

Grum  
Deposit  
Section 75W  
1 of 2

014983

FACA004

*[Handwritten scribbles and lines]*

DRILL HOLE : FAGA004  
NORTHING : 904,922.3  
EASTING : 592,170.2  
ELEVATION : 1,286.8  
TOTAL DEPTH : 314.8  
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: 21  
NOS DOWN-H-SURVEYS: 6  
NOS DOWN-H-LITHOLOGY: 95  
NOS DOWN-H-STRUCTURE: 44  
NOS DOWN-H-FAULTS: 51  
NOS DOWN-H-SPLINES: 6  
NOS COMPOSITES: 0



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DOWN-HOLE SURVEYS (DHO20)

PAGE: 24

DDH: FAGA004 UTM-N: 904,922.3 UTM-E: 592,170.2 UTM-ELEV: 1,286.8 TOTAL DEPTH: 314.8 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
64.000	180.000	0.000
91.400	176.800	84.000
152.400	173.500	37.000
213.400	174.500	43.000
259.100	173.200	321.000

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 25

DDH: FAGA004 UTM-N: 904,922.3 UTM-E: 592,170.2 UTM-ELEV: 1,286.8 TOTAL DEPTH: 314.8 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.0	0001			0.5-	1
19.7	0002	5BC	(5D4*)	0.5-	1
30.8	0003	FAULT		0.5-	1
32.9	0004	5B0*		0.5-	1
34.1	0005	10QC		0.5-	1
34.7	0006	5B0*		0.5-	1
35.2	0007	5BC		0.5-	1
48.2	0008	5B0*		0.5-	1
61.3	0009	5B0	&3	0.5-	1
62.1	0010	5B20		0.5-	1
64.5	0011	5A0	(5D0) 70:30	0.5-	1
68.0	0012	5B0		0.5-	1
68.5	0013	5C3	(10Q0)	0.5-	1
74.3	0014	5B0		0.5-	1
75.3	0015	5C3	(5D0) 82:18	0.5-	1
82.3	0016	5B0	(10Q0) MINOR (5D0) TRACE	0.5-	1
83.5	0017	5D0	(10Q0) MINOR	0.5-	1
83.9	0018	4L0		0.5-	1
84.4	0019	5D0		0.5-	1
89.0	0020	5B6	[3G0]	0.5-	1
89.9	0021	5B46	[4L0]	0.5-	1
92.2	0022	5B20		0.5-	1
93.2	0023	5AC		0.5-	1
94.0	0024	5B20		0.5-	1
105.9	0025	5B0S		0.5-	1
108.4	0026	5B4	(5D0) RUBBLE	0.5-	1
111.1	0027	5C3S	(5D0) MINOR	0.5-	1
111.6	0028	5FC	[5B80?]	0.5-	1
112.0	0029	5C3*		0.5-	1
114.9	0030	5FC	[5B80?]	0.5-	1
118.0	0031	5B0		0.5-	1
122.3	0032	5B26	(10Q0)	0.5-	1
123.6	0033	5D0	(5A1) MINOR	0.5-	1
127.3	0034	5B0	&3	0.5-	1
128.4	0035	4L0	PO PY	0.5-	1
132.1	0036	5FC	BIO ->4L6 E.O.I. (5C3)	0.5-	1
134.9	0037	5B0		0.5-	1
135.1	0038	5A0		0.5-	1
136.6	0039	5B0	&3	0.5-	1
137.7	0040	4LC		0.5-	1
139.9	0041	5B0	(10Q0) 13% (5D0)	0.5-	1
142.8	0042	5D0	&3 BIO	0.5-	1
143.7	0043	4L6		0.5-	1
144.8	0044	5D0	&3 BIO	0.5-	1
145.4	0045	5B6		0.5-	1
145.8	0046	4L6		0.5-	1
146.9	0047	4L0	PO PY	0.5-	1
150.1	0048	5B46		0.5-	1
152.1	0049	5B0		0.5-	1
154.4	0050	5B20	(5A0) LOCALLY	0.5-	1
155.4	0051	5B0		0.5-	1

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 26

DDH: FAGA004 UTM-N: 904,922.3 UTM-E: 592,170.2 UTM-ELEV: 1,286.8 TOTAL DEPTH: 314.8 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
156.9	0052	5B20		0.5-	1
160.8	0053	4L0	(4L7)	0.5-	1
163.7	0054	5B2	86 (5A0) LOCALLY	0.5-	1
164.7	0055	4L7	(4H0)(4G4)(5D4*) 38:18:22:22	0.5-	1
165.9	0056	4E0	84	0.5-	1
168.6	0057	4E0	(4K0) (4E*)	0.5-	1
169.2	0058	4E8		0.5-	1
169.6	0059	5D4a		0.5-	1
171.3	0060	4E8	(4G4#\$(4C*)(4H0) 85:15:TR:TR	0.5-	1
172.5	0061	5B0	83	0.5-	1
178.9	0062	5B80	83	0.5-	1
179.7	0063	5E0		0.5-	1
186.5	0064	5B80	83	0.5-	1
187.1	0065	5D0	83	0.5-	1
189.3	0066	5B0	83	0.5-	1
189.8	0067	5D0		0.5-	1
200.1	0068	5B0	(5B20)	0.5-	1
206.0	0069	4E4	(4G4)MINOR (4L)MINOR NO CORE	0.5-	1
207.9	0070	BXA	[4L0 GOUGE (4D4 BXA)]	0.5-	1
211.2	0071	5B6	82	0.5-	1
212.8	0072	5E0	(5B3) MINOR	0.5-	1
228.3	0073	5B0	83	0.5-	1
229.5	0074	5B0	NO CORE	0.5-	1
230.6	0075	5B3		0.5-	1
231.0	0076	5D4*	RUBBLE	0.5-	1
238.3	0077	5B3	-> 5E0	0.5-	1
239.1	0078	5B0	(5B3)	0.5-	1
241.1	0079	5B20		0.5-	1
244.6	0080	5B0	(5D4)	0.5-	1
245.7	0081	4E0	BXA (4A0 BXA) (4K0)	0.5-	1
247.3	0082	5A0	(5B2)	0.5-	1
253.9	0083	5B20	FAULT	0.5-	1
256.5	0084	5B20	-> 5B26 E.O.I.	0.5-	1
260.8	0085	4A1	83 (4C0) V. MINOR	0.5-	1
261.6	0086	4E#4		0.5-	1
262.0	0087	4A0		0.5-	1
283.7	0088	5B23	.	0.5-	1
284.8	0089	4E0	(4E1) BXA	0.5-	1
285.3	0090	5A0		0.5-	1
285.9	0091	4E0	(5A0) (4E* BXA)	0.5-	1
291.4	0092	5B20	(5A0)	0.5-	1
302.1	0093	5A0		0.5-	1
308.5	0094	5B26	(5A0)	0.5-	1
314.9	0095	5A0	(5B20)	0.5-	1

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## DOWN-HOLE STRUCTURE (DH020)

PAGE: 27

DDH: FAGA004 UTM-N: 904,922.3 UTM-E: 592,170.2 UTM-ELEV: 1,286.8 TOTAL DEPTH: 314.8 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	DHOC	SDC	PROCESS	
FAGA004	0.0	10.7	CS2	0	0	65	230	0	1	1	1
FAGA004	0.0	14.3	CS2	0	0	61	230	C	1	1	1
FAGA004	0.0	34.4	CS2	0	0	62	230	0	1	1	1
FAGA004	0.0	40.2		0	0	78	230	C	1	1	1
FAGA004	0.0	45.7		0	0	68	230	C	1	1	1
FAGA004	0.0	51.2		0	0	65	230	0	1	1	1
FAGA004	0.0	57.3		0	0	70	230	0	1	1	1
FAGA004	0.0	63.1		0	0	75	230	C	1	1	1
FAGA004	0.0	69.5		0	0	75	230	0	1	1	1
FAGA004	0.0	75.3	PS2	0	0	75	230	0	1	1	1
FAGA004	0.0	79.6	PS2	0	0	76	230	C	1	1	1
FAGA004	0.0	85.6	PS2	0	0	66	230	0	1	1	1
FAGA004	0.0	93.0	CS2	0	0	70	230	C	1	1	1
FAGA004	0.0	100.9	PS2	0	0	65	230	C	1	1	1
FAGA004	0.0	109.7	PS2	0	0	46	230	0	1	1	1
FAGA004	0.0	116.7	PS2	0	0	60	230	0	1	1	1
FAGA004	0.0	124.7	CS2	0	0	53	230	0	1	1	1
FAGA004	0.0	127.0	CS2	0	0	65	230	0	1	1	1
FAGA004	0.0	133.0	CS2	0	0	65	230	0	1	1	1
FAGA004	0.0	140.0	CS2	0	0	71	230	0	1	1	1
FAGA004	0.0	145.4	PS2	0	0	66	230	0	1	1	1
FAGA004	0.0	152.7	PS2	0	0	61	230	0	1	1	1
FAGA004	0.0	161.1	PS2	0	0	75	230	C	1	1	1
FAGA004	0.0	171.9	PS2	0	0	80	230	C	1	1	1
FAGA004	0.0	173.7	CS2	0	0	63	230	0	1	1	1
FAGA004	0.0	174.0	CS2	0	0	70	230	0	1	1	1
FAGA004	0.0	181.7	CS2	0	0	50	230	C	1	1	1
FAGA004	0.0	190.5	CS2	0	0	45	230	C	1	1	1
FAGA004	0.0	212.9	CS2	0	0	70	230	C	1	1	1
FAGA004	0.0	220.4	CS2	0	0	72	230	0	1	1	1
FAGA004	0.0	228.1	CS2	0	0	62	230	C	1	1	1
FAGA004	0.0	229.8	CS2	0	0	80	230	0	1	1	1
FAGA004	0.0	238.5	CS2	0	0	89	230	0	1	1	1
FAGA004	0.0	246.0	CS2	0	0	57	230	0	1	1	1
FAGA004	0.0	255.4	CS2	0	0	53	230	C	1	1	1
FAGA004	0.0	259.8	PS2	0	0	64	230	0	1	1	1
FAGA004	0.0	262.4	PS2	0	0	62	230	C	1	1	1
FAGA004	0.0	269.7	PS2	0	0	70	230	C	1	1	1
FAGA004	0.0	277.1	CS2	0	0	60	230	C	1	1	1
FAGA004	0.0	289.0	PS2	0	0	65	230	0	1	1	1
FAGA004	0.0	292.0	PS2	0	0	78	230	0	1	1	1
FAGA004	0.0	299.9	CS2	0	0	80	230	0	1	1	1
FAGA004	0.0	307.2	CS2	0	0	75	230	0	1	1	1
FAGA004	0.0	313.9	CS2	0	0	80	230	C	1	1	1

DDH: FAGA004 UTM-N: 904,922.3 UTM-E: 592,170.2 UTM-ELEV: 1,286.8 TOTAL DEPTH: 314.8 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
FAGA004	3.0	19.6	B				0	0	0	1
FAGA004	19.6	30.7	FPR	1			0	0	0	1
FAGA004	0.0	31.5	R				0	0	0	1
FAGA004	30.7	32.9	T				0	0	0	1
FAGA004	32.9	34.1	QR				0	0	0	1
FAGA004	34.6	35.2	TR				0	0	0	1
FAGA004	0.0	39.3	J				0	22	225	1
FAGA004	0.0	66.7	XQ				0	35	0	1
FAGA004	75.2	82.2	T				0	0	0	1
FAGA004	96.6	99.6	BP				0	0	0	1
FAGA004	105.9	108.4	RB				0	0	0	1
FAGA004	0.0	109.7	J				0	34	315	1
FAGA004	117.9	121.4	BR				0	0	0	1
FAGA004	121.4	122.3	JBR				0	0	0	1
FAGA004	0.0	153.0	1G				0	99	999	1
FAGA004	0.0	156.3	J				0	20	0	1
FAGA004	0.0	163.0	J				0	45	180	1
FAGA004	0.0	174.0	J				0	25	230	1
FAGA004	0.0	174.1	J				0	25	35	1
FAGA004	0.0	177.0	J				0	30	180	1
FAGA004	0.0	182.8	J				0	0	0	1
FAGA004	0.0	194.7	G				0	0	0	1
FAGA004	198.5	200.0	R1G				45	60	0	1
FAGA004	200.0	206.0	NNN				0	0	0	1
FAGA004	206.0	207.8	FGX				0	0	0	1
FAGA004	208.3	208.6	BG				0	99	999	1
FAGA004	0.0	208.9	G				0	99	999	1
FAGA004	210.3	210.6	BG				0	99	999	1
FAGA004	0.0	219.1	1G				0	35	120	1
FAGA004	228.2	229.5	NNN				0	0	0	1
FAGA004	229.5	230.6	RG	1			0	0	99	999
FAGA004	230.7	231.0	R				0	0	0	1
FAGA004	231.0	231.9	XJ				0	0	0	1
FAGA004	0.0	232.5	B				0	0	0	1
FAGA004	0.0	234.2	B				0	0	0	1
FAGA004	0.0	239.4	JQ				0	20	180	1
FAGA004	0.0	239.8	JQ				0	45	315	1
FAGA004	241.0	244.5	XQ				0	0	0	1
FAGA004	244.5	244.9	X				0	0	0	1
FAGA004	245.1	245.4	R				0	0	0	1
FAGA004	0.0	246.4	1G				0	99	999	1
FAGA004	247.2	253.8	FGR				0	0	0	1
FAGA004	268.0	268.4	Q				0	0	0	1
FAGA004	0.0	274.7	JG				0	50	315	1
FAGA004	0.0	276.4	J				0	30	180	1
FAGA004	283.5	283.6	1G				0	0	0	1
FAGA004	0.0	283.7	1G				0	99	999	1
FAGA004	283.7	284.8	XR				0	0	0	1
FAGA004	284.8	285.2	R				0	0	0	1
FAGA004	285.2	285.9	XQ				0	0	0	1
FAGA004	0.0	290.7	JQ				0	15	180	1

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DOWN-HOLE SPLINES (DHO20)

PAGE: 29

DDH: FAGA004 UTM-N: 904,922.3 UTM-E: 592,170.2 UTM-ELEV: 1,286.8 TOTAL DEPTH: 314.8 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

ODH SEGMENT NOS COND INDICATOR

FAGA004	1	2
FAGA004	2	2
FAGA004	3	2
FAGA004	4	2
FAGA004	5	2
FAGA004	6	1

DIAMOND DRILL CORE LOG

Date: \_\_\_\_\_

Hole Number: FAG A004

Project: Grum Re log 76W

Location: Vangorda Plateau

Claim: \_\_\_\_\_

47M  
1979 HEW  
Survey

Terr. Plane  
Co-ords.: 6904922.3 N

592170.2 E

Grid  
Co-ords: 76W / 60S

Elevation: 1286.8

Total Depth: 753'

Purpose: \_\_\_\_\_

Reason hole  
Terminated: \_\_\_\_\_

Re  
Logged by: JSM

Date(s) Logged: June 24, 1981 - June 26 1981

Drilling  
Contractor: \_\_\_\_\_

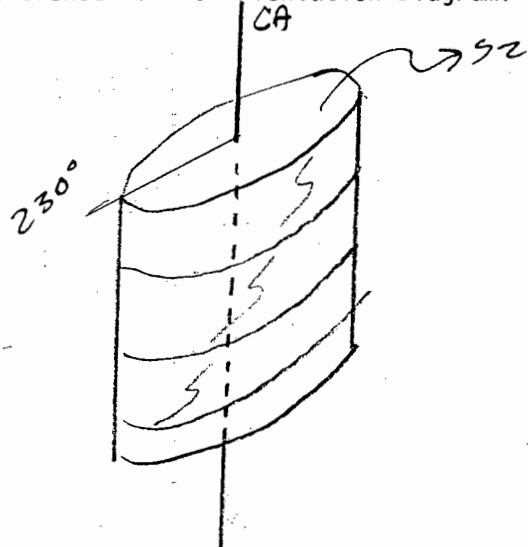
Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>0</u>	<u>753'</u>	

Hole  
Cemented: \_\_\_\_\_

Steel down  
hole: \_\_\_\_\_

Started: 9/20/73 Completed: 10/1/73

Reference Fabric Orientation Diagram:



All ~~symmetry~~ determinations looking

NW with S2 dipping

SW with dip azimuth 230.



