologic Log

Date: 14 July 81 Logged By: GG

UNITS = METRES

Code	From				To				Recov.	No.	Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28					30	34
L		00		22					0.01	*	No RECOVERY			
L		22		27					2	10Q01	+ (3GZ ^{QZ VN} BRECCIA)	IRREG. ~ 1/2		
L		27		120					3	3G2	± SERICITIC ± FINE GRAINED; NUMEROUS 2-10cm QZ VNS GENERALLY 1/2 THROUGHOUT UNIT (= 2% OF UNIT).	1/2		
L		120		135					4	3G2	SERICITIC, FINE GRAINED;	1/2		
L		135		138					5	4A4		1cm QZ VN 1/2		
L		138		145					6	5C3*	-ANK	PROB 1/2		
L		145		152					7	3G2		1/2		
L		152		157					8	4L14	+ QZ VN BRECCIA	2cm QZ VN		
L		157		213					9	4L01	(± 1 ± 7 ± * ANK → all minor)	GRADES 30cm	1/2	
L		213		221					10	3G42		1/2		
L		221		372					11	3G2	SERICITIC, FINE GRAINED + (3G42 TOWARD H/W)	1/2		
L		372		501					12	3G2	FINE GRAINED ± SERICITE ± 8 = BRIGHT GREEN CHLORITE OFTEN ASS'D WITH QZ VNS; [3D8] TRACE SULPHIDE ~ P0 + FY 2% OF UNIT = ^{2-10cm} QZ VNS ~ 1/2	10cm QZ VN		
L		501		516					13	4L01	+ QZ VN COARSE RUBBLE; 0.4m RECOVERY	RUBBLE;		
L		516		529					14	5C3*4	BANK/DOLO + (4L1); 20.5% PUCHSITO	2cm QZ VN 1/2		
L		529		537					15	5C3*	^{DOLO} 5% 2mm CHLORITE SPOTS;	~ 1/2		
L		537		550					16	4L11	± * → ANK TOWARD 0.3m F/W;	RUBBLE		
L		550		564					17	4A1	± 3 + (4A4) - PHYL + C PARTINGS; 10cm 4A3 BRECCIA + FINE RUBBLE @ H/W ENT;	3cm 4A3-QZ HEALED BRECCIA		
L		564		566					18	4E64	* CALC; HONEY SPHAL;	PROB 1/2		
L		566		599					19	5B3	HIGH GRADE; + (5A3) - V. CALC. - NOTE THIS MEANS THIS IS 1/2	1/2		
L		599		610					20	5B6	+ (5A6)			
END OF HOLE @ 61.0m														

GEOTECHNICAL LOG



DIAMOND DRILL RECORD

LOGGED BY _____

ALEXANDER YOUNG PO

D.D.H. No 76-U-87

PAGE 1

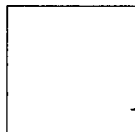
PROPERTY GRUM JOINT VENTURE

LATITUDE 10833.250 4N+6.7MNE STARTED MAY 23, 1976

DEPARTURE 7568312 76W XC COMPLETED MAY 24, 1976

 ELEVATION 1137.839 M PROPOSED DEPTH _____
 ULTIMATE DEPTH 61.0

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	223° 41'	-53° 04'



CLAIM No _____



DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 94%

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay				Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	50.3	SERICITE PHYLLITE (S). Foliation=75-80°. F =0-10°. Sporadic sulfide showing widely spaced. Short intervals of bleached phyllite (sb)=19.8-20; 23.4-23.5 50.3: Contact with faulted bleached phyllite (Sb). Contact (whatever can be distinguished=45°).	49		0	50.3											
50.3	55.0	BLEACHED SERICITE PHYLLITE (Sb). Faulted in first 15m. and rest are fissile. Buff-greenish colour (may contain tiny specks of chlorite). Foliation=75-80°; F 0-5°. Sporadic thin laminae and clots of sulfides. 50.3-51.8: FAULT. Extremely poor core recovery-Pebbles of quartz and bleached phyllite fragments. 52.3: Nose. 55.0: Broken contact with mineralized graphitic phyllite.	3.2		50.3	55.0											
55.0	56.5	MINERALIZED GRAPHITIC PHYLLITE (Sg). Fissile. Foliation =80° marked by graphite-sulfide-quartz alternating laminae.															
		Py 20 PbZn 2	1.3	2906	55.0	56.5	1.5	1.92	3.23	35.31							

DDH: FAGU087 -- 42 DEGREE PROFILE

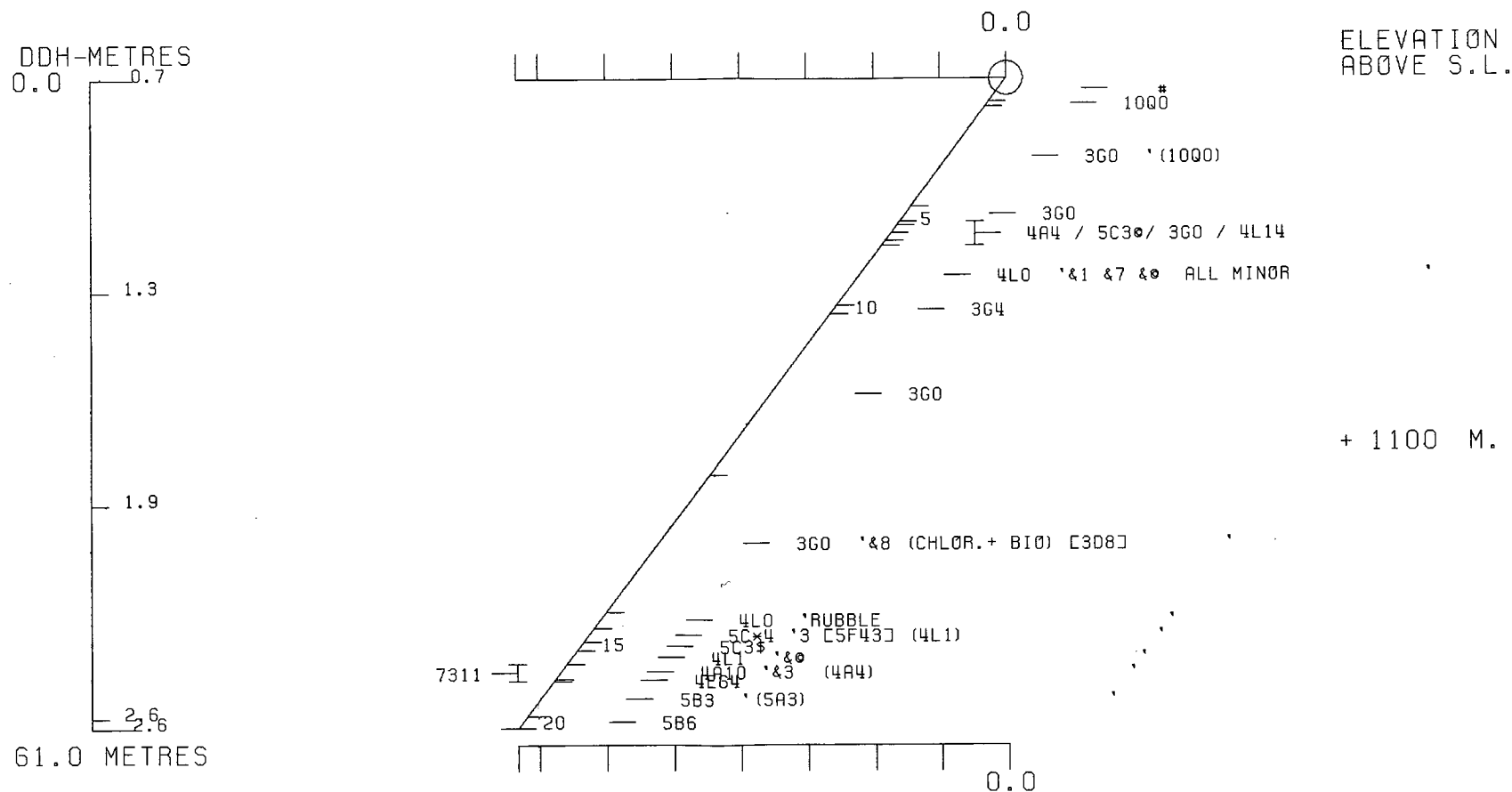
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1127 592260E ; 905039N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 503.5 Z = 1127.3