Lithologic Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Core	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	100	100		1		O/B
L	100	104.5	330	2	5B01	variably calcareous grey phyllite w/ minor thin SDO interbeds, 1000 @ f.w. Zones of broken core make up ~25% of interval Note, also, poor recovery
L	104.5	110.10	115	3	FA114T	sand + rubble
L	109.10	110.80		4	5B0*	cc + FeMgCO <sub>3</sub> , Much broken on s <sub>2</sub> , rabbled @ 103.5 lower etc rabbled
L	110.80	111.20	130	5	10Q10	rabbled, minor phyllite
L	111.20	111.37		6	5B0*	cc + FeMgCO <sub>3</sub> v. minor broken core, nothing significant
L	111.37	111.55		7	5B10	poker chip core + rubble
L	111.55	115.82		8	5B0*	cc + FeMgCO <sub>3</sub> again, very minor broken core
L	115.82	120.10		9	5B10	mostly cc (strongly calc w/o powdering, loss of Fe stain) Minor broken core, 1000 @ 178 ft.
L	120.10	120.36		10	5B12	Grey phyllite becoming slightly greenish below 191 ft still calcareous though not as strongly as #9.
L	120.36	121.16		11	5A10	Lower etc gradational variably calcareous w/ SDO interbeds @ 205, 209, 210, 211; (30% SDO, sharp etc. / s <sub>2</sub> )
L	121.16	122.30		12	5B10	calc
L	122.30	122.48		13	5C13	sort of mottled, w/ phyllite in center of interval + 1000 @ f.w.
L	122.48	124.39		14	5B10	calc
L	124.39	124.70		15	5C13	sort of mottled - blebby laminations SDO 246.3-247 sharp upper etc
L	124.70	127.00		16	5B10	grey phyllite, calc, much poker chip core, minor 1000 + one thin SDO bed minor gradational SBZ near f.w. lower etc broken
L	127.00	127.40		17	5D10	minor 1000 lower etc broken
L	127.40	127.54		18	4L0	
L	127.54	127.70		19	5D0	
L	127.70	129.19		20	5B6	[300] pervasively cleaved, monotonous grey phyllite, locally minor carbonaceous mat <sup>y</sup> but not enough for 2 modifier.
L	129.19	129.57		21	5B46	[40]

NB. Both 704 py blebs though these phyllites

Feet

Lithologic Log

Date: \_\_\_\_\_ Logged By: TSM

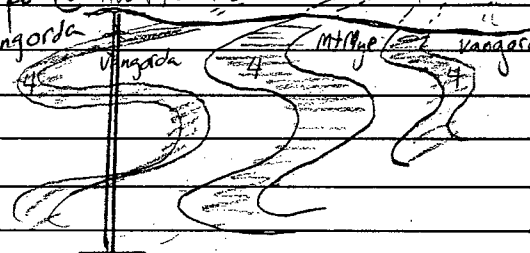
Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	129.57	130.24		122	5B2I	} slightly calc
L	130.24	130.57		123	5A1O	
L	130.57	130.84		124	5B2I	
L	130.84	134.75		125	5B0I*	calcareous grey phyllite, cc + dolomite? broken core, poor rec'v, 317-327, also broken @ fw
L	134.75	135.57		126	5B1D	Rubble + broken core of 5B4 + 5D0
L	135.57	136.46		127	5C3*	cc + dolo. Sort of mottled texture, 5D0 @ 359.7. lower etc = 100.
L	136.46	136.63		128	5F1Q	? lower etc sharp //sz
L	136.63	136.75		129	5C3*	
L	136.75	137.70		130	5F1Q	? slightly broken near fw. } etc //sz
L	137.70	138.71		131	5B1O	variably calc
L	138.71	140.13		132	5B2I6	(1000) (gauge @ HW etc) (broken + rubble core) fracture - bedded below 398.6
L	140.13	140.55		133	5D1O	calc; minor 5A1
L	140.55	141.76		134	5B1O	strongly calc, grey cleaved phyllite, minor pebbles lower etc silicified (1000)
L	141.76	142.13		135	4L4O	minor py + po. lower etc = qtz-carb vein
L	142.13	143.34		136	5F1Q	? (5C3 @ 425.3) grading to 4L4 @ fw. Incipient biotite local. lower etc sharp //sz. coveining @ fw
L	143.34	144.25		137	5B1O	slightly bleached + noncalc @ fw + hw lower etc broken
L	144.25	144.34		138	5A1O	
L	144.34	144.80		139	5B1O	lower etc is silicified marble (?) strongly calc 0.7 ft
L	144.80	145.17		140	4L4O	
L	145.17	145.90		141	5B0I	(1000 457-458) (5D0)
L	145.90	146.86		142	5D1O	(1000 466.5) strongly calc + siliceous-carbonate bands, incip. biotite
L	146.86	147.15		143	4L4O	
L	147.15	147.52		144	5D1O	as #42
L	147.52	147.70		145	5B1O	pebbles, fine grained, grey pervasively cleaved
L	147.70	147.83		146	4L6	

Lithologic Log

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	14783	14820		147	14L01	+ minor po + py } ctes // s <sub>2</sub>					
L	14820	14923		148	5B46						
L	14923	14990		149	5B01	grading to 5B2 toward f.w lower cte // s <sub>2</sub>					
L	14990	15016		150	5B22	locally 5A0 minor po blebs					
L	15016	15097		151	5B10	} transitional in terms of C-content					
L	15097	15114		152	5B22		intercalated lower cte // s <sub>2</sub>				
L	15114	15277		153	4L10	(4L7) lower cte sharp // s <sub>2</sub>					
L	15277	15377		154	5B22	variably to non calc, locally 5A0, broken @ 530					
						Some what silicified, minor siliceous tension gashes.					
						(5A19 @ f.w.)					
L	15377	15410		155	4L47	(4H0) (4G4) (5D4*)					
						4L7 ← 537.2 → 1.2					
						4H0 ← 538.4 → 0.6					
						4G4 ← 539.0 → 0.7					
						5D4* ← 539.7 → 0.7					
						5D4* ← 540.4 → 0.7					
L	15410	15414		156	4E10	±4; minor mat @ H.W.					
						↳ Zn/Pb localized in bands of sp (gn) w/ baby py porphs					
L	15414	15513		157	4E10	(4H0 + 4E*) lower cte broken					
L	15513	15515		158	4E18	mat in thin laminae blebs lower cte broken					
L	15515	15516		159	5D14*	ank, ser. minor marip blebs SF? SC? lower cte broken					
L	15516	15620		160	4E18	(intbedded 4G4* cc + ddo) → ~ 15%					
						also v minor 4C* @ 560.2, v. minor 4H0 @ 570.5					
						& 0.4 ft of 4H0 w/ 4L clasts [4L7] @ f.w. lower cte broken					
						* fold repeat? Note 5D4 + 4H0 + 4G4 units. Probably not because Graphitic Phyll above but not below. See note on pg 6					
L	15620	15616		161	5B10	strongly calc					
L	15616	15870		162	5B8	strongly calc					
L	15870	15895		163	5E10	? phyllitic marble, strongly calc (cc) but also Fe stained ∴ possible FeMgCO <sub>3</sub> } all ctes // s <sub>2</sub>					
						gradational ctes.					
L	15895	16120		164	5B8	strongly calc					
L	16120	16140		165	5D0	strongly calc					
L	16140	16210		166	5B0	strongly calc, minor inter lam SD mat'					
L	16210	16226		167	5D10						
L	16226	16564		168	5B0	(5B2) Note gauge @ 639: Rubble core + minor gauge 651.4-656.4 minor 1000 // s <sub>2</sub>					

Lithologic Log

Date: \_\_\_\_\_ Logged By: JSM

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	16516	4	16760			169	4E41	w/minor 4E1, minor 4G4, minor 4L, minor po @ fw+hw. — Whole core sampled lithology from KA logs. Could this be same as first sulfide intersection because of po @ hw+fw? Note: 		
L	16760		16820			170	4L-D	? Fault Described by KA as "chloritic gouge w/ massive 'sfd bria sections, 60% gouge." All that remains now is gouge+rubble, green color of magnesite. Rubble core @ fw is 4D bria and 5D, 5F, 4L ?? Call the interval 4L (4D bria) gouge.		
L	16820		16930			171	5B16	±2 locally gouded + graphitic, minor 10Q0 683.5-684.7; 685.6, 690-691 > broken/gougey // S <sub>2</sub> Lower etc broken		
L	16930		16980			172	5E10	phillitic marble w/minor (5B3) lower etc broken		
L	16980		7489			173	5B10	strongly calc grades toward SE in one spot (726) minor gouge + broken core usu. // S <sub>2</sub>		
L	7489		7530			174		? No core recovery; Hole deepened at later date		
L	7530		7566			175	5B3	~0.6 ft core, the rest is rubble + gouge, lower etc // S <sub>2</sub>		
L	7566		7580			176	5D14*	Rubbled below 757' lower etc faulted?		
L	7580		7819			177	5B3	gradational toward SE, strongly calc + whitish appearance due to high CO <sub>2</sub> content. (SE @ EOT) Brecciated + fractured to 761 Broken core @ 763; 768.5		

Lithologic Log

Core	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	7819	7845		178	5B1A	(5B3) minor carbonaceous mat'l
L	7845	7909		179	5B1B	moderately calc. N. minor gouge. lower etc. rubbled
L	79109	810124		180	5B1D	5B0 + 5D* ank. imbedded + bixiated + network-veined by silica + CO <sub>2</sub> , minor 10Q0.
L	810124	810160		181	4E1A	(4K) → 802.4 4EA bria → 803.5 ± 4 4K → 804.2 → clasts of FeMg CO <sub>3</sub> 4A rubbled → 805.2 note cpy in 4K 4K → 805.7 4E → 806.0
L	810160	81113		182	5A101	(5B2) variably to non calcareous. Minor gouge @ 808.6 // 52
L	81113	813129		183	5B1B	Fault? interval is 90% gouge, rubble, 10Q0. The intact core is 5B2 moderately calc
L	813129	814116		184	5B1B	Becoming non calc toward FW. 20cm 10Q0 near #w.
L	814116	81558		185	4A11	some visible sphal. v. minor (4C0) imbd ± 3 minor local 3GZ phyllitic mat'l lower etc gradational, thru 4C-4E1.
L	81558	815182		186	4E1*4	cc. cc. gangue concentrated cobs + bands of gangue-rich ore. Red sp. ~ 30% CO <sub>2</sub> (should this be called 4K?) So strongly calc that I don't think there is any barite - but there may be some @ #w. lower etc gradational: 4E15
L	815182	815197		187	4A101	
L	815197	913108		188	5B1B	strongly calc 10Q0 879.3-880.6 minor broken core: 875, 883, 894, 897, 901, 912.5, gouge 930.3-930.5 minor 4L @ 929
L	913108	913144		189	4E101	(4E1) mostly bixiated, vuggy, rubbled
L	913144	913160		190	5A101	rubbled
L	913160	913180		191	4E101	(5A0) (4E1 @ #w). Vuggy, weathered, Fe stained. pyrite + CO <sub>2</sub> (4E*) I think CO <sub>2</sub> is secondary. Lower etc gouged cracks bria
L	913180	91560		192	5B1B	(5A0) variably calcareous. Arbitrary lower etc. gouge to 929 ft
L	91560	919110		193	5A101	variably calcareous

Lithologic Log

Date: \_\_\_\_\_ Logged By: JSM

Code	From				To				No.	Unit	Description
	1	10	14	16	20	22	24	26			
L	9911			1011120					94	5B1216	generally noncalc, very minor calc.
											(SA0)
L	1101120			1101330					95	51A101	(SB2) variably calcareous
											— gradational, transitional chrs #92-95
											EDH

Structural Log

Code	From		To		Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description
	10	14	16	20					
S			1350	1400	GSZ			65 21310	
S			1470	1500	CISZ			61 21310	
									see lith logs for zones of faulting evidenced by gouge rubble & broken core except where attitudes were observed.
S			11130	11300	GSZ			62 2130	
									22°/95° a fracture @ 129ft I don't know how representative this is but indications are from veining that faulting above could be of a similarly steep attitude
S			11320	11500				78 21310	
S			11500	11680				68 2130	
S			11680	118180				65 21310	
S			118180	12070				70 21310	
S			12070	12280				75 21310	
S			12280					75 21310	
									briated + silicified vein @ 35° to c.a. where s <sub>2</sub> is horizontal @ 219ft 3cm wide
S			12470	12610	PSZ			75 2130	
S			12610	12810	PSZ			76 2130	
S			12810	13050	PSZ			66 2130	
S			13050		GSZ			70 2130	
									@ 314ft possible fold nose E
S			131310		PSZ			65 2130	
									@ 360 34°/185° healed fracture w/ some (indeterm) offset
S			13600	13830	PSZ			46 2130	in 5C
S			13830	14090	PSZ			60 2130	
S			14090	14116	CSZ			53 2130	
S			14116		CISZ			65 2130	
									421.3-433.4 S <sub>1</sub> dominant?

Code	From		To		Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description
	10	14	16	20					
S			4316	5	C/SZ			615 230	
S			4519	3	C/SZ			71 231	
S			4770	0	P/SZ			66 230	
S			5011	0	P/SZ			61 230	
									mind gauge // S <sub>2</sub> @ 502 ft
									@ 513 fracture 20°/230°
S			5285	5	P/SZ			75 230	
									CO <sub>2</sub> tension cracks 45°/50°
									@ 535 ft
									→ note that these are 180° opp S <sub>2</sub>
S			5614	0	P/SZ			80 230	comp bands in sfs
S			5700	0	C/SZ			63 230	
S			5711	0	C/SZ			70 230	@ 571 ft 2 fracture orientations
									25°/100°; 75°/265°
									other fractures in same area:
									55°/70° 15°/50° 70°/95° 30°/350°
									little consistency seen
									@ 581 ft. tension cracks 25-35°/50°
									again opp. S <sub>2</sub>
S			5916	0	C/SZ			50 230	
									@ 600 ft 30°/50° tension cracks
S			6250	0	C/SZ			45 230	
									@ 651.4 possible fracture
									above gauge zone 45°/290°
									676-682 ft #70 no determ. att.
S			6985	5	C/SZ			70 230	
									719' 35°/350° fracture controlling
									small (4cm) gauge
S			7230	0	C/SZ			72 230	
S			7418	4	C/SZ			62 230	
S			7540	0	C/SZ			80 230	
									gauge in #75 // S <sub>2</sub>
									@ 758.2 fracturing in breccia
									@ 30° to CA



Structural Log

Code	From		To		Feature	E S <sub>0</sub>	S <sub>0</sub>			S <sub>1</sub>			S <sub>2</sub>			Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	
	22	24	26	28	32	34	38	40	44							
S				78125	C/SZ									819	230	
																@785.5 20°/50° CO <sub>2</sub> fracture
																@787 45°/185° CO <sub>2</sub> fracture
S				8107	C/SZ									57	230	
																Fault zone #83 only attitudes are relict S <sub>2</sub> ~ 60-75/230°
S				813180	C/SZ									53	230	
S				815125	P/SZ									64	230	S <sub>2</sub> in 4A
S				816110	P/SZ									62	230	
S				88150	P/SZ									70	230	
																@901.5 50°/185° poss fracture controlling minor gouge
																30°/50° fracture system @ 907
S				9090	C/SZ									60	230	
																@ 931 small gouge // S <sub>2</sub> @ 71/230
S				94180	P/SZ									65	230	
																@954 15°/50° CO <sub>2</sub> fracture fills
S				91580	P/SZ									78	230	
S				91840	C/SZ									80	230	
S				101080	C/SZ									75	230	
S				102310	C/SZ									80	230	
																EOH

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO		SAMPLE				INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	42		
P	1537	2	1540	4	70115	122	124	1447	(4H0) (4G4) (5D4*)						
P	1540	4	1544	3	70116	139	136	1450	I4						
P	1544	3	1553	3	70117	190	180	14E01	(4K0, 4E*)						
P	1553	0	1554	6	70118	117	116	14E18							
P	1554	6	1556	5	70119	165	119	15D4*							
P	1556	5	1562	0	70120	155	155	14E18							
P	1656	0	1661	0	910101	150	?		} 4E4/4E1, 4G4, 4L, 70) } whole core sampled by KA } Kerr Addison sample #'s } 3409-3413. } green cone } + 04B						
P	1661	0	1666	0	910102	150	?								
P	1666	0	1671	0	910103	150	?								
P	1671	0	1675	5	910104	145	?								
P	1675	5	1681	2	910105	170	?								
P	1802	4	1806	0	70211	136	135	14EA1	(4K)						
P	1841	6	1848	4	70212	168	168	14A11							
P	1848	4	1855	8	70213	174	174	14A11							
P	1855	8	1858	2	70214	124	124	14E*4CC							
P	1858	2	1859	7	70215	115	115	14A10							
P	1930	8	1934	4	70216	136	136	14E01	(4E1)						
P	1934	4	1936	0	70217	116	111	15A10							
P	1936	0	1938	0	70218	120	115	14E01	(5A0) (4E*)						

FEET

FAULT

DDH F.A.G.A.004  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: 14 Oct 83 Logged By: \_\_\_\_\_

Code	From				To				Feature	SYM	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F	1100		1645	20	22	24	26	28									zones of broken core ~ 25% of interval
F	1645		11010														Fault zone - sand & rubble Kerr-Addison indicates 10% recovery
F	11010		11080														Much broken on S <sub>2</sub>
F			11035														rubble
F	11080		11120														rubble & gtz vein
F	11137		11155														poker chip core & rubble
F			11290								212	212.5					fracture - orientation 22/095 - probably related to faulting
F			121190								350	0100					bxed & silicified veins @ 035° core axis
F	121470		12710														much poker chip core
F	131170		13270														broken core & poor recovery
F	13475		13557														rubble & broken core
F			13610								314	311.5					healed fracture w/ some indet. offset
F	13871		13986														broken & rubble core
F	13986		140113														fracture bxed, broken & rubble
F			150120								919	919.9					minor gauge // S <sub>2</sub>
F			151130								210	000					fractures w/ orient 20/230
F			15350								45	1180					Tension gashes
F			15710								215	2130					fractures
F			15715								215	93.5					fractures
F			15810								310	1180					Tension gashes
F			16010														Tension gashes 30-50° core axis
F			163190														gauge
F	16514		16564							415	060						rubble & minor gauge
F	16564		16760														fracture above gauge zone
F	16760		16820														K-A sample no core
F			16835														fault - rubble & gauge - at EOE have 4D bxa
F	16835		16847								919	919.9					broken & gauge // S <sub>2</sub>
F			16856								919	919.9					// S <sub>2</sub> broken & gauge

Feet

FAULT

DDH F.A.G.A.004  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: 14 Oct/03 Logged By: \_\_\_\_\_