SECTION NAME: 76W



DDH: FAGU087 -- 42 DEGREE PROFILE

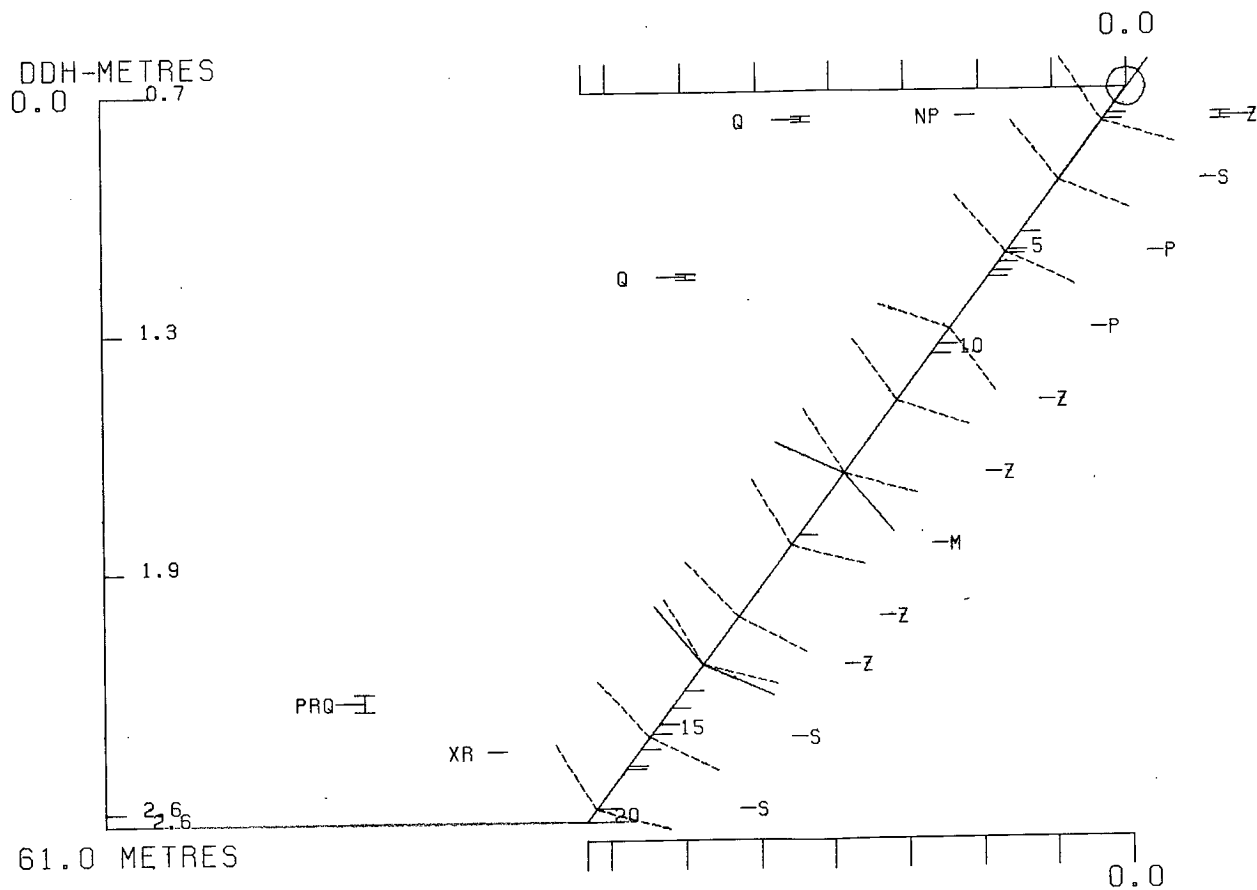
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1127 592260E ; 905039N


PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 503.5 Z = 1127.3

SECTION NAME: 76W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 8 NOV 1984 9:43 AM