Core ID	From		To		Feature	E N	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20			22	24	26	28	32	34	
F	16910	0	16911	0	BIG				919	919	919		brkn & gougy // S <sub>2</sub>
F	17148	9	17513	0	M/N								no core - hole deepened from here
F	17513	0	17516	6	RIG	1					919	919	16% recovery rubble & gouge lower contact // S <sub>2</sub>
F			17119	0	IG				315	1120			fracture controlled gouge
F	17517	0	17518	0	R								rubble / fracture 30° C.A.
F	17518	0	17610		XLS								brkd & fractured
F			17630		B								broken core
F			17685		B								broken core
F			17815	5	JIG				210	11810			CO <sub>2</sub> <sup>-</sup> fracture
F			17817	0	JIG				415	3115			CO <sub>2</sub> <sup>-</sup> fracture
F	17910	9	18024		XIG								brkd & network veins by g <sub>2</sub> -CO <sub>2</sub> <sup>-</sup>
F	18102	4	18103	5	X								brkd
F	18104	2	18105	2	R								rubbled
F	18111	3	18132	9	FGR								90% gouge, rubble, 1000
F	18171	3	18181	0	Q								1000
F	19131	3	19131	5	IG								gouge
F			19191	5	JIG				510	3115			fracture controlling minor gouge
F			18103	6	IG				919	919	919		minor gouge // S <sub>2</sub>
F	19131	8	19131	4	XIR								brkd, ruggy, rubbled
F	19131	4	19131	6	R								rubbled
F	19131	6	19131	8	XIQ								pyrite + CO <sub>2</sub> <sup>-</sup> brkd crack brkd
F			19107	0	J				310	11810			fracture system
F			19131	0	IG				919	919	919		small gouges // S <sub>2</sub>
F			19154	0	JIQ				115	11810			CO <sub>2</sub> <sup>-</sup> filled fractures

GEOTECHNICAL LOG

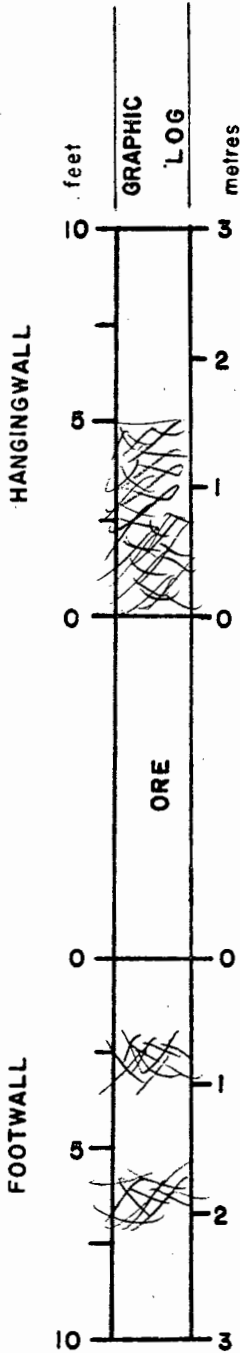
Feet

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	3		527.2	Relatively competent Broken on S <sub>2</sub>	$\frac{0}{30}$	30m	5BZ (5A19)	
5	2		537.2					
0	0	ORE			SIZE OF CORE			
0	0		562.0	competent	$\frac{2.3}{3.0}$	15cm	5B0 5B8	
5	1							
10	3		572.0					

FOOTWALL

GEOTECHNICAL LOG

feet



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
646	COMPETENT	$\frac{30}{115}$	3cm	5B0 (5B2)	
	Very Broken Incompetent	0	gouge & rubble		
656		SIZE OF CORE			
682	Moderately incompetent	$\frac{0}{30}$	3cm 0 3cm 0 3cm	5B6 ± 2	
692					

GEOTECHNICAL LOG

Feet

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	3		792.4	COMPETENT	1.5 3.0	18 cm	5B2D	
5	2		802.4					
0	0				SIZE OF CORE			
		ORE						
0	0		806.0	Moderately Competent	.2 3.0		5A0	Note bad fault zone just below 816
5	2	X f		Minor broken core		1/2cm - 10cm avg 3cm	5B2? Fault	
10	3	X f	816.0					

FOOTWALL

feet

10

5

0

0

5

10

metres

3

2

0

0

2

3



GEOTECHNICAL LOG

Feet

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	3	X	920.8	Moderately comp	$\frac{11}{3.0}$	5cm	5B2	
5	2	X		Minor broken core				
0	0	X	930.8					
		ORE			SIZE OF CORE			
					BQ			
0	0	<del>X</del>	938	→ goes Moderately comp	$\frac{1}{3.0}$	4cm	5B2 (5A0)	
5	1							
10	3		948					

FOOTWALL

feet

GRAPHIC LOG

metres

INTERVAL

QUALITY

RQD

AVERAGE PARTING (cm)

LITHOLOGY

NOTES

ORE

SIZE OF CORE

BQ

5B2 (5A0)

# DDH: FAGA004 -- 42 DEGREE PROFILE

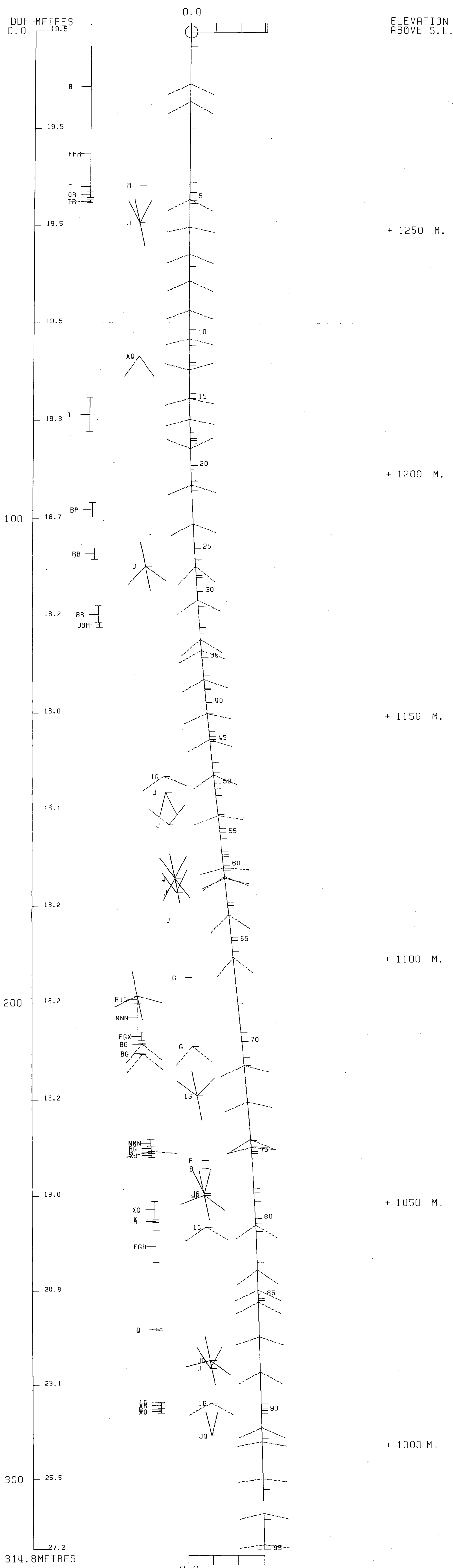
( VIEW AZIMUTH = 312 DEGREES )

ELEV: 1287 592170E ; 904922N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 356.9 Z = 1290.6

SECTION NAME: 75W



DDH: FAGA004 -- 42 DEGREE PROFILE

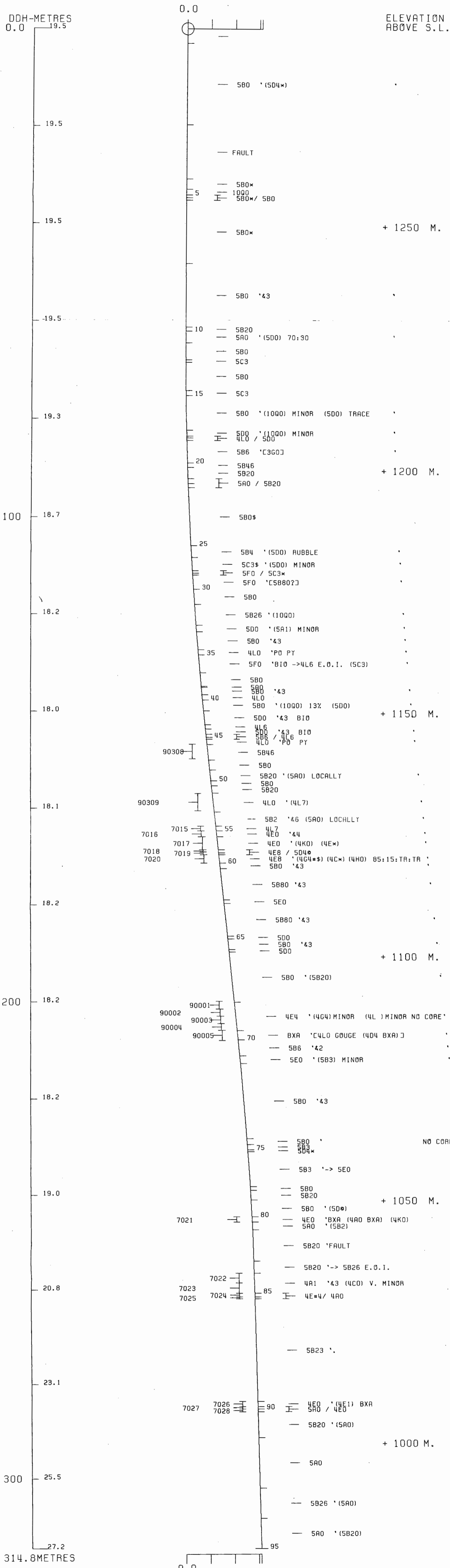
( VIEW AZIMUTH = 312 DEGREES )

ELEV:1287 592170E ; 904922N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 356.9 Z = 1290.6

SECTION NAME: 75W



FAGA009

DRILL HOLE : FAGA009  
NORTHING : 905,103.2  
EASTING : 592,322.4  
ELEVATION : 1,302.3  
TOTAL DEPTH : 232.0  
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: 19  
NOS DOWN-H-SURVEYS: 5  
NOS DOWN-H-LITHOLOGY: 63  
NOS DOWN-H-STRUCTURE: 28  
NOS DOWN-H-FAULTS: 37  
NOS DOWN-H-SPLINES: 5  
NOS COMPOSITES: 0

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 3

DDH: FAGA009 UTM-N: 905,103.2 UTM-E: 592,322.4 UTM-ELEV: 1,302.3 TOTAL DEPTH: 232.0 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
61.000	175.900	137.000
121.900	170.200	123.000
182.900	168.800	114.000
219.500	170.000	93.000



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## DOWN-HOLE LITHOLOGY (DM020)

PAGE: 4

DDH: FAGA009 UTM-N: 905,103.2 UTM-E: 592,322.4 UTM-ELEV: 1,302.3 TOTAL DEPTH: 232.0 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
23.2	0001	#		0.5-	1
24.0	0002	5D0		0.5-	1
47.0	0003	5B0	(10Q0) V. MINOR	0.5-	1
50.2	0004	5D0	(5B0) MINOR	0.5-	1
50.6	0005	5B20		0.5-	1
52.6	0006	5D0	(5B0) V. MINOR	0.5-	1
53.2	0007	5B20		0.5-	1
55.3	0008	5B0		0.5-	1
68.7	0009	5B38	(5E0) 98:02	0.5-	1
69.0	0010	5D0		0.5-	1
70.1	0011	5B0		0.5-	1
70.7	0012	5B20		0.5-	1
77.4	0013	5B0		0.5-	1
78.2	0014	5D0		0.5-	1
78.7	0015	4L0		0.5-	1
79.9	0016	5B\$	BXA	0.5-	1
82.3	0017	4L71		0.5-	1
83.2	0018	5D0		0.5-	1
83.9	0019	4LC		0.5-	1
86.4	0020	5B26	\$ MINOR [3G9 \$ MINOR]	0.5-	1
93.2	0021	5A0		0.5-	1
93.8	0022	4L6	(10Q0) 50:50	0.5-	1
96.7	0023	5B26		0.5-	1
98.1	0024	5A0	(5A19)	0.5-	1
110.3	0025	5B26	[3G9] (5A6 [3E0]) MINOR	0.5-	1
113.9	0026	FAULT	5A 10Q0	0.5-	1
114.4	0027	4A4	(4E4) NO CORE	0.5-	1
115.7	0028	4L4	NO CORE	0.5-	1
117.1	0029	4L4	NO CORE	0.5-	1
120.7	0030	4A4	NO CORE	0.5-	1
124.6	0031	4L1	\$4 NO CORE	0.5-	1
125.0	0032	3G91	[5B216]	0.5-	1
127.2	0033	4E4	(4E1)	0.5-	1
128.9	0034	4L0	(10Q0) 50:50	0.5-	1
130.5	0035	4L0		0.5-	1
132.3	0036	3G91	6(SPH) V. MINOR [5B216 9]	0.5-	1
141.5	0037	4A14	PHYLLITIC NO CORE	0.5-	1
146.0	0038	4A4	\$1	0.5-	1
147.3	0039	3G9	[5B26] (5D4) 60:40	0.5-	1
148.8	0040	5C4@	[5D4\$]	0.5-	1
149.7	0041	3G9	[5B26]	0.5-	1
152.1	0042	10Q0	RUBBLE	0.5-	1
158.3	0043	3G0	[5B6]	0.5-	1
159.9	0044	5D4@	(5A6 [3E0]) MINOR	0.5-	1
160.2	0045	4K0		0.5-	1
161.3	0046	5D4	(4E4)	0.5-	1
162.2	0047	4K0	\$ (5D4)	0.5-	1
162.9	0048	3G9	[5B26] (10Q0) (5D4)	0.5-	1
169.7	0049	3G0	[5B6]	0.5-	1
171.1	0050	10Q0	RUBBLE	0.5-	1
179.2	0051	3G0	[5B6]	0.5-	1

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DOWN-HOLE LITHOLOGY (DH020)

PAGE: 5

DDH: FAGA009 UTM-N: 905,103.2 UTM-E: 592,322.4 UTM-ELEV: 1,302.3 TOTAL DEPTH: 232.0 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
180.4	0052	3G9	[5826]	0.5-	1
182.0	0053	3GC	[586]	0.5-	1
182.7	0054	3G9	[5826]	0.5-	1
199.0	0055	3G0	[586]	0.5-	1
200.0	0056	4L0		0.5-	1
214.9	0057	3GC	[586]	0.5-	1
216.0	0058	3G0	GOUGE	0.5-	1
216.9	0059	3G0		0.5-	1
218.8	0060	3GC	GOUGE	0.5-	1
219.9	0061	3G0	[586]	0.5-	1
222.0	0062	4L0		0.5-	1
232.0	0063	3G0	[586]	0.5-	1

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## DOWN-HOLE STRUCTURE (DHO20)

PAGE: 6

DDH: FAGA009 UTM-N: 905,103.2 UTM-E: 592,322.4 UTM-ELEV: 1,302.3 TOTAL DEPTH: 232.0 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	DMDC	SDC	PROCESS	
FAGA009	0.0	24.5	CS2	0	0	68	230	0	1	1	1
FAGA009	0.0	30.4	CS2	0	0	70	230	0	1	1	1
FAGA009	0.0	38.4	CS2	0	0	62	230	0	1	1	1
FAGA009	0.0	46.0	CS2	0	0	65	230	0	1	1	1
FAGA009	0.0	54.3	CS2	0	0	67	230	0	1	1	1
FAGA009	0.0	66.4	CS2	0	0	60	230	0	1	1	1
FAGA009	0.0	72.1	CS2	0	0	60	230	0	1	1	1
FAGA009	0.0	77.7	PS2	0	0	59	230	0	1	1	1
FAGA009	0.0	84.1	CS2	0	0	56	230	0	1	1	1
FAGA009	0.0	92.7	CS2	0	0	67	230	0	1	1	1
FAGA009	0.0	97.5	CS2	0	0	66	230	0	1	1	1
FAGA009	0.0	106.1	CS2	0	0	56	230	0	1	1	1
FAGA009	0.0	124.7	CS2	0	0	72	230	0	1	1	1
FAGA009	0.0	131.1	CS2	0	0	56	230	0	1	1	1
FAGA009	0.0	142.6	CS2	0	0	62	230	0	1	1	1
FAGA009	0.0	153.3	PS2	0	0	80	230	0	1	1	1
FAGA009	0.0	159.4	PS2	0	0	64	230	0	1	1	1
FAGA009	0.0	164.0	PS2	0	0	80	230	0	1	1	1
FAGA009	0.0	172.5	CS2	0	0	69	230	0	1	1	1
FAGA009	0.0	178.9	CS2	0	0	78	230	0	1	1	1
FAGA009	0.0	185.0	CS2	0	0	73	230	0	1	1	1
FAGA009	0.0	192.3	CS2	0	0	69	230	0	1	1	1
FAGA009	0.0	198.7	CS2	0	0	68	230	0	1	1	1
FAGA009	0.0	203.9	CS2	0	0	65	230	0	1	1	1
FAGA009	0.0	210.3	CS2	0	0	65	230	0	1	1	1
FAGA009	0.0	219.2	CS2	0	0	66	230	0	1	1	1
FAGA009	0.0	223.7	CS2	0	0	65	230	0	1	1	1
FAGA009	0.0	229.2	CS2	0	0	72	230	0	1	1	1

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## DOWN-HOLE FAULTS (DHO20)