FAGU089

DRILL HOLE : FAGU089
NORTHING : 905,025.9
EASTING : 592,251.3
ELEVATION : 1,130.7
TOTAL DEPTH : 38.1
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 19
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 18
NOS DOWN-H-STRUCTURE: 8
NOS DOWN-H-FAULTS: 5
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU089 UTM-N: 905,025.9 UTM-E: 592,251.3 UTM-ELEV: 1,130.7 TOTAL DEPTH: 38.1 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----																	
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.			
.0	1.1	07056	1.1	1.1	4L12	3.08	.07	.72	2.06	15.99		.47	1	6	7									
1.1	3.0	07057	1.9	1.5	4C0	3.04	.11	.62	1.28	13.99		.95	1	7	8									
3.0	4.8	07058	1.8	1.8	4L12	3.10	.02	2.08	4.20	38.00	30.99	.47		1	2									
4.8	6.7	07059	1.9	1.9	4L12	2.93	.02	1.63	3.70	31.99		.47	1	1	2									
6.7	9.1	07060	2.4	2.4	4L12	3.02	.05	.75	1.13	13.99		.55	1	4	5									
9.1	11.0	07061	1.9	1.9	4L12	4.01	.08	.99	1.10	20.00		.47	1	6	7									
11.0	12.2	07062	1.2	1.2	4A10	2.91	.05	1.57	2.29	30.99		.81		4	5									
12.2	14.8	07063	2.6	2.6	4L12	2.89	.02	.40	2.00	31.99		.55	1	2	3									
14.8	15.2	07064	.4	.4	4D0	2.91	.02	1.73	4.59	26.00		.47	1	1	2									
15.2	16.8	07065	1.6	1.5	4L12	2.87	.02	2.02	4.79	39.00		.40		1	2									
16.8	18.3	07066	1.5	1.5	4L12	2.87	.02	1.42	2.79	27.00		.40	1	2	3									
18.3	19.8	07067	1.5	1.2	4E4	4.45	.17	8.69	15.99	126.99		1.70		26	27									
19.8	21.8	07068	2.0	1.3	4E4	4.73	.13	7.70	15.40	158.00	150.00	1.16		27	28									
21.8	24.1	07069	2.3	1.8	4E41	3.89	.02	7.59	17.19	145.00		1.37	1	17	19									
24.1	26.4	07070	2.3	2.2	4E4	4.38	.07	10.00	22.00	165.00		1.23	1	21	22									
26.4	26.9	07071	.5	.5	4A14	3.33	.11	1.86	5.90	31.99		.47	5	15	20									
26.9	28.4	07072	1.5	1.5	4E41	4.38	.10	8.50	16.60	155.00		1.16	2	14	17									
28.4	30.5	07073	2.1	.7	5A61	2.99	.02	.53	1.12	13.99		.14	1	3	5									
30.5	31.7	07074	1.2	.6	4E41	4.09	.11	8.69	12.80	170.00		1.58	2	18	20									

WEIGHTED AVERAGE

.0 31.7 31.7 27.6 3.49 .06 3.65 7.45 68.77 11.22 .79 1 9 11

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 10

DDH: FAGU089 UTM-N: 905,025.9 UTM-E: 592,251.3 UTM-ELEV: 1,130.7 TOTAL DEPTH: 38.1 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	35.700	201.400

DDH: FAGU089 UTM-N: 905,025.9 UTM-E: 592,251.3 UTM-ELEV: 1,130.7 TOTAL DEPTH: 38.1 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.1	0001	4L12	84 [400 SERICITIC]	0.5-	1
3.0	0002	400	SERICITIC [4L12]	0.5-	1
6.7	0003	4L12	4[400 SERIC](5C4)(4A1&4 PHYLL)	0.5-	1
11.0	0004	4L12	84 [400 V. SERICITIC]	0.5-	1
12.2	0005	4A10	PHYLLITIC (10Q0)(4L0)	0.5-	1
14.8	0006	4L12	4 [400 V. SERICITIC]	0.5-	1
15.2	0007	400	[4L124]	0.5-	1
16.8	0008	4L12	4 [400 SERICITIC]	0.5-	1
18.3	0009	4L12	4 [400 SERICITIC]	0.5-	1
21.8	0010	4E4	8 POROUS-MINOR	0.5-	1
24.1	0011	4E41	5 (4A43)	0.5-	1
26.4	0012	4E4		0.5-	1
26.9	0013	4A10	(401) BXA	0.5-	1
28.4	0014	4E41	(404)	0.5-	1
30.5	0015	5A6	81	0.5-	1
31.7	0016	4E41	(404)	0.5-	1
33.0	0017	5A6		0.5-	1
38.1	0018	5B8	82 (5D4\$) MINOR	0.5-	1

DDH: FAGU089 UTM-N: 905,025.9 UTM-E: 592,251.3 UTM-ELEV: 1,130.7 TOTAL DEPTH: 38.1 SECTION: W 76
 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	
FAGU089	0.0	4.5	PS2	0	0	32	230	0	1	1	1
FAGU089	0.0	10.0	PS2	0	0	50	230	0	1	1	1
FAGU089	0.0	15.8	PS2	0	0	42	230	0	1	1	1
FAGU089	0.0	18.1	PS2	0	0	32	230	0	1	1	1
FAGU089	0.0	23.8	PS2	0	0	52	230	0	1	1	1
FAGU089	0.0	28.5	PS2	0	0	55	230	0	1	1	1
FAGU089	0.0	33.4	PS2	0	0	40	230	0	1	1	1
FAGU089	0.0	37.6	PS2	0	0	42	230	0	1	1	1

DDH: FAGU089 UTM-N: 905,025.9 UTM-E: 592,251.3 UTM-ELEV: 1,130.7 TOTAL DEPTH: 38.1 SECTION: W 76
 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	
FAGU089	18.3	21.8	RXD				0	0	0	0	1
FAGU089	25.9	26.2	1R				0	0	0	0	1
FAGU089	26.4	26.9	XD?				0	0	0	0	1
FAGU089	28.4	30.5	P				0	0	0	0	1
FAGU089	29.0	30.5	P	0			0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 14

DDH: FAGU089 UTM-N: 905,025.9 UTM-E: 592,251.3 UTM-ELEV: 1,130.7 TOTAL DEPTH: 38.1 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU089 1 1

DIAMOND DRILL CORE LOG

Date: _____

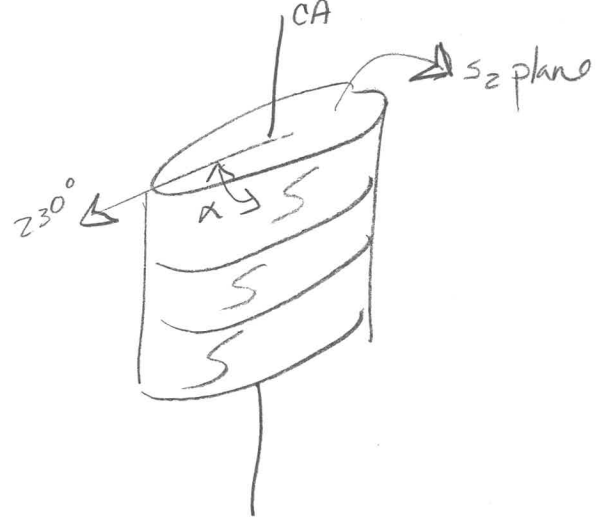
Hole Number: FA4U089

Reference Fabric Orientation Diagram:

Project: Grum Releg 76W

Location: Vangorda Plateau

Claim: _____



Terr. Plane Co-ords.: 6905025.9 N

592251.3 E

Grid Co-ords: 76W/2N

Elevation: 1130.7

NW with S₂ dipping

Total Depth: 38.1m

SW with dip azimuth 230°.