PAGE: 7

DDH: FAGA009 UTM-N: 905,103.2 UTM-E: 592,322.4 UTM-ELEV: 1,302.3 TOTAL DEPTH: 232.0 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
FAGA009	28.2	28.8	B				0	0	0	1
FAGA009	0.0	32.6	B				0	0	0	1
FAGA009	0.0	32.9	B				0	0	0	1
FAGA009	0.0	40.3	B				0	0	0	1
FAGA009	0.0	45.5	B				0	0	0	1
FAGA009	38.4	47.0	P	5			0	0	0	1
FAGA009	55.2	68.6	T				0	0	0	1
FAGA009	70.7	77.4	Q				0	99	999	1
FAGA009	78.6	79.8	XP				0	35	0	1
FAGA009	79.8	82.2	XD?				0	0	0	1
FAGA009	0.0	85.1	1G				0	0	0	1
FAGAC09	0.0	91.1	J1G				0	0	0	1
FAGA009	110.3	113.9	RPF	0			0	0	0	1
FAGAC09	113.9	124.6	NNN				0	0	0	1
FAGAC09	132.2	141.5	NNN				0	0	0	1
FAGAC09	143.2	143.7	P				0	0	0	1
FAGA009	149.6	152.0	QPR				0	0	0	1
FAGA009	160.1	161.3	2B				0	0	0	1
FAGAC09	0.0	162.1	X				0	0	0	1
FAGA009	169.6	171.1	QR				0	0	0	1
FAGA009	0.0	176.1	J				0	25	270	1
FAGA009	0.0	177.8	JX				0	42	180	1
FAGA009	0.0	193.3	1G				57	50	0	1
FAGA009	0.0	194.7	JX				0	32	180	1
FAGAC09	0.0	196.5	1G				0	0	0	1
FAGAC09	0.0	197.6	1G				42	200	0	1
FAGAC09	0.0	199.2	1G				0	0	0	1
FAGA009	0.0	205.4	1G				0	0	0	1
FAGA009	199.9	214.8	BTR				0	0	0	1
FAGA009	214.8	215.9	G				0	0	0	1
FAGA009	215.9	216.8	T				0	0	0	1
FAGA009	216.8	218.8	G				0	0	0	1
FAGA009	0.0	222.0					0	45	0	1
FAGA009	0.0	226.0	1G				0	0	0	1
FAGA009	0.0	229.5	1G				0	0	0	1
FAGA009	0.0	230.4	1G				0	0	0	1
FAGA009	0.0	231.9	X1G				0	60	0	1

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DOWN-HOLE SPLINES (DH020)

PAGE: 8

DDH: FAGA009 UTM-N: 905,103.2 UTM-E: 592,322.4 UTM-ELEV: 1,302.3 TOTAL DEPTH: 232.0 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA009	1	2
FAGA009	2	2
FAGA009	3	2
FAGA009	4	2
FAGA009	5	1

DIAMOND DRILL CORE LOG

Date: \_\_\_\_\_

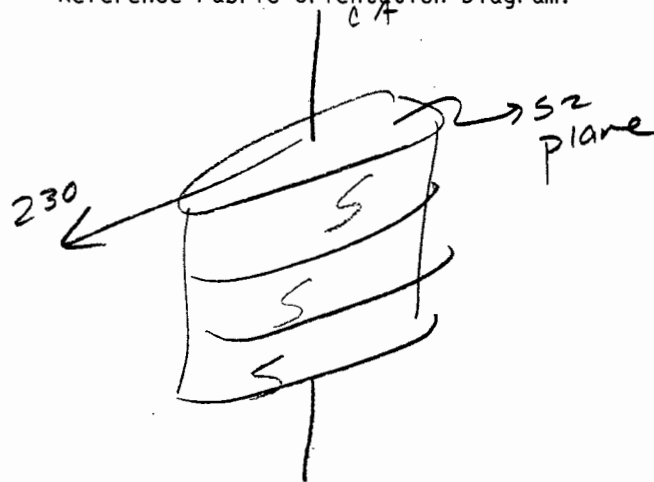
Hole Number: FAG A009

Reference Fabric Orientation Diagram:

Project: Gram Rebg 76W

Location: Vangorda Plateau

Claim: \_\_\_\_\_



UTM

Terr. Plane Co-ords.: 6905103.1<sup>2</sup> rounding N

1979 HZWS Survey

592322.4 E

Grid Co-ords: 76W/7N

All ~~symmetry~~ determinations looking

Elevation: 1302.3

NW with S<sub>2</sub> dipping

Total Depth: 761 ft.

SW with dip azimuth 230°.

Purpose: \_\_\_\_\_

Reason hole Terminated: \_\_\_\_\_

Re

Logged by: JSM

Date(s) Logged: June 30, 1981 - July 1, 1981

Drilling Contractor: \_\_\_\_\_

Size	CORE From	To	Collar Cased and Capped:
<u>BQ</u>	<u>76'</u>	<u>761'</u>	_____

Hole Cemented: \_\_\_\_\_

Steel down hole: \_\_\_\_\_

Started: 5/11/74 Completed: 5/18/74



154.2  
126.1  
28.1

Code	From				To				Recov.				No.	Unit	Description
	1	10	14	16	20	22	24	26	28	30	34	35			
L			00				760						1		o/B triconed
L			760				789						2	5D0	
L			789				1542		6310				3	5B0	broken 92.6-94.8, 107, 108, 132.5, 149.5 v minor 1000, minor CO <sub>2</sub> veining + tension gashes Poor (recovery btwn 1261-154.2 (16.5/28.1) but no indication (other than minor broken core) of faulting. No explanation in KA logs.
L			1542				1646						4	5D0	(1000 @ 156) (5B0 int bds @ 160, 162.8)
L			1646				1660						5	5B2	very very minor carbonaceous mat'l
L			1660				1726						6	5D0	(thin 5B0 int bd @ 169.6)
L			1726				1746						7	5B2	
L			1746				1814						8	5B0	
L			1814				2253						9	5B38	loss of grea sericite, leaves chlorite as only mica Much pocket chipped core (5E0 196.3-197.3) strongly calc throughout
L			2253				2265						10	5D0	
L			2265				2299						11	5B0	
L			2299				2320						12	5B2	
L			2320				2540						13	5B0	abundant 3cm thick qtz-CO <sub>2</sub> veins // S <sub>2</sub> minor broken core
L			2540				2566						14	5D0	minor * ank @ F.w otherwise cc.
L			2566				2582						15	4L0	
L			2582				2620		210				16	5B*	Dolomitic, Note oxidation + pool (cc'vly. Fault?)
L			2620				2700						17	4L7	Only one band of stf is magnetic but the whole interval is strongly Fe-stained the way po-rich 4L gets. Perhaps the po has been weathered out or it is the non- magnetic (monoclinic?) variety. ? Some of the 4L is as large clasts w/in Fe-stained, finer grained matrix Whole interval is silicified
L			2700				2730						18	5D0	more sericitic than usual - still calc.
L			2730				2752						19	4L0	
L			2752				2833						20	5B26	[3GZ] plus v. minor local * dolomite

Fu. CTC  
sharp fault  
46°/10  
sharp // S<sub>2</sub>  
sharp // S<sub>2</sub>  
sharp // S<sub>2</sub>  
grad // S<sub>2</sub>  
grad // S<sub>2</sub>  
silicified  
1000  
sharp // S<sub>2</sub>  
// S<sub>2</sub>  
// S<sub>2</sub>  
broken  
// S<sub>2</sub>  
// S<sub>2</sub>  
broken  
broken  
// S<sub>2</sub>  
grad // S<sub>2</sub>

Code	From		To		Recov.		No.		Unit	Description	
	10	14	16	20	22	24	26	28			30
										minor gouge 279.5	lower etc arbitrary
L	12833		13058					121	5A0	minor 1000 variably calc (weak to non)	grad.
L	13058		13077					122	4L6	+1000 ~ 50:50	1/5z
L	13077		13174					123	5B26		1/5z
L	13174		13217					124	5A0 (5A19)		1/5z
L	13217		13620					125	5B26	[3G2] plus minor (5A6) [3E0]	rubbled
L	13620		13738		110			126	FAWLT	? ~ 1/4 of rubble rec'd 5A+1000	
L	13738		13753					127	4A4 (4E4)		} whole core sampled Liths interp from KA logs
L	13753		13795					128	4L0		
L	13795		13847					129	4L4		
L	13847		13960					130	4A4		
L	13960		14088					131	4L1	± 4 plus minor phyllitic partings	
L	14088		14100					132	3G91	[5B216]	broken
L	14100		14174					133	4E4	(4A partings) (4E1) (4L)	
L	14174		14230					134	4L0	+1000 ~ 50:50	
										1000 is 1/5z + leads to vuggy w/ Fe <sub>2</sub> O <sub>3</sub> patches or sfd patches	broken
L	14230		14280					135	4L0	very minor broken: 4B sericitic, 5B4, 4A1, 1000.	
										The last 20 cm of the interval looks like bleached 4A.	Lower etc 1/5z
L	14280		143140					136	3G91	[5B216] plus minor 9 (sphalerite)	
L	143140		146144					137	4A114	+3G2 finely interlam or 4A14 phyllitic } whole core sampled from 2-30 to sfd's	
										Lith interp from KA logs	
L	146144		14790					138	4A4	± 1 + 3G2 finely interlam (Poor rec'y 470-471.5)	silicified
L	14790		14833					139	3G9	(5D4 ~ 40%) This is sort of a transition zone btwn 38 + 40	
										[5B26]	1/5z
L	14833		14887					140	5C4*	ank, ser, minor marip blebs. This is mostly 5D4* w/ marip blebs but one small section of mottled leads me to call it 5C.	

Core	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	488			491						41	3G9	[5B26]
L	491			490				25		42	10Q0	Rubble d Fault? Note poor recov, maybe just drilling artifact.
L	490			494						43	3G10	[5B6]
L	519			524						44	5D4*	ank, ser. minor marip blebs, minor py blebs. Two interbeds: [3E0] - 28cm of 5A6+4E4 @ 520.2-521.0 - 17cm of 5A6 [3E0] @ 523.2 losing ankerite stain @ F.W.
L	524			525						45	4K0	
L	525			529						46	5D4	(4E4) (graph partings) Interval is quite broken, more than just by splitting. And inhomogenous
L	529			532						47	4K10	(5D4 interbed) Both of these 4K0 units are: 50:50 py:CO <sub>3</sub> . Carbonate is off-white dolomitic or FeMgCO <sub>3</sub> . Banded to patchy Lower etc = fault or fracture bia
L	532			534						48	3G9	(10Q0) (5D4) [5B26]
L	534			556						49	3G10	[5B6] monotonous grey phyllite
L	556			561						50	10Q0	Locally rubbled
L	561			588						51	3G10	[5B6] minor 10Q0, minor broken core
L	588			591						52	3G9	[5B26]
L	591			597						53	3G10	[5B6] } etc's gradational
L	597			599						54	3G9	[5B26]
L	599			652						55	3G10	[5B6] } minor 10Q0 minor gouge @ 634.5, 645, 648.5
L	652			656						56	4L0	bleached phyllite minor gouge @ 653.7
L	656			705						57	3G10	[5B6] } 4L+10Q0 near H.W.; minor 3E2 → 3E near F.W. core is mostly broken: poker chips, rubble, minor gouge as at 664,
L	705			708						58	3G10	? Mostly gouged (not clayey but broken into tiny bits)
L	708			711						59	3G10	grey phyllite broken into 1cm poker chips

F.W. CTC

broken

broken

rubbled

broken

gradat.

1/52

1/52

DDH F.A.G.A.0.0.9  
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: \_\_\_\_\_ Logged By: JSM

Code	From				To				Recov.				No.	Unit	Description
	10	14	16	20	22	24	26	28	30	34	35				
L	7115		7180						160	390				? Nearly all gouged as # 58, Note an intact piece of 4A1 + 3G2.	Fw. CT
L	7180		7215						161	390				[5B6]	1/32
L	7215		7285						162	440					faulted
L	7285		7610						163	390				[5B6]	
														Minor gouge: 741.5, 753, 756, 761	gouged
														EDH	

Structural Log

Code	From				To				Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description	
	10	14	16	20	22	24	26	28						32
S				1805				CSZ				618	2310	
S				1998				CSZ				70	230	
S				1260				CSZ				612	230	
S				1510				CSZ				65	2310	
S				1783				CSZ				672	230	
S				2180				CSZ				60	230	
S				2365				CSZ				60	230	
S				2550				PSZ				59	230	5D
														@ 261 bria = 35°/230°
S				2760				CSZ				56	2310	
S				3040				CSZ				67	2310	
S				3200				CSZ				66	230	
S				3480				CSZ				56	230	
														@ 299 fracture w/ minor gouge @ 35° to CA. where S <sub>2</sub> is warped + close to horiz.
S				4090				CSZ				72	230	
S				4300				CSZ				56	230	
S				4680				CSZ				62	230	S <sub>2</sub> in 4A
S				5030				PSZ				80	230	
S				5230				PSZ				64	230	
S				5380				PSZ				80	230	
S				5660				CSZ				69	230	
														@ 578 25°/140° fairly significant fracture
														@ 583.5 42°/50° fracture w/ minor bria
S				5870				CSZ				78	230	
S				6070				CSZ				73	230	
S				6310				CSZ				69	230	
														@ 634.5 57°/50° top fracture to small gouge.
														@ 639 32°/50° fracture w/ some bria

Structural Log

Code	From		To		Feature	SYN	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14	16	20			22	24	26	28	32	34		38
														@ 648.5 42°/200° fracture @ top of small gouge
S				6520	CSZ							68230		
														gouge zone @ 664 no good attitude 45°/50° seems extra strongly gouged thru preserved S <sub>2</sub>
S				6690	CSZ							65230		
														@ 674 minor gouge 33°/230°
S				6900	CSZ							65230		
S				7190	CSZ							66730		
														@ 728.5 faulted etc? 45°/230° where S <sub>2</sub> is 70°/230°
S				7340	CSZ							65230		
S				7520	CSZ							72230		
														@ 761 60°/230° slight breccia 1152 above gouge @ EOH

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
P	137	138	137	138	91010120		150						
P	137	138	138	138	91010121		150						Kerr Addison sample #'s 2506 → 2510. whole core sampled for MET tests
P	138	138	138	138	9100122		150						
P	138	138	139	138	91010123		150						
P	139	138	139	138	91010124		150						
P	139	138	140	138	91010125		150						
P	140	138	140	138	91010126		150						
P	141	100	141	174	170175	174	169	14E4	(4A partings) (4E1)(4L)				#33
P	143	140	143	190	91010127		150						K.A. sample #'s 2512 → 2516A #37
P	143	190	144	140	91010128		150						
P	144	140	144	190	91010129		150						
P	144	190	145	140	91010130		150						
P	145	140	145	190	91010131		150						
P	145	190	146	140	91010132		150						
P	146	144	147	125	170176	161	161	14A4	±1 +362				#38
P	147	125	147	190	170177	165	165	14A4	±1 +362				#38
P	152	147	152	155	170178	108	106	14K0					#45
P	152	155	152	192	170179	137	137	15D4	(4E4) (graph partings)				#46
P	152	192	153	120	170180	128	148	14K0	15D4				#47
													Note: K.A. assayed this hole for Cu + Au as well as Pb Zn Ag

FEET

#1

#2

#3

1 Feet

FAULT

DDH FAG.A.0.0.9  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: 14 Oct 83 Logged By: \_\_\_\_\_

Code	From				To				Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description	
	10	14	16	20	22	24	26	28						32
F	19	12	6	19	14	8	B <sub>1</sub>						} broken	
F				11	01	7	B <sub>1</sub>							
F				11	01	8	B <sub>1</sub>							
F				11	32	5	B <sub>1</sub>							
F				11	49	5	B <sub>1</sub>							
F	11	21	6	11	54	2	P	5					59% recovery - no faulting noted	
F	11	81	4	12	25	3	T						much poorer chipped core	
F	12	31	2	12	54	0	Q			919	919		abundant 3cm. qtz-CO <sub>2</sub> veins	
F	12	58	2	12	62	0	XI	P		315	010		poor recovery	
F	12	62	0	12	71	0	XI	D?					4L as large clots w/in sulfide matrix	
F				12	79	5	I	G					minor gouge	
F				12	99	0	D	I	G					fracture w/ minor gouge @ 35° CA S <sub>2</sub> distorted here
F	13	61	2	13	73	8	R	P	F	O				8% recovery of rubble
F	13	73	8	14	01	8	N	M	M					Kerr-Add. sample - No core
F	14	31	4	14	64	4	N	M	M					K-A sample No core
F	14	71	0	14	71	5	P							poor recovery
F	14	91	0	14	99	0	Q	P	R					rubble, poor recovery
F	15	21	5	15	29	2	B							quite broken
F				15	32	0	X							fault or fracture @ X
F	15	56	7	15	61	5	Q	P	R					largely rubble
F				15	78	0	J			215	217	0		fairly significant fracture
F				15	81	3	J	X		412	118	0		fracture w/ minor bixiation
F				16	31	4	J	I	G	517	015	0		fracture at top of minor gouge
F				16	31	9	J	X		312	118	0		fracture w/ some bixiation
F				16	45	0	I	G						minor gouge
F				16	41	8	J	I	G	412	210	0		fracture @ top of small gouge
F				16	53	7	I	G						minor gouge
F	16	56	1	17	05	0	B	T	I	R				broken, rubble, pale chips
F	17	05	0	17	01	8	G							mostly gauged
F	17	08	5	17	11	5	T							thin pale chips
F	17	11	5	17	18	0	G							nearly all gauged
F				16	71	4	I	G		313	010	0		minor gouge
F				17	21	8	G			415	010	0		

*Fect*

*Fault*

DDH FAGAD009  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

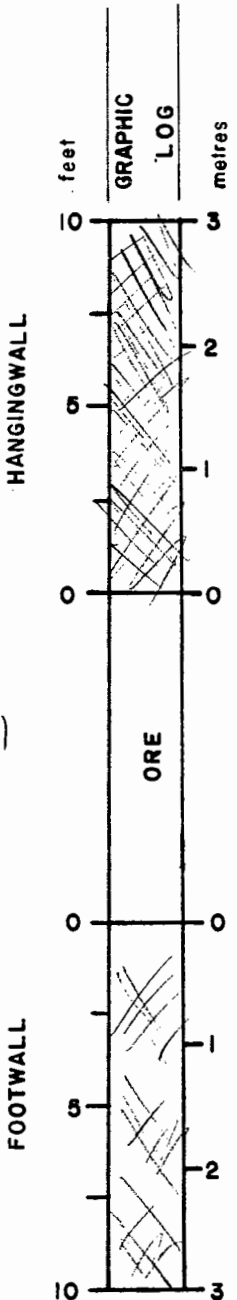
# Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From		To		Feature	E S	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct	
1	22	24	26	28	32	34	38	40	44				
				17610	XIG			60	010	0			
				17415	IG								
				17530	IG								
				17560	IG								

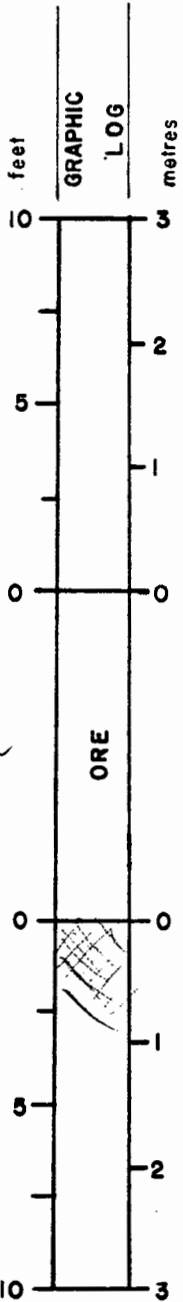
GEOTECHNICAL LOG

Feet



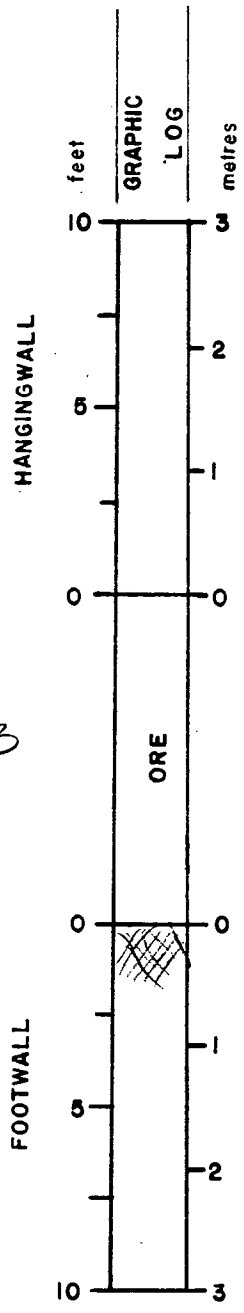
INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
263.8 373.8	Incompetent? ~1 ft of rubble recovered 362-373.8	0	0	5A0 + 10Q0 rubble	
		SIZE OF CORE BQ			
417.4 427.4	Moderately incompetent Much broken core	1/10 3.0	5cm	4L0 + 10Q0 4L0 (SB4 4A1, 10G0)	

GEOTECHNICAL LOG



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
424	" Competent	$\frac{11}{3.0}$	8cm	4L0 3491	
434		SIZE OF CORE BQ			
479	} broken ~ COMPETENT	$\frac{1.59}{3.0}$	2cm 9cm	349 504* 349	
489					

GEOTECHNICAL LOG



#3

INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
514.7	COMPETENT	$\frac{1.3}{3.0}$	10cm	3G0 5D4*	
524.7		SIZE OF CORE BQ			
532	broken COMPETENT	$\frac{1.0}{3.0}$	5-10 cm	3G0 3G0	
542					









# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

D.D.H. No. A - 9

PAGE 5 of 7

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_



CLAIM No. \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

DIRECTION AND DISTANCE FROM \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

Proposed:  
DEPTH Ultimate: \_\_\_\_\_

NE. CLAIM POST \_\_\_\_\_

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		massive at 439. Grain size up to 1 - 2 mm. Bands concentrated in F2 foliation. Core angles: 374' = 70; 380' = 67; 385' = F, 35 = 84; 391 = 70; 399 = F1 subvertical; F2 = 86°; 405 = F1 high angles to F2, F2 = 80; 409 = F2 = 83° axial planar to F1 folds; 416 - 67; 425 - F1, layers 45 - 75°; 428 - 66; 437 - 74; 441 - 55°. Note 433' - F1, dip 63° in opposite direction is F2.													
				2512	434	439	5.	2.85	6.12	1.68	.01	.08			
				2513		444	5	5.55	10.52	2.80	.04	.12			
443	464	Pale grey (silicified) mineralized PHYLITE, Thin QUARTZ FELDSPATHIC LAMINAE. Mineralization varies from 2 - 30%. Micaceous bands GRAPHITIC. Main mineralization from 453'6" - red SPHALERITE, PYRITE, CHALCO, GALENA. Where heavily mineralized looks brecciated.		2514	444	449	5	7.50	10.63	2.78	.02	.09			
				2515		454	5	7.35	11.88	3.01	.03	.10			
				2516		459	5	2.45	5.16	2.18	.02	.05			
				2516A		464	5	1.90	4.26	1.62	.02	.04			
				<i>W-16</i>	439.0	454	15	6.80	11.01	2.86			<i>5x</i> 20.4	33.03	8.59
				<i>W-16</i>	454	464	10	2.18	4.71	1.90			<i>5x</i> 4.35	9.42	3.80
464	483	Same mineralized PHYLITE with up to 25 - 30% red SPHALERITE PYRITE, GALENA, CHALCOPYRITE. Brecciated at 472, 478. Mineralization mainly concentrated in F2. Last 4' of section rich in SERICITE		2517	464	469	5	2.93	7.08	1.50	.02	.05			
				2518		474	5	4.28	8.50	2.86	.02	.10			
				2519		479	5	4.13	6.24	1.82	.02	.07			
				<i>W-16</i>	464	479	15	3.78	7.27	2.06			<i>5x</i> 11.34	21.82	6.18
				<i>W-16</i>	479	479	0	4.51	5.55	2.32			26.09	1.27	8.59
				<i>W-16</i>	479	479	0	4.53	7.52	2.25			25.74	11.27	20.24





# DDH: FAGA009 -- 42 DEGREE PROFILE

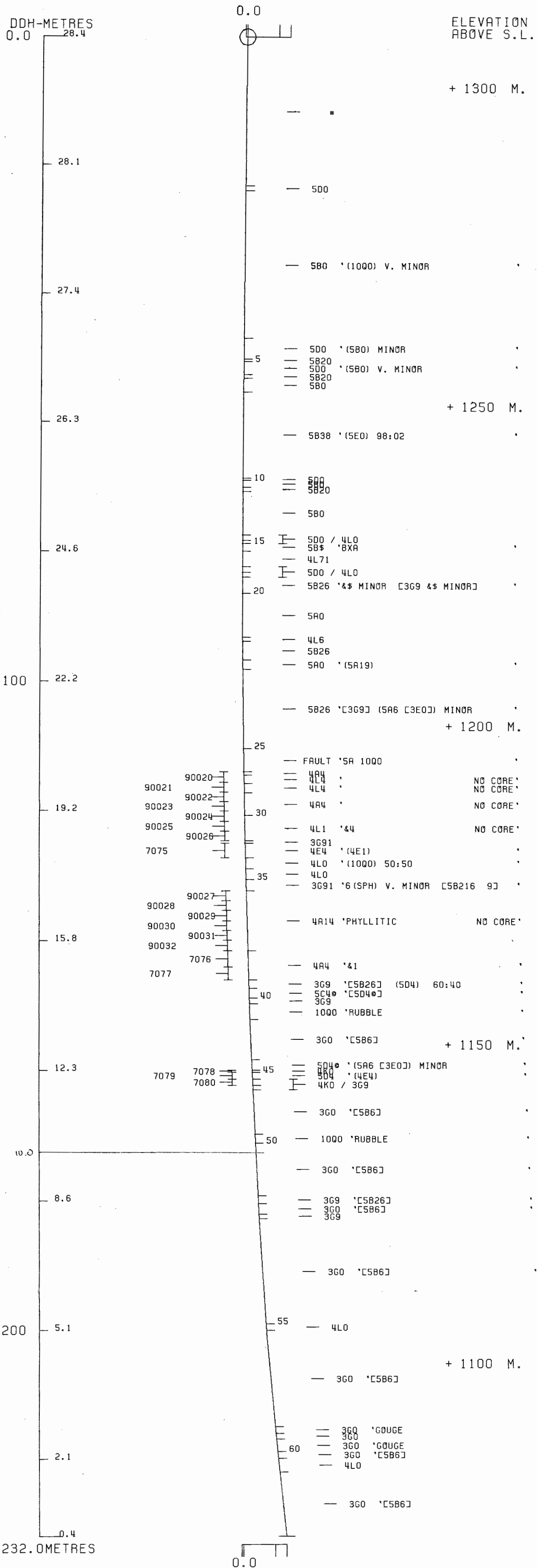
( VIEW AZIMUTH = 312 DEGREES )

ELEV:1302 592322E ; 905103N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

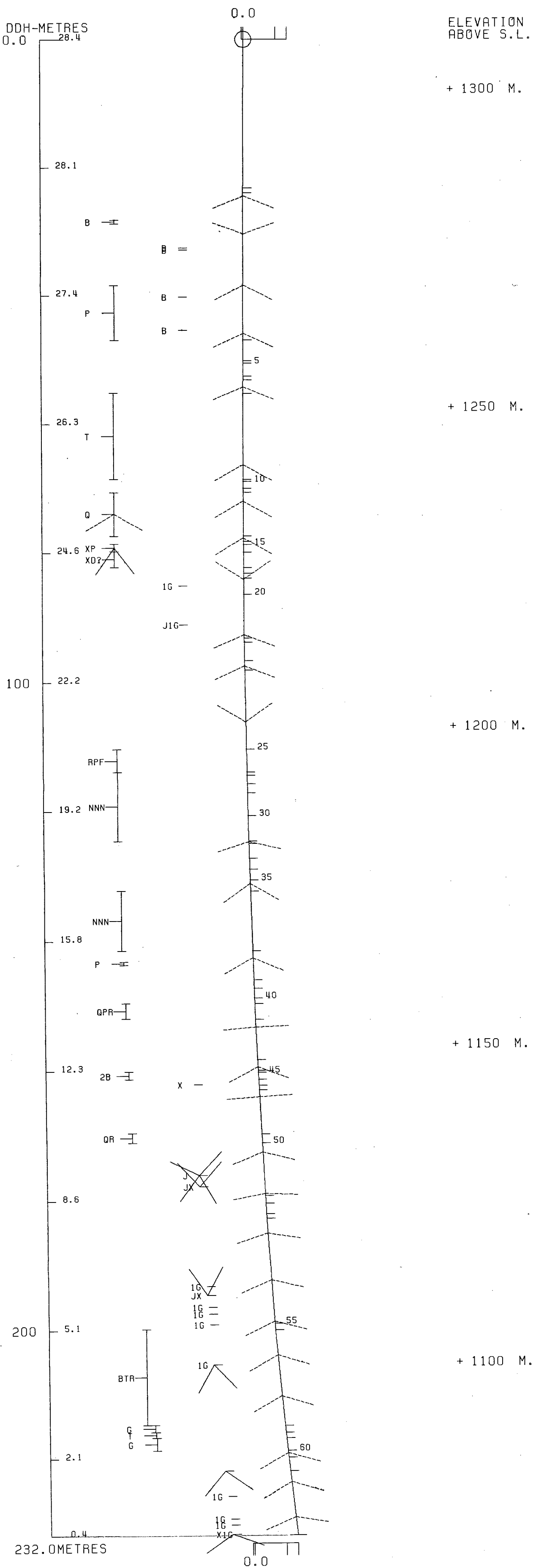
CORRECTED COLLAR POSITION: X = 593.1 Z = 1307.8

SECTION NAME: 75W



DDH: FAGA009 -- 42 DEGREE PROFILE  
 ( VIEW AZIMUTH = 312 DEGREES. )

ELEV:1302 592322E ; 905103N  
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0  
 CORRECTED COLLAR POSITION: X = 593.1 Z = 1307.8  
 SECTION NAME: 75W



FAC/030

DRILL HOLE : FAGA030  
NORTHING : 905,046.7  
EASTING : 592,270.2  
ELEVATION : 1,303.3  
TOTAL DEPTH : 389.5  
SECTION : W 76  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHO CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 59  
NOS DOWN-H-SURVEYS: 5  
NOS DOWN-H-LITHOLOGY: 128  
NOS DOWN-H-STRUCTURE: 57  
NOS DOWN-H-FAULTS: 61  
NOS DOWN-H-SPLINES: 5  
NOS COMPOSITES: 0

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE INT. REC. ROCK	S.G.	ASSAYS										S.G.						
FROM	TO			NO.	UNIT	PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %		PY %	TOT FE	BAO %	HG %	MN %	AS %
144.5	145.4	06979	.9	.7	4E41	4.05	.10	8.80	17.89	150.00				1.16	3	16	19			
145.4	146.4	06980	1.0	.9	5B21	2.98	.02	.40	.79	11.00				.20	1	3	4			
146.4	148.2	06981	1.8	1.8	4A4	3.12	.02	2.24	5.28	41.00				.68	1	9	10			
148.2	148.7	06982	.5	.3	4A0	3.14	.08	1.51	1.13	38.00				.89		12	13			
148.7	149.7	06983	1.0	1.0	4A1	2.91	.04	.52	1.25	13.99				.47		5	6			
149.7	151.2	06984	1.5	.5	FAULT	2.87	.05	.66	1.28	13.99				4.11		4	5			
151.2	153.7	06985	2.5	2.1	4A1	2.97	.08	1.53	1.41	24.00				.81		6	7			
153.7	155.6	06986	1.9	1.9	4A1	2.91	.05	1.96	2.12	26.00				1.16		3	4			
155.6	157.6	06987	2.0	2.0	4L1	3.08	.05	1.40	2.66	24.00	23.00			.47		3	4			
157.6	158.9	06988	1.3	1.3	5C4a	2.89	.01	.05	.16	3.00				.27	4		4			
158.9	161.3	06989	2.4	.3	4A14	3.08	.05	2.45	5.36	44.00				.75	1	6	8			
161.3	163.0	06990	1.7	1.7	5D4a	3.04	.02	.26	1.37	5.00				.27	5	2	7			
163.0	164.6	06991	1.6	1.5	5D4a	2.99	.02	.95	2.64	19.00				.34	3	2	6			
164.6	165.1	06992	.5	.5	5B46	3.02	.01	.13	.31	1.99				.27	3	1	5			
165.1	165.8	06993	.7	.6	10Q0	2.81	.02	.05	.08	.99				.20	1		2			
165.8	166.4	06994	.6	.6	5B46	2.97	.02	.05	.17	.99				1.23	3	1	5			
166.4	169.0	06995	2.6	2.4	4B4	3.02	.01	3.02	6.99	50.00				.40	3	1	5			
169.0	171.0	06996	2.0	2.0	4B4	3.02	.02	5.13	8.18	92.00				.89	1	1	2			
177.4	179.3	06997	1.9	1.9	4B4	2.87	.02	2.79	4.90	50.00				.47	1		1			
179.3	181.6	06998	2.3	2.1	4B4	2.91	.02	3.39	6.58	59.99				.55	1		1			
181.6	183.3	06999	1.7	1.7	4B4	2.93	.04	3.14	5.62	58.99				.68	1	1	2			
183.3	184.9	07000	1.6	1.6	4B4	2.91	.02	2.33	4.33	44.00				.40	1		2			
184.9	187.5	07101	2.6	2.6	4A14	2.99	.05	3.39	3.29	58.99	54.00			.75		3	4			
187.5	189.8	07102	2.3	2.1	4A14	2.91	.02	2.89	4.20	49.00				.81		1	2			
189.8	190.8	07103	1.0	.2	4L04	2.89	.02	1.56	4.29	28.99				.75	1	1	3			
190.8	192.2	07104	1.4	1.4	4A1	2.85	.01	1.25	3.20	21.00				.55	1		1			
192.2	193.2	07105	1.0	.6	4L0	3.00	.02	.61	1.99	12.00				.34	1		1			
193.2	195.3	07106	2.1	1.6	4A1	2.81	.02	1.03	2.10	19.00				.34		1	2			
195.3	196.9	07107	1.6	1.5	4A14	3.45	.05	2.12	4.40	45.00				.55	1	4	6			
196.9	198.7	07108	1.8	1.8	4A13	3.39	.04	3.00	4.70	54.00				.68	2	14	16			
198.7	200.9	07109	2.2	2.1	4A13	3.76	.07	2.39	.05	46.00				1.16	1	18	19			
200.9	201.6	07110	.7	.5	4A31	4.00	.08	3.60	1.87	70.00				1.37	1	28	30			
201.6	202.0	07111	.4	.3	4A31	3.89	.08	.91	1.62	22.00	18.00			.75	2	25	27			
202.0	202.5	07112	.5	.5	4C0	3.35	.08	2.08	.76	30.99				1.70	1	15	16			
213.3	216.3	07113	2.5	2.3	4D45	3.49	.02	4.79	6.70	83.00				.95	1	13	15			
216.3	217.1	07114	.8	.8	4D4	3.31	.02	4.70	10.90	83.00				1.78	1	8	10			
217.1	217.7	07115	.6	.4	4D45	3.54	.04	6.50	13.59	114.99				1.23	2	10	13			
217.7	219.2	07116	1.5	1.4	4A41	3.24	.04	3.20	6.79	65.00				1.30	1	9	11			
219.2	219.8	07117	.6	.6	4L1	2.95	.02	.20	1.20	3.99				1.03	1	3	5			
219.8	221.5	07118	1.7	1.5	4A4	3.49	.05	6.50	10.00	110.00				1.43	1	11	13			
221.5	222.6	07119	1.1	1.0	4D4	3.79	.02	9.40	16.39	158.00				1.51	2	10	12			
222.6	225.0	07120	2.4	2.4	4A41	3.58	.08	7.40	11.90	110.99				1.30	1	10	11			
225.0	225.7	07121	.7	.5	4A13	3.66	.11	1.74	2.39	29.99	28.99			1.43	2	19	21			
225.7	227.4	07122	1.7	1.5	4L0		.02	.42	.91	7.99										
227.4	231.2	07123	3.8	2.1	4L0		.01	.75	.99	10.00										
254.1	255.3	07124	1.2	1.1	4E4	4.38	.11	3.10	6.70	57.99				1.30	2	27	30			
255.3	255.9	07125	.6	.5	4A4	3.33	.07	5.50	10.19	86.00				1.03	2	5	8			
255.9	257.1	07126	1.2	1.2	4A1	3.43	.08	.88	1.36	17.00				.75	1	13	14			