Purpose: _____

Reason hole Terminated: _____

Logged by: Janet Modene

Date(s) Logged: _____

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: 5/24/76 Completed: 5/25/76

Concession of ATM KA surveyed grid

Lithologic Log

Date: _____ Logged By: J. Modene

→ uphole
#W. etc

Code	From	To	Recov.	No.	Unit	Description	
L	10 14	16 20	22 24	26 28	30 34	35	
L	10 0	11 1		1	4L112 ±4	[400 sericitic] ~2% PbZn	broken
L	11 1	30		2	4C1A sericitic [412]	~1.5% PbZn	
						less sericite than unit #1	broken
L	13 0	16 7		3	4L112 4	6-7% PbZn [4D0 very sericitic]	
						(5C4 marposite 5.4-5.6m)	
						(4A1 ±4 phyllitic 6.2-6.5m; same rock but phyllite rather than sericite)	broken
L	16 7	11 0		4	4L112 ±4	1-3% PbZn [400 sericitic]	broken
L	11 0	12 2		5	4A11	phyllitic (10Q0) (4L0) as interbed w/in unit #3	broken
L	12 2	14 8		6	4L112 4	~6% PbZn [4D0 v. sericitic]	broken
L	14 8	15 2		7	4D101	much less sericite than #6 [41124]	broken
L	15 2	16 8		8	4L112 4	~6% PbZn [4D0 sericitic]	broken
L	16 8	18 3		9	4L112 4	~3-4% PbZn [4C0 sericitic]	broken
L	18 3	21 8		10	4E4	orange sphalerite, (honey @ f.w.) ^{remembering that this is an uphole}	
						much rubble, some of intact pieces are bixiated, becomes 4E4 porous 21.3-21.8 24-30% PbZn	broken
L	21 8	24 1		11	4E4 1 5	(4A43 + 3G2) orange sphalerite 25-30% PbZn	broken
L	24 1	26 4		12	4E4	minor graphitic clasts @ fw + siliceous clasts @ h.w., minor rubble 25.9-26.2 ~20-20% PbZn	broken
L	26 4	26 9		13	4A11 4	(4D1) Silicated bxia GAG: "4A + 4E4 clasts in a closed silicated matrix"	broken
L	26 9	28 4		14	4E4 1	(4D4) ~20% PbZn	broken
L	28 4	30 5	10 16	15	5A161	note poor rec'v especially 29.0-30.5 only 10 cm.	broken
L	30 5	31 7		16	4E4 1	(4D4) ~20% PbZn, as #14	broken
L	31 7	33 0		17	5A161		
L	33 0	38 1		18	5B1*	±2 dolomitic	
						minor 5D4* int'bd 36.9-37.2	
						EOH	
						Note: units 1-9 are very nearly all the same rock I've tried to differentiate very slight variations in gtz: sericite ratio, PbZn content, and Pu: base metal ratio. See alternate interps in [] because these are borderline cases.	

DDH FA611089
 2 8

Cyprus Anvil Mining Corp.

Page 4 of 6

Structural Log

Date: _____ Logged By: J. Modene

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			22	24	26	28	32	34	
S				145	PS12							32 230	serizite foliation (S ₂) in sfds
S				100	PS12							50 230	"
S				158	PS12							42 230	"
S				181	PS12							32 230	
S				1238	PS12							52 230	in 4A intbd
S				1285	PS12							55 230	in 5A
S				1553	PS12							56 230	comphanding in 4D
S				1334	PS12							40 230	
S				1376	PS12							42 230	
													EOT
													carry no attitudes on minor ↘ rubble + poor bedding

abto

CODE	FROM		TO		SAMPLE	INTR.				REC (m)		UNIT	DESCRIPTION		
	10	14	16	20		22	26	28	30	32	34			36	40
P	10	14	16	20	7056	22	26	28	30	32	34	36	40	42	14L112 ±4 [400 sericitic] #1
P	11	14	16	20	7057	22	26	28	30	32	34	36	40	42	14C101 sericitic [4L12] #2
P	13	14	16	20	7058	22	26	28	30	32	34	36	40	42	4Z112 4 [400 sericitic] #3
P	14	14	16	20	7059	22	26	28	30	32	34	36	40	42	4 " [4L112] (504) (4A1phy) #3
P	16	14	16	20	7060	22	26	28	30	32	34	36	40	42	4L112 ±4 [400 sericitic] #4
P	19	14	16	20	7061	22	26	28	30	32	34	36	40	42	4L112 ±4 [400 sericitic] #4
P	11	14	16	20	7062	22	26	28	30	32	34	36	40	42	4A111 phyllitic (000) (4L) #5
P	11	14	16	20	7063	22	26	28	30	32	34	36	40	42	4Z112 4 [400 sericitic] #6
P	11	14	16	20	7064	22	26	28	30	32	34	36	40	42	4D0 #7
P	11	14	16	20	7065	22	26	28	30	32	34	36	40	42	4L112 4 [400 sericitic] #8
P	11	14	16	20	7066	22	26	28	30	32	34	36	40	42	4L112 4 [400 sericitic] #9
P	11	14	16	20	7067	22	26	28	30	32	34	36	40	42	4E4 #10
P	11	14	16	20	7068	22	26	28	30	32	34	36	40	42	4E4 #10
P	11	14	16	20	7069	22	26	28	30	32	34	36	40	42	4E4 5 (4A43 + 3G2) #11
P	11	14	16	20	7070	22	26	28	30	32	34	36	40	42	4E4 #12
P	11	14	16	20	7071	22	26	28	30	32	34	36	40	42	4A114 (4D1) Bxia #13
P	11	14	16	20	7072	22	26	28	30	32	34	36	40	42	4E4 (4D4) #14
P	11	14	16	20	7073	22	26	28	30	32	34	36	40	42	5A161 or 21 #15
P	11	14	16	20	7074	22	26	28	30	32	34	36	40	42	4E4 (4D4) #16

Meters

FAULT

DDH FAG.4089
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: 2 Nov/83 Logged By: _____