21NOV83 GRUM

DOWN-HOLE SURVEYS (DM020)

PAGE: 14

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 SECTION: W 76  
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
61.000	171.200	123.000
121.900	166.100	111.000
182.900	171.900	97.000
262.100	174.000	122.000

21NOV83 GRUM

## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 15

DDH: FAGAO30 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
12.5	0001	#		0.5-	1
14.2	0002	580	83 88	0.5-	1
15.1	0003	500	83	0.5-	1
28.0	0004	580	88 88 (1000) MINOR	0.5-	1
29.6	0005	FAULT		0.5-	1
33.8	0006	58*	(504*)	0.5-	1
34.3	0007	1000		0.5-	1
35.8	0008	504*	-> 500 T.O.I.	0.5-	1
38.1	0009	580	88 LOCALLY	0.5-	1
38.7	0010	504a		0.5-	1
39.4	0011	583	88 -> 500	0.5-	1
41.1	0012	504a		0.5-	1
42.2	0013	583*	-> 500	0.5-	1
42.8	0014	504a		0.5-	1
47.4	0015	583	88	0.5-	1
107.1	0016	5880	88 83 E.O.I.	0.5-	1
107.6	0017	500		0.5-	1
115.2	0018	5883	(1000)	0.5-	1
116.6	0019	1000	(5883)	0.5-	1
120.8	0020	5883	(500)	0.5-	1
124.1	0021	5808	88 83	0.5-	1
124.4	0022	FAULT		0.5-	1
126.9	0023	5808	(1000) MINOR	0.5-	1
128.8	0024	58*		0.5-	1
134.0	0025	5880	83 (500) MINOR	0.5-	1
134.8	0026	500		0.5-	1
137.1	0027	5880		0.5-	1
138.6	0028	58*	(500) MINOR	0.5-	1
144.5	0029	5820	3 41 88 MINOR	0.5-	1
145.4	0030	4E41	82 (4H4)	0.5-	1
146.4	0031	5821	6	0.5-	1
148.2	0032	4A4		0.5-	1
148.7	0033	4A0	83	0.5-	1
149.7	0034	4A1	PHYLLITIC [4C5]	0.5-	1
151.2	0035	FAULT		0.5-	1
155.6	0036	4A1	PHYLLITIC [4C5]	0.5-	1
157.6	0037	4L1	84	0.5-	1
158.9	0038	5C4a	(5C08)	0.5-	1
161.3	0039	4A14	(4L14) (4A1) (5C4) V. MINOR	0.5-	1
164.6	0040	504a	(4A41) (4L14)	0.5-	1
165.1	0041	5846		0.5-	1
165.8	0042	1000		0.5-	1
166.4	0043	5846		0.5-	1
171.0	0044	4B4	8* SERICITIC (4A4) (584)	0.5-	1
172.4	0045	5846	(500)	0.5-	1
177.4	0046	3G8	SPECKLED (4A0) MINOR	0.5-	1
184.9	0047	4B4	SERICITIC [4L14]	0.5-	1
189.8	0048	4A14	PHYLLITIC [4D5]	0.5-	1
190.3	0049	4L04	RUBBLE	0.5-	1
192.2	0050	4A1	PHYLLITIC 84 [4C5 84]	0.5-	1
193.2	0051	4L0	GOUGE	0.5-	1

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 16

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
196.9	0052	4A10	84 PHYLLITIC [4C5 (4C5)]	0.5-	1
200.9	0053	4A13	84 (4E1 83XA) LOCALLY	0.5-	1
201.6	0054	4A314	-> 4E1	0.5-	1
202.0	0055	4A31	BXA	0.5-	1
202.5	0056	4C0	SERICITIC	0.5-	1
210.0	0057	5D4a		0.5-	1
210.5	0058	4C0	SERICITIC	0.5-	1
212.0	0059	5D4a	(4C0) MINOR	0.5-	1
212.6	0060	10Q0		0.5-	1
213.8	0061	5D4*		0.5-	1
216.3	0062	4D45	(4A41) MINOR	0.5-	1
217.1	0063	4D4		0.5-	1
217.7	0064	4C45	-> 4J1 E.O.I.	0.5-	1
219.2	0065	4A41		0.5-	1
219.8	0066	4L1		0.5-	1
221.5	0067	4A4	-> 4D45 E.O.I.	0.5-	1
222.6	0068	4D4	(4A4 PHYLLITIC [4D5])	0.5-	1
225.0	0069	4A41	(4D45) MINOR	0.5-	1
225.7	0070	4A13		0.5-	1
233.7	0071	4L0	FROM 3G0 STRINGER - PY	0.5-	1
234.8	0072	5B46		0.5-	1
235.2	0073	5A19		0.5-	1
237.1	0074	5B46	STRINGER RUBBLE	0.5-	1
238.0	0075	4L0	GOUGE	0.5-	1
246.6	0076	5B6	[3G0] (4L0 [5D4]) MINOR	0.5-	1
248.9	0077	4L0		0.5-	1
253.7	0078	5B6	84 GOUGE	0.5-	1
254.1	0079	4L0		0.5-	1
255.3	0080	4E4	(4K0) 65:35 MINOR BXA	0.5-	1
255.9	0081	4A4		0.5-	1
257.1	0082	4A1	83	0.5-	1
257.7	0083	4A4		0.5-	1
265.3	0084	4A1	83	0.5-	1
271.6	0085	5B6	[3G0] RUBBLE	0.5-	1
273.3	0086	FAULT	GOUGE	0.5-	1
277.1	0087	4LC	(5D4a) FROM 3G0 STRINGER	0.5-	1
279.4	0088	5B6	[3G4 STRINGER]	0.5-	1
281.7	0089	4A1	83	0.5-	1
282.7	0090	5B21	6 [3G91] (5B6) E.O.I.	0.5-	1
282.9	0091	4A4	-> 4E4 E.O.I.	0.5-	1
289.2	0092	3G0	[5B6]	0.5-	1
289.7	0093	4L0	[3G4 (3B*)]	0.5-	1
294.1	0094	3G0	[5B6]	0.5-	1
295.2	0095	3G1	[3G5]	0.5-	1
300.8	0096	3G0	[3G0 STRINGER 84]	0.5-	1
302.7	0097	4L7	(4H4) (4L147)	0.5-	1
303.4	0098	4LC		0.5-	1
318.3	0099	3G4	[3G0 STRINGER]	0.5-	1
320.3	0100	5A19	-> 3G96 STRINGER	0.5-	1
323.1	0101	3G0	STRINGER + SPECKLE + S	0.5-	1
330.7	0102	4L0	[4L2 81 (3C*) MINOR]	0.5-	1

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 17

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
331.3	0103	5C4*		0.5-	1
332.7	0104	4L12	BXA	0.5-	1
333.5	0105	FAULT	4L GOUGE	0.5-	1
335.5	0106	5C4*	[50#]	0.5-	1
340.5	0107	4L0	FRGM 3GO STRINGER	0.5-	1
340.9	0108	4G4\$	[4E4\$]	0.5-	1
341.7	0109	4L0		0.5-	1
342.0	0110	4L0	GOUGE	0.5-	1
342.7	0111	4E4*	(4E BXA) 4L GOUGE]	0.5-	1
348.3	0112	4L0	[4L2] STRINGER	0.5-	1
349.3	0113	5C4\$	MOTTLED [5C*]	0.5-	1
352.2	0114	4L2		0.5-	1
352.7	0115	4A0		0.5-	1
364.1	0116	4L0		0.5-	1
365.0	0117	5C3\$	[5C* 84]	0.5-	1
367.3	0118	4A0	[4A0 87&9 (4C0)(3G96)]	0.5-	1
370.0	0119	4LC	(10Q0) (3GO STRINGER)	0.5-	1
373.1	0120	3G9	(4L0)	0.5-	1
375.2	0121	4L0		0.5-	1
375.9	0122	FAULT	4L0 GOUGE	0.5-	1
378.6	0123	4L0		0.5-	1
382.2	0124	4L6	[3G48 STRINGER]	0.5-	1
383.0	0125	5C*		0.5-	1
383.4	0126	4L6	[3G48 STRINGER]	0.5-	1
384.9	0127	5C*		0.5-	1
389.5	0128	4L6	[3G48 STRINGER]	0.5-	1

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## DOWN-HOLE STRUCTURE (DH020)

PAGE: 18

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 SECTION: W 76  
 RFE: 52 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
FAGA030	0.0	15.2	PS2		0	0	57	230	0	1	1	1
FAGA030	0.0	21.3	PS2		0	0	70	230	C	1	1	1
FAGA030	0.0	31.9	PS2		0	0	61	230	C	1	1	1
FAGA030	0.0	37.3	PS2		0	0	64	230	C	1	1	1
FAGA030	0.0	43.9	PS2		0	0	69	230	C	1	1	1
FAGA030	0.0	49.8	CS2		0	0	67	230	C	1	1	1
FAGA030	0.0	55.5	CS2		0	0	66	230	C	1	1	1
FAGA030	0.0	58.1	CS2		0	45	61	230	0	1	1	1
FAGA030	0.0	68.9	CS2		0	0	54	230	0	1	1	1
FAGAC30	0.0	71.0	PS2		0	0	40	230	C	1	1	1
FAGA030	0.0	78.6	CS2		0	0	71	230	0	1	1	1
FAGA030	0.0	85.3	CS2		0	0	61	230	C	1	1	1
FAGA030	0.0	91.4	CS2		0	0	61	230	0	1	1	1
FAGA030	0.0	98.1	CS2		0	0	60	230	0	1	1	1
FAGA030	0.0	102.1	CS2		0	0	65	230	0	1	1	1
FAGA030	0.0	108.4	CS2		0	0	71	230	0	1	1	1
FAGA030	0.0	128.9	CS2		0	0	70	230	0	1	1	1
FAGA030	0.0	134.7	PS2		0	0	70	230	0	1	1	1
FAGA030	0.0	141.4	CS2		0	0	61	230	0	1	1	1
FAGA030	0.0	144.2	CS2		0	0	66	230	0	1	1	1
FAGA030	0.0	152.7	PS2		0	0	55	230	0	1	1	1
FAGA030	0.0	157.0	PS2		0	0	55	230	0	1	1	1
FAGA030	0.0	161.8	PS2		0	0	69	230	C	1	1	1
FAGA030	0.0	168.4	PS2		0	0	66	230	0	1	1	1
FAGA030	0.0	171.0	PS2		0	0	42	230	0	1	1	1
FAGA030	0.0	183.2	PS2		0	0	55	230	0	1	1	1
FAGA030	0.0	192.3	CS2		0	0	70	230	C	1	1	1
FAGA030	0.0	199.3	CS2		0	0	53	230	0	1	1	1
FAGA030	0.0	203.0	PS2		0	0	70	230	0	1	1	1
FAGA030	0.0	208.8	PS2		0	0	61	230	0	1	1	1
FAGA030	0.0	213.4	PS2		0	0	60	230	0	1	1	1
FAGA030	0.0	219.6	PS2		0	0	55	230	C	1	1	1
FAGA030	0.0	226.2	PS2		0	0	65	230	C	1	1	1
FAGA030	0.0	233.6	PS2		0	0	85	230	0	1	1	1
FAGAC30	0.0	239.1	PS2		0	0	62	230	0	1	1	1
FAGA030	0.0	246.3	PS2		0	0	66	230	0	1	1	1
FAGA030	0.0	250.7	PS2		0	0	65	230	0	1	1	1
FAGA030	0.0	257.9	PS2		0	0	65	230	C	1	1	1
FAGA030	0.0	271.6	PS2		0	0	70	230	0	1	1	1
FAGA030	0.0	279.2	PS2		0	0	52	230	C	1	1	1
FAGA030	0.0	284.4	PS2		0	0	80	230	C	1	1	1
FAGA030	0.0	294.7	CS2		0	0	62	230	C	1	1	1
FAGA030	0.0	297.8	PS2		0	0	70	230	0	1	1	1
FAGA030	0.0	303.3	PS2		0	0	71	230	C	1	1	1
FAGA030	0.0	309.8	PS2		0	0	68	230	C	1	1	1
FAGA030	0.0	315.5	PS2		0	0	68	230	0	1	1	1
FAGA030	0.0	321.9	PS2		0	0	70	230	0	1	1	1
FAGA030	0.0	327.7	PS2		0	0	70	230	0	1	1	1
FAGA030	0.0	337.3	PS2		0	0	66	230	C	1	1	1
FAGAC30	0.0	343.5	PS2		0	0	70	230	C	1	1	1
FAGA030	0.0	350.7	PS2		0	0	65	230	C	1	1	1

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DOWN-HOLE STRUCTURE (DH020)

PAGE: 19

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 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	
FAGA030	0.0	359.5	PS2	0	0	60	230	C	1	1	1
FAGA030	0.0	364.2	PS2	0	0	60	230	C	1	1	1
FAGA030	0.0	372.1	PS2	0	0	70	230	C	1	1	1
FAGA030	0.0	377.3	PS2	0	0	63	230	0	1	1	1
FAGA030	0.0	383.1	PS2	0	0	80	230	0	1	1	1
FAGA030	0.0	388.8	PS2	0	0	70	230	C	1	1	1

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## DOWN-HOLE FAULTS (DHO20)

PAGE: 20

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 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			
FAGA030	0.0	25.6	1G				0	0	50	180	0	0	1
FAGA030	28.0	29.5	GP				0	0	0	0	0	0	1
FAGA030	33.8	34.2	Q				0	0	C	C	0	0	1
FAGA030	0.0	41.4	J				0	0	13	180	0	0	1
FAGA030	0.0	49.4	J				0	0	36	180	0	0	1
FAGA030	0.0	51.2	J				0	0	36	C	0	0	1
FAGA030	0.0	66.7	J				0	0	28	0	0	0	1
FAGA030	0.0	67.0	J				0	0	15	90	0	0	1
FAGA030	0.0	67.9	J				0	0	35	180	0	0	1
FAGA030	0.0	76.5	J				0	0	15	45	0	0	1
FAGA030	0.0	76.1	J				0	0	20	0	0	0	1
FAGA030	0.0	118.4	J				0	0	0	0	0	0	1
FAGA030	0.0	118.8	J				0	0	15	135	0	0	1
FAGA030	124.0	124.3	G				0	0	0	0	0	0	1
FAGA030	128.8	131.1	B				0	0	0	0	0	0	1
FAGA030	0.0	139.2	B				0	0	99	999	0	0	1
FAGA030	140.6	140.9	B				0	0	99	999	0	0	1
FAGA030	149.6	151.2	GP				0	0	0	0	0	0	1
FAGA030	0.0	167.6	R				0	0	0	0	0	0	1
FAGA030	170.9	171.7	G				0	0	0	0	0	0	1
FAGA030	172.3	177.3	B3P				0	0	0	0	0	0	1
FAGA030	189.7	190.8	RP				0	0	0	0	0	0	1
FAGA030	192.2	193.1	GB				0	0	C	0	0	0	1
FAGA030	193.7	194.5	B				0	0	0	0	0	0	1
FAGA030	0.0	195.5	R				0	0	C	0	0	0	1
FAGA030	195.6	195.9	B				0	0	0	0	0	0	1
FAGA030	196.9	197.5	1X				0	0	0	0	0	0	1
FAGA030	201.5	201.9	X				0	0	0	0	0	0	1
FAGA030	0.0	210.6	G				0	0	99	999	0	0	1
FAGA030	212.0	212.6	Q				0	0	99	999	0	0	1
FAGA030	0.0	231.0	GP				0	0	99	999	0	0	1
FAGA030	235.6	235.9	RQ				0	0	0	0	0	0	1
FAGA030	237.8	238.0	G				0	0	0	0	0	0	1
FAGA030	0.0	248.8	G				0	0	0	C	0	0	1
FAGA030	248.8	253.7	3G		6		0	0	0	0	0	0	1
FAGA030	253.7	254.1	G				0	0	C	C	0	0	1
FAGA030	254.1	255.3	D				0	0	0	C	0	0	1
FAGA030	264.0	264.5	RP				0	0	0	0	0	0	1
FAGA030	265.3	271.6	RPB				0	0	C	0	0	0	1
FAGA030	271.6	273.2	3G				99	999	C	0	0	0	1
FAGA030	0.0	274.6	B				0	0	C	C	0	0	1
FAGA030	0.0	277.6	B				0	0	0	C	0	0	1
FAGA030	279.8	280.4	J				0	0	0	C	0	0	1
FAGA030	295.9	296.1	G				0	0	C	0	0	0	1
FAGA030	0.0	303.7	1G				0	0	0	C	0	0	1
FAGA030	310.4	310.7	J				0	0	0	C	0	0	1
FAGA030	318.3	320.3	B				0	0	C	C	0	0	1
FAGA030	0.0	320.6	J				0	0	0	0	0	0	1
FAGA030	325.8	326.2	J				0	0	C	0	0	0	1
FAGA030	329.0	329.2	G				0	0	C	0	0	0	1
FAGA030	0.0	329.6	J				0	0	C	0	0	0	1

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## DOWN-HOLE FAULTS (DHO20)

PAGE: 21

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 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			
FAGA030	0.0	330.7	X		0	0	C	G	0	0	1
FAGA030	331.3	332.6	X		0	0	C	C	0	0	1
FAGA030	332.6	333.5	GX		0	0	0	0	0	0	1
FAGAC30	0.0	339.2	1X		0	0	0	0	0	0	1
FAGA030	341.6	341.9	G		0	0	0	C	0	0	1
FAGAC30	342.0	342.2	G		0	0	0	0	0	0	1
FAGA030	342.2	342.4	X		0	0	0	0	0	0	1
FAGA030	346.2	347.0	01G		0	0	0	0	0	0	1
FAGA030	375.2	375.9	G		0	0	0	C	0	0	1
FAGA030	385.4	385.8	3B		0	0	0	C	0	0	1

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DOWN-HOLE SPLINES (DH020)

PAGE: 22

DDH: FAGA030 UTM-N: 905,046.7 UTM-E: 592,270.2 UTM-ELEV: 1,303.3 TOTAL DEPTH: 389.5 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA030	1	2
FAGA030	2	2
FAGA030	3	2
FAGA030	4	2
FAGA030	5	1

DIAMOND DRILL CORE LOG

Date: \_\_\_\_\_

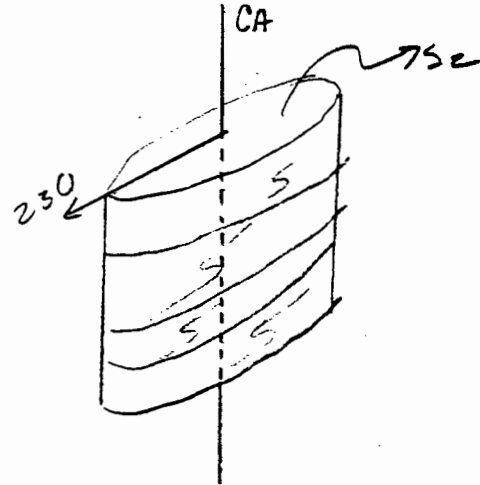
Hole Number: FAG A030

Reference Fabric Orientation Diagram:

Project: Gram Releg 76W

Location: Vangada Plateau

Claim: \_\_\_\_\_



UTM

Terr. Plane Co-ords.: 6905046.87 *rounding N*

592270.12 E

Grid Co-ords: 76W/4N

All ~~symmetry~~ determinations looking

Elevation: 1303.3

NW with S<sub>2</sub> dipping

Total Depth: 1278'

SW with dip azimuth 230°.