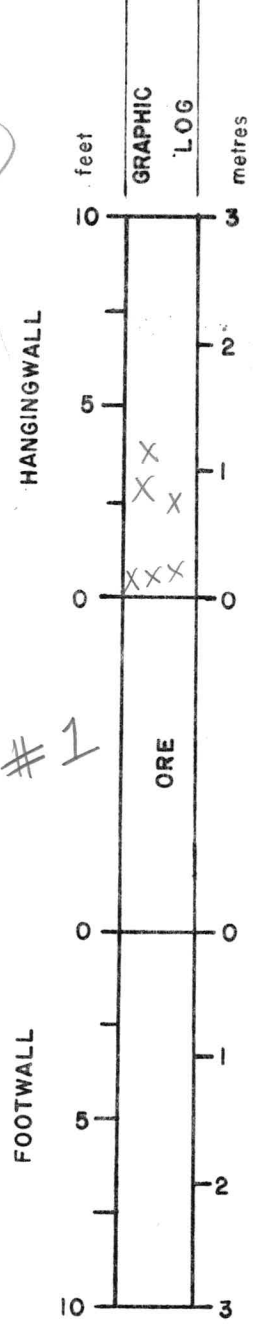
Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		
F	11	18	3	12	18		RIXID											much rubble. Some of intact pieces are bristled
F	12	5	9	12	6	2	1R											minor rubble
F	12	6	4	12	6	9	XID?											4A1 & 4E4 clasts in a closed Si-healed matrix
F	12	8	4	13	0	5	P											poor recovery
F	12	9	0	13	0	5	P	0										10cm recovered in 1.5 m. interval
F																		

GEOTECHNICAL LOG

Meters

UP HOLE

#1



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
34.7	Minor broken core Mostly competent	$\frac{1.4}{10}$ 14%	3-10 cm	5A6 5Bx±2	
31.7		SIZE OF CORE BQ			Hole collared in ore Note 28.4-30.5 #15 5A6l Very Poor Recovery; fault?

DIAMOND DRILL RECORD

LOGGED BY

ALEXANDER YOUNG PO

D.D.H. No 76-U-89

PAGE 1

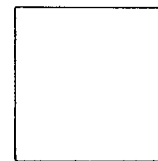
PROPERTY GRUM JOINT VENTURE

LATITUDE 10820.700 2N+52.1mN STARTED MAY 24, 1976

DEPARTURE 7559.000 76W/X-CUT COMPLETED MAY 25, 1976

ELEVATION 1141.317 PROPOSED DEPTH 38.1m
ULTIMATE DEPTH 38.1m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	201° 23'	+54° 18'

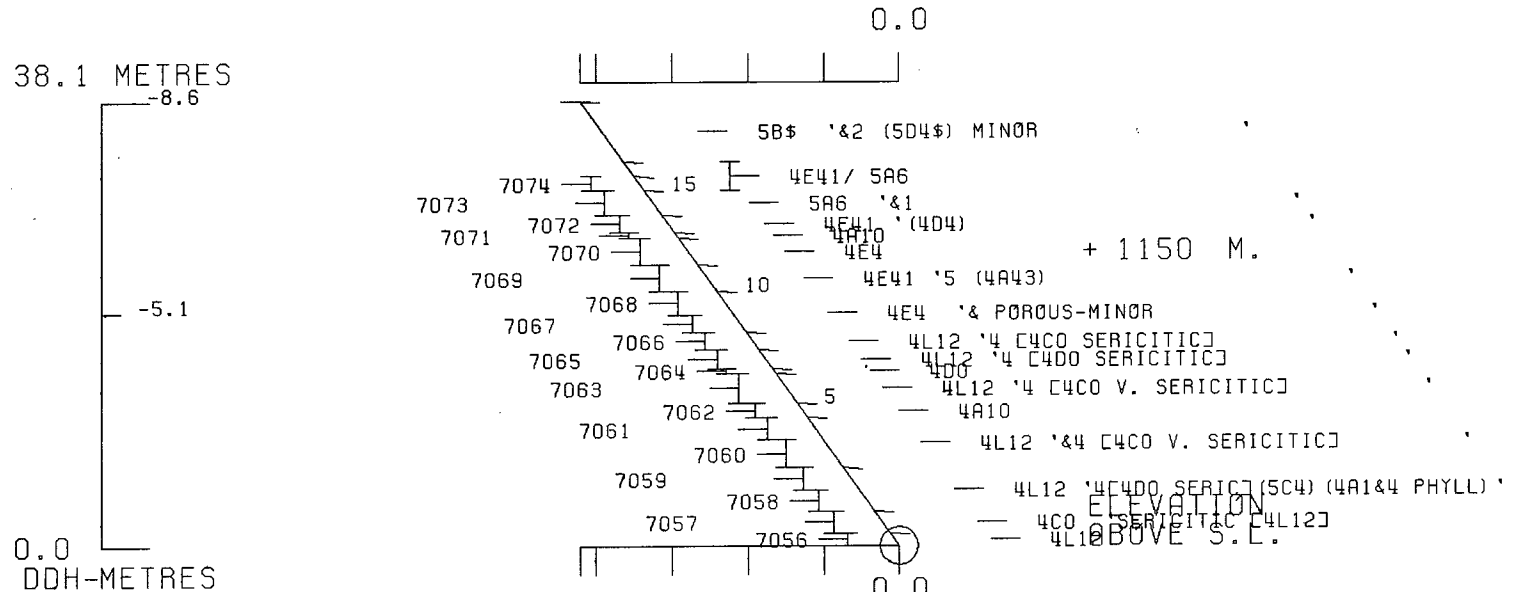


CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 76%

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	18.3	QUARTZ-SULFIDE (P). Competent. Foliation F =45-55°	20	6	1.5	2907	0	1.5	1.5	0.93	1.78	14.06						
		F =5-10°. Py/Zn+Pb sometimes approaches 1/1. Sul-	15	6	0.9	2908	1.5	3.0	1.5	0.69	1.18	13.03						
		fides as regular laminae following both foliation.	15	10	1.2	2909	3.0	4.6	1.6	2.57	4.05	35.31			4.112	6.48	56.496	
		Short intervening bleached phyllite run @ 5-5.5 with	25	10	1.2	2910	4.6	6.1	1.5	1.90	4.45	27.43			2.85	6.675	41.145	
		contact=55°. Calcopyrite blebs.	30	12	1.5	2911	6.1	7.6	1.5	1.59	2.60	23.31			2.38	3.9	34.96	
		1.4-1.5: Fold nose.	10	4	1.0	2912	7.6	9.1	1.5	0.73	0.88	13.03						
		18.3: FAULT CONTACT W/MASSIVE SULFIDE.	25	6	1.5	2913	9.1	10.7	1.6	1.15	1.13	17.14			1.84	1.808	27.424	
		Broken ground with grayish black sticky gouge con-	25	8	1.1	2914	10.7	12.2	1.5	1.45	1.65	24.34			2.175	2.475	36.51	
		taining quartz-sulfide fragments = 1cm Ø.	30	15	1.5	2915	12.2	13.7	1.5	2.20	3.85	32.23			3.30	5.775	48.345	
18.3	31.9	MASSIVE SULFIDE ZONE. Broken cores. Sulfide bx in-	30	15	1.5	2916	13.7	15.2	1.5	2.58	4.50	36.34			3.87	6.75	54.51	
		tervals (1-3cm fragments) cemented by finer grained	30	15	1.3	2917	15.2	16.8	1.6	2.35	4.70	33.26			3.76	7.52	53.216	
		sulfides @ 18.5-18.6. Compositional bands = 45-50°.	25	6	1.5	2918	16.8	18.3	1.5	1.44	2.23	20.23			2.16	3.345	30.34	
		Porous bands show same 45-50° trend of voids.	75	5	0.8	2919	18.3	19.8	1.5	9.05	15.37	111.09			13.575	23.055	166.635	
			75	6	0.5	2920	19.8	21.3	1.5	9.91	18.46	147.09			14.865	27.69	220.64	
		27.4-32.0: Very broken ground. Core ranges from	80	10	0.5	2921	21.3	22.9	1.6	9.65	20.26	169.37			15.44	32.992	270.99	
		small blocks (3-4cm length) to pebble fragments	75	15	1.3	2922	22.9	24.4	1.5	8.40	18.55	143.32			12.60	27.825	214.98	
		(0.5-2cm). Po @ 26.5.	75	15	1.5	2923	24.4	25.9	1.5	10.59	22.50	154.29			15.885	33.75	231.44	



DDH: FAGU089 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1131 592251E ; 905026N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 488.0 Z = 1130.4
 SECTION NAME: 76W

FAGU110

DRILL HOLE : FAGU110
NORTHING : 905,101.6
EASTING : 592,317.6
ELEVATION : 1,122.4
TOTAL DEPTH : 90.7
SECTION : W 76
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 4
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 14
NOS DOWN-H-STRUCTURE: 15
NOS DOWN-H-FAULTS: 9
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

DDH: FAGU110 UTM-N: 905,101.6 UTM-E: 592,317.6 UTM-ELEV: 1,122.4 TOTAL DEPTH: 90.7 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----															
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
55.1	57.9	07291	2.8	.6	4A4	2.99	.01	1.95	3.49	38.00		.40	1	4	6						
57.9	61.4	07292	3.5	3.3	4AC	3.33	.05	3.60	4.59	65.00		1.16	2	10	12						
61.4	64.6	07293	3.2	2.7	4A0	3.22	.08	1.82	2.70	37.00		.62	5	8	13						
64.6	66.7	07294	2.1	1.4	5A19	2.98	.02	1.06	2.02	12.00	12.00	.62	3	4	7						
WEIGHTED AVERAGE																					
55.1	66.7		11.6	8.0		3.15	.04	2.25	3.34	41.16	2.17	.73	3	7	10						

21NOV83 GRUM

COWN-HOLE SURVEYS (DH020)

PAGE: 3

DDH: FAGU110 UTM-N: 905,101.6 UTM-E: 592,317.6 UTM-ELEV: 1,122.4 TOTAL DEPTH: 90.7 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: FAGU110 UTM-N: 905,101.6 UTM-E: 592,317.6 UTM-ELEV: 1,122.4 TOTAL DEPTH: 90.7 SECTION: W 76
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.5	0001	#		0.5-	1
51.8	0002	5B62		0.5-	1
55.1	0003	4LC		0.5-	1
59.0	0004	4A4		0.5-	1
61.4	0005	4AC	(4C0) (5C4*[5D4*]) GOUGE	0.5-	1
61.9	0006	5C4*	[5D4*]	0.5-	1
64.6	0007	4A0	87	0.5-	1
65.8	0008	5C4@	[5D4@]	0.5-	1
66.7	0009	5A19		0.5-	1
79.2	0010	5B62		0.5-	1
79.5	0011	4G4	POROUS	0.5-	1
80.0	0012	5A0		0.5-	1
84.8	0013	4LC		0.5-	1
90.8	0014	5B6	-> 5B62 (10Q0)	0.5-	1

DDH: FAGU110 UTM-N: 905,101.6 UTM-E: 592,317.6 UTM-ELEV: 1,122.4 TOTAL DEPTH: 90.7 SECTION: W 76
 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
FAGU110	0.0	1.5	CS2	S	0	0	0	0	78	230	0		1	1	1
FAGU110	0.0	7.7	CS2	S	0	0	0	0	76	230	0		1	1	1
FAGU110	0.0	13.8	CS2	3	0	0	0	0	75	230	0		1	1	1
FAGU110	0.0	19.6	CS2	Z	0	0	0	0	72	230	0		1	1	1
FAGU110	0.0	25.8	CS2	Z	0	0	0	0	70	230	0		1	1	1
FAGU110	0.0	31.8	CS2	Z	0	0	0	0	80	230	0		1	1	1
FAGU110	0.0	39.0	CS2	Z	0	0	0	0	78	230	0		1	1	1
FAGU110	0.0	47.0	CS2	Z	0	0	0	0	75	230	0		1	1	1
FAGU110	0.0	52.4	CS2	Z	0	0	0	0	76	230	0		1	1	1
FAGU110	0.0	58.0	CS2	Z	0	0	0	0	70	230	0		1	1	1
FAGU110	0.0	62.0	CS2	S	0	0	0	0	75	230	0		1	1	1
FAGU110	0.0	68.5	CS2	Z	0	0	0	0	80	230	0		1	1	1
FAGU110	0.0	73.0	CS2	Z	0	0	0	0	68	230	0		1	1	1
FAGU110	0.0	77.5	CS2	M	0	0	0	0	70	230	0		1	1	1
FAGU110	0.0	84.0	CS2	M	0	0	0	0	70	230	0		1	1	1

21NOV83 GRUM

DOWN-HOLE FAULTS (DH020)