Purpose: \_\_\_\_\_

Reason hole Terminated: \_\_\_\_\_

Re

Logged by: JSM

Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>41</u>	<u>1278</u>	

Hole Cemented: \_\_\_\_\_

Steel down hole: \_\_\_\_\_

Started: 8/15/74 Completed: 8/26/74



Lithologic Log

Date: \_\_\_\_\_ Logged By: JSM

Case	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	100	410		1		o/B; rubble of granite + metabasite(?) from ~22-41ft					
L	410	466		2	5B10	strongly calc low cte //S <sub>2</sub>					
L	466	495		3	5D10	strongly calc " //S <sub>2</sub>					
L	495	920		4	5B10	locally non calc, minor 10Q0, broken @ EOT					
L	920	970		5	FACULT	? Gouge + poor rec'v					
L	970	1109		6	5B8	mostly Fe Mg CO <sub>3</sub> , broken @ TAT low cte broken					
L	1109	1125		7	10Q0	" broken					
L	1125	1175		8	5D10	some FeMg CO <sub>3</sub> " broken					
L	1175	1250		9	5B10	locally Fe Mg CO <sub>3</sub> broken					
L	1250	1270		10	5D4*	sericitic, ankeritic broken					
L	1270	1292		11	5B31	grading toward SE low cte grad					
L	1292	1349		12	5D4*	sericitic ankeritic low cte //S <sub>2</sub>					
L	1349	1386		13	5B3*	CC + Fe Mg CO <sub>3</sub> ; CO <sub>3</sub> -rich (grade toward SE) //S <sub>2</sub>					
L	1386	1405		14	5D4*	sericitic, ankeritic //S <sub>2</sub>					
L	1405	1556		15	5B13	strongly calc //S <sub>2</sub>					
L	1556	3513		16	5B813	strongly calc //S <sub>2</sub>					
						minor 10Q0 //S <sub>2</sub> ; minor CO <sub>3</sub> rich bands 1-5cm					
						esp near EOT; locally → SE //S <sub>2</sub>					
L	3513	3530		17	5D10	//S <sub>2</sub>					
L	3530	3780		18	5B813	(10Q0) broken EOT low cte broken					
L	3780	3824		19	10Q10	(5B83) //S <sub>2</sub>					
L	3824	3964		20	5B813	(5D10) //S <sub>2</sub>					
L	3964	4070		21	5B10	±8±3					
L	4070	4080		22	FACULT	Gouge					
L	4080	4165		23	5B10	highly broken @ TAT, minor 10Q0 low cte = CO <sub>3</sub> vein					
L	4165	4226		24	5E0	low cte //S <sub>2</sub>					
L	4226	4396		25	5B8	±3, broken to 430.4, minor 5D intbd low cte //S <sub>2</sub>					
L	4396	4423		26	5D10	low cte //S <sub>2</sub>					
L	4423	4498		27	5B8	low cte grad					
L	4498	4548		28	5B*	FeMg CO <sub>3</sub> ; minor 5D intbd lower cte grad					
L	4548	4742		29	5B216						
						broken //S <sub>2</sub> @457, 461.5-462.5					
						minor plg, minor 10Q0					
						Lower cte //S <sub>2</sub> , slightly irregular					

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	4742	4770		130	4E41	(444) ± 2 (py porphs) High grade graphitic clasts near TOT; Thin mariposite intbd lower etc broken
L	4770	4803		131	5B21	6
L	4803	4863		132	4A4	+342 finely inter laminated
L	4863	4877		133	4A0	± 3, +362 finely inter laminated lower etc broken
L	4877	4910		134	4A1	phyllitic - very Qtz rich, sfd poor, minor phyllitic partings + crenulations lower etc broken
L	4910	4962		135	F.A.M.L.T	gouge + poor rec'vly
L	4962	5105		136	4A1	phyllitic - as unit 34 lower etc broken
L	5105	5117		137	4L1	± 4 lower etc broken
L	5117	5214		138	5C4*	w/ marip, ser, + ank @ TOI + EOT; (5C0 w/ chlor + dol @ center) minor gouge
L	5214	5293		139	4A114	(4L4 to 522.0) (4A1) v. minor 54 marip. lower etc broken picks up 342 finely inter laminated below 522.0
L	5293	5399		140	5D4ix	sericitic, ank, minor marip blebs (4A41) (4L14) 4A41 @ HW lower etc = 1000
L	5399	5411		141	5B46	lower etc broken
A	5411	5439		142	1000	lower etc broken
L	5439	5459		143	5B46	as unit 41, minor 27 lower etc silicified
L	5459	5610		144	4B4	±* (minor CO <sub>2</sub> clots), occasional visible arsenopy (4A4 @ HW) (5B4 intbd @ 553') "4B4 sericitic" cobbles @ 550', 1000 @ TOI + @ 551'
L	5610	5655		145	5B46	Red spht. Picking up minor phyllitic mat'l @ f.w. lower etc broken gouged to 5635 minor broken core + 5D4 intbd to EOT
L	5655	5820	518	146	5B46	Fault? Extremely poor recovery, Broken Note: 4A4 + 342 @ HW (6.5' ft)
L	5820	6066		147	4B4	sericitic [4E44?]. [this is the same rock as unit #44 but more sericitic] minor phyllitic partings Gradational lower etc.
L	6066	6226		148	4A14	phyllitic fast #34 + 36 plus more sfd's. This has more pyrite and no white mica
L	6226	6260	113	149	4L04	cobble + poor rec'vly fault? but is very similar to #47
L	6260	6307		150	4A1	phyllitic ± 4
L	6307	6337		151	4L0	gry gouge + broken core fault?
L	6337	6461		152	4A14	phyllitic ± 4

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20	22 24 26 28 30 34 35				
						broken core 635.5-638.3, Rubble @ 641.5
						broken 642-643
L	16416.1	1659.2		513	4A11.3	392 finely interbedded, locally 4E1 (654, 656) slightly banded + wuggy 646.2-648.0 lower etc grad
L	1659.2	16611.3		514	4A131	gradational w/ 4E1
L	16611.3	16626.6		515	4A131	bria + wuggy
L	16626.6	16645.5		516	4C101	sericitic; gradational upper + lower etc
L	16645.5	16819.0		517	5D14*	sericitic, ank, <sup>or dolomite</sup> minor mariposite blebs, massive + laminated [SF? SC?]
L	16819.0	16910.5		518	4C101	sericitic etc conform to S <sub>2</sub> in 5D4 (4C* banded @ FW)
L	16910.5	16957.5		519	5D14*	as unit #57 w/ minor uco intbd @ 692' + minor gauge // S <sub>2</sub> @ 691'
L	16957.5	17011.4		610	10A0	// S <sub>2</sub>
L	17011.4	17095.5		612	4D415	plus minor (4A41 + 3G2 finely inter.) esp @ H.W. v. minor ank spots lower etc gradational
L	17095.5	17112.3		613	4D141	plus minor sericite gradational
L	17112.3	17114.2		614	4D1415	grades to 4J1 @ F.W. gradational
L	17114.2	17191.1		615	4A141	+ 3G2 finely interb.
L	17191.1	17211.0		616	4L11	very quartzite-rich, minor phyllitic partings interval ends in 10A0
L	17211.0	17216.8		617	4A41	+ 3G2 finely int. Gradational toward 4D45 esp @ FW Very stb rich, graphite-phyllite poor. lower etc grad
L	17216.8	17310.2		618	4D41	plus minor local sericite Gradational lower etc (4A4 phyllitic)
L	17310.2	17318.3		619	4A41	+ 3G2 finely int banded, plus minor (4D45 esp @ FW)
L	17318.3	17410.5		70	4A11.3	
L	17410.5	17616.7		71	4L101	minor gauge @ 758' // S <sub>2</sub> ? minor py sph + sp. This 4L is distinctly not siliceous Grad. lower etc.
L	17616.7	17705.5		72	5B416	Exactly as unit # 71 (thinly + pervasively foliated w/ minor thin stb laminae) but grey color rather than


Storage  
Correlation  
↑

uncertain recovery  
measurements  
note hole F no marker  
but marker measurement  
difficult

Core	From	To	Recov.	No.	Unit	Description	
1	10	14	16	20	22 24 26 28	30 34 35	
							white - abundant grey sericite minor 10Q0 near FW
L	770.5	771.6		73	5A119		
L	771.6	777.8		74	5B146		rubble + 10Q0 773-774; lower etc. intbed w/ 4L
L	777.8	780.9		75	4L10		fault gouge 780.2-780.9
L	780.9	809.1		76	5B16		minor 4K0 (SD4?) intbed, minor 10Q0, incipient white mica (5B46) esp @ FW. Grad lower etc → also minor calc 1/32 @ 779
L	809.1	811.6	5	77	4L10		25cm of gouge 1/32 @ FW } could have broken 35cm of gouge @ H.W. of #78 } this out as a fault unit
L	811.6	832.5		78	5B16		I4 ~55% gouge (3.0m rec'd, 1.7m = gouge) gouge usu in 10cm lengths except 825.1-827.3 lower etc gouged
L	832.5	833.7		79	4L10		partly gouged, lower etc gouged
L	833.7	837.7		80	4E14		plus minor (4K0) ~35% of interval clasts of fresh-edged dolomite. Minor brivation @ H.W.
L	837.7	839.5		81	4A4		+3G2 finely inter lam
L	839.5	843.6		82	4A11		±3 plus minor 3G2 mat'l
L	843.6	845.5		83	4A4		+3G2 finely inter lam
L	845.5	870.5		84	4A11		±3 plus minor 3G2 mat'l rubble, slight gouge + poor rec'y 866.3-868'
L	870.5	891.2	2	87	85	5B16	[390] mostly rubble, broken calc, + poor rec'y, v. minor gouge minor 10Q0, weathered upper etc; 4L + gouge lower etc.
L	891.2	896.5		86	FAULT		grey gouge w/ white gouge @ FW + HW. original lithology probably 5B6 w/ 4L @ FW + HW w/ minor thin intbed of 5C4 w/ mariposite Recovery is complete, but all heavily gouged.
L	896.5	909.0		87	4L10		Broken @ 901 starts to pick up phyllitic mat'l below 901 SD4% ank @ FOL
L	909.0	911.6	7	88	5B16		[300?] broken @ 911
L	911.6	924.3		89	4A11		±3 +3G2 finely inter lam inc'd.

Code	From	To	Recov.	No.	Unit	Description
						fractured, vuggy & Fe stained 918-920
L	9.243	9.274		90	5B21	[399] - (5B6 2nd half of interval)
L	9.274	9.283		91	4A4	+3GZ finely interlam orange-red sp; sfd-rich;
						grades to 4E4 @ f.w.
L	9.283	9.489		92	3G10	[5B6]
						N.B. I expect Vangorda Fm to be non calc 5B6 in areas of faulting and near sulfides.
						I've called #92 360 because it is getting away from faulting + sfd's. The rock is the same - pervasively foliated, thin, light grey monotonous phyllite. Perhaps everything below #29 is Mt.illy Fm.
						Broken + minor 10G0 below 940.5
						Lower contact broken, nearly rounded (3cm) bleached phyllite; lower etc //S <sub>2</sub>
L	9.489	9.503		93	4L0	
L	9.503	9.650		94	3G10	[5B6] as above, monotonous grey thinly fol. phyllite
L	9.650	9.685		95	3G11	as above but oenulated and w/ siliceous (?) layers up to 1cm thick. Perhaps just a siltier protolith. Ctes //S <sub>2</sub>
L	9.685	9.870		96	3G10	[5B6]
						range 971.0 - 971.7
						minor 10G0 lower etc //S <sub>2</sub>
L	9.870	9.930		97	4L17	(4H4)(4L17) spy (9) @ 992
						lower etc //S <sub>2</sub>
L	9.930	9.954		98	4L0	minor Fe staining but not much in the way of sfd's
L	9.954	10.443		99	3G4	minor rounded @ 996.6, v. minor sfd's, (3G0)
L	10.443	10.510		10.0	5A11.9	? broken core
L	10.510	10.610		10.1	3G10	minor quartz veining //S <sub>2</sub> lower etc //S <sub>2</sub> but possibly also faultie.
L	10.610	10.850		10.2	4L0	fault 'coupe' 1079.6 - 1080.2
						lower etc banded + vuggy 15cm
L	10.850	10.870		10.3	5C4*	marip lower etc broken
L	10.870	10.915		10.4	4L11.2	bric. Note 2cm clasts of sfd's Fault?
L	10.915	10.943		10.5	FIAULT	4L coupe + fractured - banded core
L	10.943	11.006		10.6	5C4*	minor marip [SD? SF?]
L	11.006	11.170		10.7	4L0	Note hematite stain 110-1113.3 + slight banded @ 1113

Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
										mix py+po (note po fracture fill @ 1114)
										Drilling thru footwall 4L of overturned limb of major horizon??
										minor 10Q0
L	111170		111184					1108	41G4*	Dolomite w/ hairline cc fractures. Is there truly barite here? Can't be certain, it could all be dolomite but I think there is some barite [4E4*D10] Change to orange-red sp.
L	111184		111209					1109	41L10	
L	111209		111220					1110	41L01	gouge
L	111220		111243					1111	41E4*	Fe/MgCO <sub>3</sub> spots + some cc gangue matrix esp @ FW. Note 4E bria 1123-1123.5 4E frags in dark (siliceous?) matrix (4L gouge) 1122.3-1123. Is this just a sliver of sfs caught up in a fault?
L	111243		111427					1112	41L01	minor py+po minor 10Q0 @ 1136 then broken core + slight gouge to 1138.5 buerite 1/52
L	111427		111459					1113	50.4*	mottled: sericite, chlorite, dolomite
L	111459		111554					1114	41L2	
L	111554		111570					1115	4A0	minor sfs, no base metals
L	111570		111947					1116	41L01	minor sfs
L	111947		111976					1117	50.3*	cc+dolo or ank, chlorite. As unit 113 w/o sericite
L	111976		120.50					1118	4A0	minor sfs, nu base metals; subtly brecciated locally
L	120.50		121.38					1119	41L01	10Q0 (5B26)
L	121.38		122.40					120	39.9	[5B26] (4L0)

Code	From	To	Recov.	No.	Unit	Description
	10 14 18	20 22 24 26 28	30 34 35			
L	12240	12310	1	121	4LQ	stone Fe staining to 1227
L	12310	12333	1	122	FAULT	white (4LQ) gouge
L	12333	12420	1	123	4LQ	
L	12420	12540	1	124	4LQ	
L	12540	12564	1	125	50*	dol/ank
L	12564	12580	1	126	4LQ	
L	12580	12628	1	127	50*	
L	12628	12780	1	128	4LQ	12645-1266.0 v. broken
						EOH
						Too short  A deeper hole would have provided Mt Mue vs Vansorda info and also might have intersected other limb of same horizon see pg 8
						Note: major disruption is faulting near EOH

Meters

Brief notes to be incorporated into log

DDH F.A.G.A.0.3.0  
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Cyprus Anvil Mining Corp.