DDH: FAGU110 UTM-N: 905,101.6 UTM-E: 592,317.6 UTM-ELEV: 1,122.4 TOTAL DEPTH: 90.7 SECTION: W 76
 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			
FAGU110	1.5	51.8	2B				0	0	0	0	1		
FAGU110	55.1	59.0	GR				0	0	0	0	1		
FAGU110	59.0	61.4	GP	5			0	0	0	0	1		
FAGU110	63.6	63.8	R				0	0	0	0	1		
FAGU110	79.5	79.6	G				0	0	99	999	0	0	1
FAGU110	84.8	85.2	G				0	0	0	0	0	0	1
FAGU110	85.9	86.7	GB				0	0	0	0	0	0	1
FAGU110	89.9	90.4	Q				0	0	0	0	0	0	1
FAGU110	90.4	90.8	R				0	0	0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 7

DDH: FAGU110 UTM-N: 905,101.6 UTM-E: 592,317.6 UTM-ELEV: 1,122.4 TOTAL DEPTH: 90.7 SECTION: W 76
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

88I TF9Nft* tPT DPt8 Jt8JDB*PS

FAGU110 1 1

DIAMOND DRILL CORE LOG

Date: 11 July, 1981

Hole Number: FAGU 110

Reference Fabric Orientation Diagram:

Project: Grum Releg

Location: F-6 Orthophoto (105K-6)

Claim: _____

Terr. Plane Co-ords.: 6905101.6 N

592317.6 E

Grid Co-ords: 76+00W

6+31.5N

Elevation: 1122.4 M

Total Depth: 90.8 M

Purpose: Defunction Drilling

Reason hole Terminated: _____

Logged by: DSJ

Date(s) Logged: 11 July, 1981

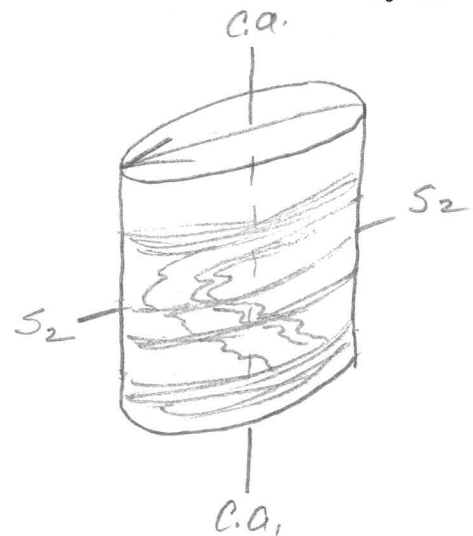
Drilling Contractor: Cameron McCutcheon

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>90.8M</u>	

Hole Cemented: _____

Steel down hole: _____

Started: 12 June 1976 Completed: 13 June, 1976



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230°.

Conversion of KA survey grid location

Lithologic Log

Date: 11 July 81

Logged By: DSJ

Code	From				To				Recov.				No.				Unit	Description
	10	14	16	20	22	24	26	28	30	34	35	1	2	3	4			
L		100		115											1	#	O/B (underburden)	
L		115		151.8											2	5B62	core somewhat broken (2-3 cm. lengths) over interval	
L		151.8		155.1											3	4LD	non-carb., no appreciable sulfides; no fuchsite	
L		155.1		159.0											4	4AH	entire interval gouged & broken rubble	
																	core; no attitudes possible, whole	
																	interval = fault zone	
L		159.0		161.4											5	4A1C1	complexly interbedded & gouged sequence	
																	of 4A0, 4C0, 5C4* [5D4*]; gouged interval	
																	= 55.1 to 60.2 M w/ ^{1-2% fuchsite} = 2.5 M rec'd. i.c. 50%	
																	no attitudes possible on gouge -	
																	fault zone = 55.1 to 60.2 M	
L		161.4		161.9											6	5C4*	[5D4*] - 1-2% fuchsite	
L		161.9		164.6											7	4A1D	^{po present 63.9-64.0} v. low grade; zone of rubble core	
																	63.6-63.8 M, no gouge, no attitudes	
L		164.6		165.8											8	5C4*	[5D4*] < 1% fuchsite but present & ankeritic	
L		165.8		166.7											9	5A19	fine bands 4A0; extremely low grade	
L		166.7		179.2											10	5B62		
L		179.2		179.5											11	4B4	non-carb. bearing, porous	
L		179.5		180.0											12	5A9	gouge 11 52 @ top (79.5-79.6) of	
																	interval	
L		180.0		184.8											13	4LD	no fuchsite	
L		184.8		190.8											14	5B6	→ 5B62; gouge 84.8-85.2 w/ no	
																	attitudes possible; gouge & broken core	
																	85.9-86.7 M w/ no attitudes possible	
																	ORO 89.9-90.4 then rubble core	
																	90.4-90.8, DDH may have ended in a	
																	fault	

Meters

FAULT

DDH F.A.G.U.1.0
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

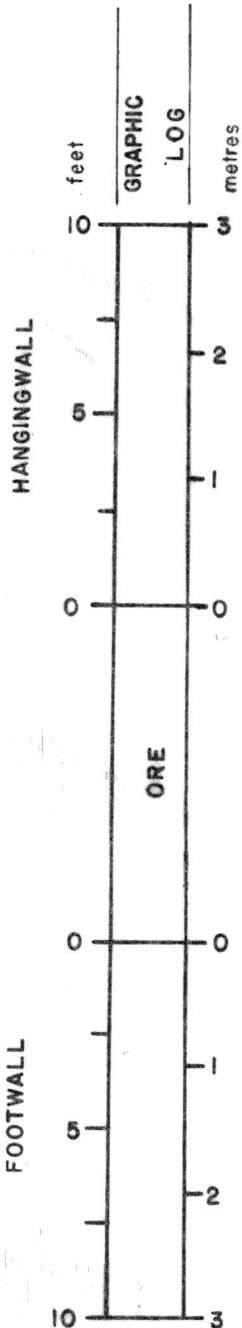
Date: 2 Nov/83 Logged By: _____

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F		15		151	8	21	B1										Somewhat broken 2-3cm lengths
F		155	1	159	0	G1	R1										gauged & rubbly core no attitudes, whole interval = fault zone
F		159	0	161	4	G1	R1	5									complexly interleaved & gauged sequence of 4A0, 4C0, 5C4#, no attitudes, 50% recovery fault zone = 55.1 to 60.2
F		163	6	163	8	R1											zone of rubbly core, no gauge
F		179	5	179	6	G1				919	919	919					gauge // S ₂
F		184	8	185	2	G1											gauge - no attitudes
F		185	9	186	7	G1	B1										gauge & broken core
F		189	9	190	4	Q1											10Q0
F		190	4	190	3	R1											rubbly core - may have ended in fault zone

GEOTECHNICAL LOG

Handwritten calculations:
 $\frac{10}{300} = 0.033$
 $\frac{1000}{300} = 3.33$

Handwritten calculations:
 $\frac{10.00}{9.00} = 1.11$
 $\frac{10.00}{1.000} = 10.00$



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
52.1	Incompetant (zone of missing core)	$\frac{310\text{cm}}{300\text{cm}}$ 10.3%	6cm	420	Poor recovery 53.3-54.9 only 0.2 rec'd.
55.1		SIZE OF CORE BC			
66.7	Incompetant to give poor	$\frac{10}{300}$ 3.3%	5	5B6	All core < 10cm
69.7					

DIAMOND DRILL RECORD

 LOGGED BY JOCK HOWARD

 D.D.H. No 76-U-110 PAGE 1

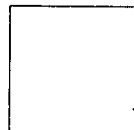
 PROPERTY GRUM JOINT VENTURE (VANGORDA-GRUM)

 LATITUDE 10,894.584 6N+31.5mNE. STARTED JUNE 12, 1976

 DEPARTURE 7,627.339E 76W COMPLETED JUNE 13, 1976

 ELEVATION 1132.983M PROPOSED DEPTH
 ULTIMATE DEPTH 90.8M

HOLE SURVEY:		
DEPTH	BEARING	DIP
		-90°


 CLAIM No

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

CORE RECOVERY: 83.6%

Interval		DESCRIPTION	Py	Pz	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
0	1.5	QUARTZ SULPHIDES (P).	20	10	0.2/1.5		0	1.5		10%	PbZn Est.	(Recovery very poor)						
		Hard structureless sulphides in a quartz matrix.																
1.5	51.8	QUARTZ SERICITE PHYLITE (S).			46.3/50.3													
		Typical dark gray, F perpendicular to core, F ₁ -where visible as waves or S's perpendicular to F. Very sharp nose @ 13.4. Core is generally competent but platy in places like poker chips. Several quartz veins (.05m-.25m). Also traces of po.																
51.8	55.7	WHITE PHYLITE (Ss).			1.8/3.9													
		Pale gray, with thin yellow laminae. F not visible, F ₁ perpendicular to core. Core is generally competent but poor recovery 53.3-55.7																
55.7	66.8	QUARTZ SULPHIDES (Pg).	3	1	0.4	3291	55.7	57.9	2.2	2.25	3.35	35.31						
		55.7-57.9: Thin laminae of sulphides in phyllite.	15	10	1.1	3292	57.9	59.4	1.5	3.98	5.76	61.37				5.97	8.64	92.055

DDH: FAGU110 -- 42 DEGREE PROFILE

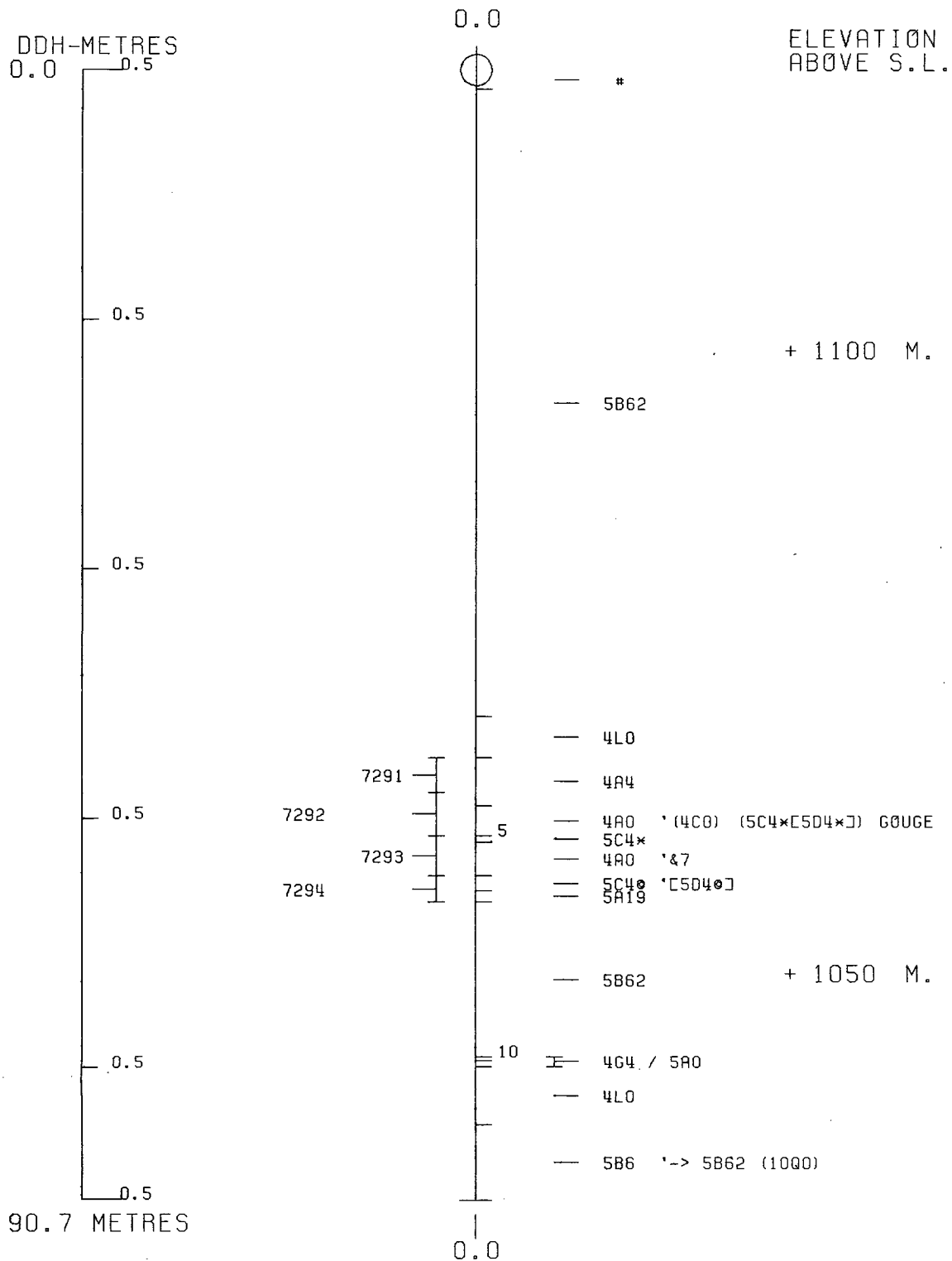
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1122 592318E ; 905102N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 588.6 Z = 1122.5

SECTION NAME: 76W



DDH: FAGU110 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1122 592318E ; 905102N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 588.6 Z = 1122.5

SECTION NAME: 76W