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Lithologic Log

Date: 28 July 83 Logged By: LSP/GAI

Code	From	To	Recov.	No.	Unit	Description
L	10 14 16 20 22 24 26 28 30 34 35					
L	121257	121317			41101	originally 3G0 stringered lower contact w/ 5B46 is gradational through 3G48 stringered
L	1213152	1213171			5B416	stringered
L	1213171	1213180			41101	possibly original rock SD gauge @ base
L	1213180	1214166			5B61	No sulfide porphyroblasts [3G0] possible minor interbeds of SD4* lower contact w/ 410 is gradational
L	1214189	1215137			5B61	very gauged
L	1217133	1217171			41101	close to 3G48 stringered probably after 3G0 stringered
L	1217171	1217194			5B61	[3G4 weakly stringered]
L	1218129	1218192			3G0	local lithons 1 po porphyroblast noted
L	1218192	1218197			41101	[3G4 (3B*)] possible halo in 3G around 3B*
L	1219141	1219152			131G11	[3G5] rich in quartzose siltstone beds Not exhalite siliceous
L	1219152	131008			3G0	[3G0 stringered ± 4] chlorite-biotite-po stringers
L	131034	1311183			13G4	[3G0 stringered] still quite gray minor speckled locally

Core	From	To	Recov.	No.	Unit	Description
	10 14 18 20 22 24 26 28 30 34 35					
L	3183	3203			51A19	→ 3G96 w/ stringers
L	3203	3231			31601	[360 stringered + speckled + $\phi$ ]
L	3231	3307			41K101	[4L2 ± 1 (3C* minor)] pyrite / locally siliceous
L	3335	3355			51C4*	[5D#] chlorite still present not a good 5C texture
L	3355	3405			41K101	after 360 stringer (py, po, cpy) (± 4L@ after 3G speckled)
L	3427	3483			41K101	[4L2] pyrite stringers / might be after 360 stringered
L	3483	3493			51C41*	[5C*] still has chlorite
	3614	3650			51C31*	[5C* ± 4] w/ pretty good chlorite
	3650	3673			41A101	[4A0 ± 79 (4C0 X 3G96)] transitional to both round brackets
	3673	3703			41K101	(360 stringered) interbedded w 4L
	3700	3731			31691	(4L0)
	3786	3822			41K161	[3G48 stringered] parent clearly 360 stringered pale green color
	3830	3834			41K161	[3G48 stringered] " "
	3849	3895			41K161	[3G48 stringered] " "

Structural Log

Core	From	To	Feature	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description				
				Dip	Direct.	Dip	Direct.	Dip	Direct.					
	10	14	16	20	22	24	26	28	32	34	38	40	44	
S			1500	PSZ							57	230		
S			1700	PSZ							70	230		
														@ 84.2 v. thin gouge @ 50°/50°
														Possible fold nose @ 85.6 (not certain)
S			11047	PSZ							61	230		
S			11212.5	PSZ							64	230		
														@ 136 fracture causing some broken core 13°/50°
S			114140	PSZ							69	230		
														@ 162.2 fracture causing some broken core 36°/50°
S			11613.5	CSZ							67	230		
														@ 168 fracture w/ minor offset 36°/230° where S <sub>2</sub> is 61°/230°
S			118120	CSZ							66	230		
														@ 183 cc vein 8°/110°
S			119106	CSZ				4.5	310	61	230			S <sub>1</sub> dipping 45°/180°
														@ 219 fracture w/ v. minor oxidation 28°/50°
														@ 220 cc tension gashes 15°/320°
														Note: D (down-dip) sym continuing
														@ 223 cc tension gashes 34°/50°
S			12216	CSZ							54	230		
S			12330	PSZ							40	230		⇒ local (~1.5 m) steepening of S <sub>2</sub> + pervasively cleaved (short limb?)
														@ 251 cc tension gashes 15°/275°
S			125180	CSZ							71	230		
														@ 279 possible fold nose
S			12810	CSZ							61	230		

Structural Log

Code	From		To		Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description
	10	14 16	20	24 26					
									@286.5 fractured 1000 causing rubble 22° to C.A.
S			30	100	CSZ			61 230	
									@ 315.6 fracture 20°/230°
S			32	17	CSZ			60 230	(Note; no longer sym)
S			33	50	CSZ			65 230	but S sym)
S			35	55	CSZ			71 230	
									@388.5' subvertical cc tension gashes
									@ 390' cc tension gashes 15°/05°
									@ 392' S <sub>4</sub> 24°/85° causing kinking over 3m interval
									@ ~407 fracture above gauge 50° to C.A. → not reliable as gauge controller
S			42	30	CSZ			70 230	
S			44	20	PSZ			70 230	
									~456 possibly stp fractures thru broken zone
S			46	40	CSZ			61 230	
S			47	30	CSZ			66 230	
S			50	10	PSZ			55 230	comp bndg in sfd's
S			51	50	PSZ			55 230	S <sub>2</sub> ? sericitic foliation in sfd's
S			53	10	PSZ			69 230	S <sub>4</sub>
S			55	25	PSZ			66 230	S <sub>4</sub> L
S			56	10	PSZ			42 230	S <sub>2</sub> above gauge zone
S			60	10	PSZ			55 230	in sfd's
S			63	10	CSZ			70 230	S <sub>2</sub> in 4A
S			65	43	CSZ			53 230	S <sub>2</sub> in 4A
S			66	60	PSZ			70 230	S <sub>4</sub>
S			68	50	PSZ			61 230	
									fracturing sub// S <sub>2</sub> 58° to CA
S			70	00	PSZ			60 230	S <sub>4</sub>
S			72	05	PSZ			55 230	in sfd's
S			74	20	PSZ			65 230	
S			76	65	PSZ			85 230	

Structural Log

Code	From	To	Feature	Sym	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description
1	10	14 18	20 22 24 26 28		32 34	38 40	44	
								@786.2 fracture above gouge zone 35° to C.A.
S		784.5	PSZ				612 230	
S		808.0	PSZ				66 230	
								@816 fractures w/in gouged zone = 35° to C.A.
S		812.25	PSZ				65 230	
								@826 fracture w/in gouge zone = subvertical
								@833 subvertical fracture near gouge
S		846.0	PSZ				65 230	in 4A
								@876 fractures controlling rubble 30° to C.A.
S		891.2	PSZ				70 230	→ top of gouge. Gouge 1/52?
S		916.0	PSZ				52 230	
S		933.0	PSZ				80 230	
								several fractures near 940' @ 20° to C.A.
S		967.0	CSZ				62 230	
S		977.0	PSZ				70 230	
S		995.0	PSZ				71 230	
								@997 fractures thru gouged zone @ 35° to C.A.
								Possible old nose @ 1011' E
S		1016.5	PSZ				68 230	
								1018.5 subvertical fracture becoming 40° to C.A. @ 1019.5
S		1035.0	PSZ				68 230	
								@1052 fracturing @ 35° to C.A.
S		1056.0	PSZ				70 230	
								1069-1070.5 fracturing @ 20-30° to C.A.
S		1075.0	PSZ				70 230	
								@1079.7 fracture above gouge 50° to C.A.
								1081.5 fracturing @ 38° to C.A.

Structural Log

Code	From		To		Feature	E S <sub>1</sub>	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14	16	20			22	24	26	28	32	34		38
													1085 - subvertical fracture w/in box	
													1087 fracture @ 40° to C.A.	
S					111016	5	PSZ					616	230	fractures @ 20-45° to C.A. 1125.6 fracture thru gougey interval 30° to C.A.
S					11270	7	PSZ					70	230	
S					11505	7	PSZ					65	230	
S					11795	7	PSZ					60	230	
S					11950	7	PSZ					60	230	
													@1202.4 fracture (well healed) w/ indeterm offset @ 62° to C.A.	
S					12220	7	PSZ					70	230	12265 subvertical fracture below box
S					12380	7	PSZ					63	230	
S					12570	7	PSZ					80	230	
S					12755	7	PSZ					70	230	

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Page  
Log

ASSAY LOG (SAMPLER'S COPY) Date \_\_\_\_\_ Sample \_\_\_\_\_

Feet

#1

CODE	FROM				TO				SAMPLE	INTR.	REC (m)	UNIT	DESCR
	10	14	16	20	22	26	28	30					
P	4742		4770		169179		128	123	14E41	(4H4 = 2)			
P	4770		4803		169180		133	130	15B21	6 [3421]			
P	4803		4863		169181		160	168	41A41	+3GZ			
P	4863		4877		169182		114	111	41A11 <sup>0</sup>	±3 +3GZ			
P	4877		4910		169183		133	135	4A11	phyllitic			
P	4910		4962		169184		152	110	FAMULT	gauge + p.c.			
P	4962		5044		169185		182	168	4A11	phyllitic			
P	5044		5105		169186		161	165	4A11	phyllitic			
P	5105		5171		169187		166	170	4L11	±4			
P	5171		5214		169188		143	146	5C14*				
P	5214		5293		169189		179	110	41A14	(4L14) (4A1) ±3			
P	5293		5348		169190		155	96	5D41*	(4A41 4L14)			
P	5348		5399		169191		151	150	5D41*	(4A41 4L14)			
P	5399		5418		169192		119	116	5B416				
P	5418		5439		169193		121	120	10A10				
P	5439		5459		169194		120	120	5B416				
P	5459		5543		169195		184	180	4B41	sericitic (4A)			
P	5543		5610		169196		167	175	4B41	sericitic (4A)			
													⇒ gauge + w/c
P	5820		5882		169197		162	164	4B41	very sericitic			
P	5882		5959		169198		177	170					
P	5959		6015		169199		156	165					
P	6015		6066		70010		151	153					
P	6066		6152		71011		186	187	4A114	phyllitic			
P	6152		6226		71012		174	170	4A114	phyllitic			
P	6226		6260		71013		134	108	44014	gabbro + g			
P	6260		6307		71014		147	148	4A11	phyllitic			
P	6307		6337		71015		130	126	4L10	green ss			
P	6337		6407		71016		170	151	4A114	phyllitic			
P	6407		6461		71017		154	150	4A114	phyllitic			
P	6461		6520		71018		159	159	4A113	±3GZ			
P	6520		6592		71019		172	170	4A113	±3GZ			
P	6592		6613		71110		121	116	4A131 <sup>11</sup>	→4			
P	6613		6626		71111		113	111	4A131	bxia			
P	6626		6645		71112		119	119	4C0				

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION
	10	14	16	20		22	26	28	30			
#2	P	7014	7095	7113	81	74	4D45	(4A41+3GZ)	#62			
	P	7095	7123	7114	28	27	4D41	#63				
	P	7123	7142	7115	19	14	4D45	(4J)	#64			
	P	7142	7191	7116	49	47	4A41	+3GZ	#65			
	P	7191	7210	7117	19	20	4L11	+Dhalkik	#66			
	P	7210	7268	7118	58	48	4A41	±3GZ (4D45)	#67			
	P	7268	7302	7119	34	34	4D41	#68				
	P	7302	7383	7120	81	80	4A41	+3GZ (4D45)	#69			
	P	7383	7405	7121	22	16	4A113	#70				
	P	7405	7460	7122	55	48	4L10	No visible grade but	#71			
P	7460	7585	7123	125	69	4L10	Sample the portion already split by KA					
#3	P	8337	8377	7124	40	35	4E41	(4K0)	#80			
	P	8377	8395	7125	18	17	4A41	+3GZ	#81			
	P	8395	8436	7126	41	50	4A11	±3 ±3GZ	#82			
	P	8436	8455	7127	19	18	4A41	+3GZ	#83			
	P	8455	8566	7128	111	67	4A11	±3 ±3GZ Poor rec'd	#84			
	P	8566	8633	7129	67	50	4A11	±3 ±3GZ	#84			
#4	P	8633	8705	7130	72	46	4A11	±3 ±3GZ	#84			
	P	9167	9243	7131	88	79	4A11	±3 +3GZ	#89			
	P	9243	9274	7132	19	25	5B21	6 [3GZ]	#90			
#5	P	9274	9283	7133	109	15	4A41	+3GZ	#91			
	P	9870	9930	7134	160	50	4L7	(4H4)(4L47) (9)	#97			
#6	P	11170	11184	7135	14	14	4G41*	Dolo [4E4xDolo]	#108			
	P	11184	11220	7136	36	31	4L0	+4L0 gauge	#109, 110			
	P	11220	11243	7137	23	20	4E41*	(4E41a) (4L gauge)	#111			

Feet!

Fault

DDH FAGA030  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: 21 Oct / 83 Logged By: \_\_\_\_\_

Code	From			To			Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.		S <sub>2</sub> Dip Direct.		Description
	10	14	18	20	22	24			26	28	32	34	
F				842	116				510	1810			very thin gauge
F	1920			1970	GP								gauge & poor recovery
F	1110	9		1112	5Q								1000
F				1136	J				113	1810			fracture
F				1162	J				316	1810			fracture
F				11618	J				316	01010			fracture w/ minor offset
F				1219	J				218	090			fracture w/ minor deviation
F				1220	J				115	0910			cc tension gashes
F				1223	J				315	1810			cc tension gashes
F				1251	J				115	0415			cc tension gashes
F				3115	J				210	01010			fracture
F				3188	J								subvertical cc tension gashes
F				3910	J				15	11315			cc tension gashes
F	1410	70		1410	80	G							fracture above gauge 50° to C.A.
F	1412	26		1413	10	4B							broken
F				1415	70	B			919	91919			broken // S <sub>2</sub>
F	1416	15		1416	25	B			919	91919			broken // S <sub>2</sub>
F	1419	10		1419	16	2GP							gauge & poor recovery
F				15510	2R								rubble
F	1516	10		1516	13	5G							gauge
F	1516	55		1518	20	B3IP							broken / extremely poor recovery
													fault?
F	162	26		1621	60	RIP							rubble & poor recovery
F	1613	7		1613	13	7GB							gray gauge & broken core
F	163	55		1631	83	B							broken core
F				1641	15	R							rubble
F	1614	12		1614	13	0B							broken
F	1614	16	2	1614	18	01X							slightly biased & vuggy
F	1616	13		1616	26	X							brn & vuggy
F				1619	10	G			919	91919			gauge // S <sub>2</sub>
F	1619	57		1619	17	7Q			919	91919			1000 // S <sub>2</sub>
F				1751	80	GP			919	91919			gauge // S <sub>2</sub> poor recovery
F	1717	30		1717	40	RQ							rubble & 1000
F	1718	02		1718	10	9G							fracture above gauge 35° C.A.
F				1811	65	G							fracture in gauge 35° C.A.
F	1811	65		1813	25	5G	6						60% recovery - 55% gauge

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

fracture in gauge subvertical

Feet!

FAULT

DDH EAG030  
2 8

Cyprus Anvil Mining Corp.

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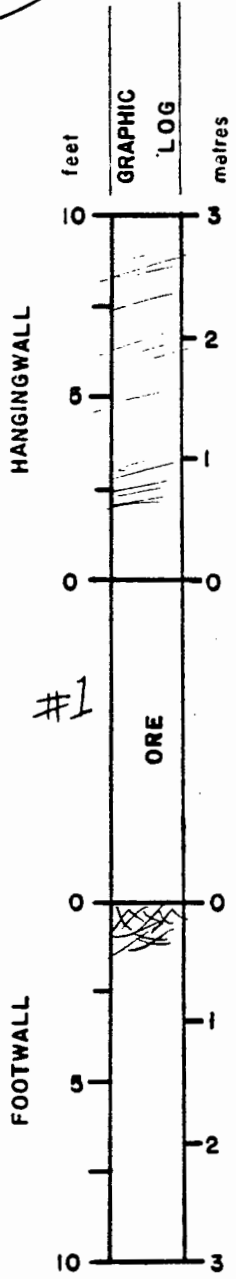
Structural Log

Date: 21 Oct 83 Logged By: \_\_\_\_\_

Core ID	From			To			Feature SYE	S <sub>0</sub> Dip Direct.		S <sub>1</sub> Dip Direct.		S <sub>2</sub> Dip Direct.		Description
	10	14	18	20	24	28		28	32	34	38	40	44	
F	18132	5	18133	7	G									subvertical fractures near gauge
F	18133	7	18137	7	D									silicate clasts in pyrite matrix
F	18166	3	18168	0	RIP									rubble & pore recovery
F	18705		18911	2	RIPB									rubble / broken core / pore recovery
														876' fracture 30% core axis
F	18911	2	18916	5	31G		9	9	9					heavily gouged
F			19101	0	B									broken
F			19111	0	B									broken
F	19118	0	19210	0	J									fractured, vuggy
F	1971	0	19717	7	G									gauge
F			19916	6	11G									minor gauge
														fracture 35° C.A.
F	110118	5	110119	5	J									fracture 11 C.A. becoming 40° C.A. downhole
F	11014	4	11015	10	B									broken core
F			11015	20	J									fracture @ 35° core axis
F	11016	9	11017	10	J									fracture 20-30° C.A.
F	11017	9	11018	10	2G									fracture above gauge 50° C.A.
F			11018	15	J									fracture 38° C.A.
F			11018	50	X									fracture in bxa 11 C.A.
F	11018	70	11019	15	X									bxa, 2cm sulfide clast gouged, fractured, banded
			11019	15	36X									1087' fracture 40° C.A.
F			11111	30	11X									slight bixiation
F	11112	10	11112	20	G									gauge
F	1112	30	11121	35	X									4E fingers in silicate matrix
			11121	23	0G									1125' fracture @ 20-45° C.A.
			11131	60	11133	5	811G							broken core & minor gauge
			11231	10	11231	33	G							460 gauge
			1126	45	11266	0	31B							very broken

GEOTECHNICAL LOG

Feet



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
464.2	COMPETENT?	$\frac{6}{3.0}$	1cm	5B216	Much poker chip ore
474.2		SIZE OF CORE BQ			
664.5	→ broken core COMPETENT	$\frac{.6}{3.0}$	7cm	5D4*	
674.5					

GEOTECHNICAL LOG

HANGINGWALL		feet	metres	GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
#2		10	3		701.4	COMPETENS	1.0 3.0	100cm	10Q6 5D4X	
		0	0		701.4		SIZE OF CORE			
		0	0		740.5	unknown poker chip core now due to splitting by KA			4L0	
		10	3		740.5					

HANGINGWALL

FOOTWALL

feet

10

0

0

0

10

GRAPHIC LOG

metres

3

2

1

0

1

2

3

ORE

INTERVAL

QUALITY

RQD

AVERAGE PARTING (cm)

LITHOLOGY

NOTES

701.4

COMPETENS

1.0  
3.0

100cm

10Q6  
5D4X

701.4

SIZE OF CORE

740.5

unknown  
poker chip core  
now due to  
splitting  
by KA

4L0

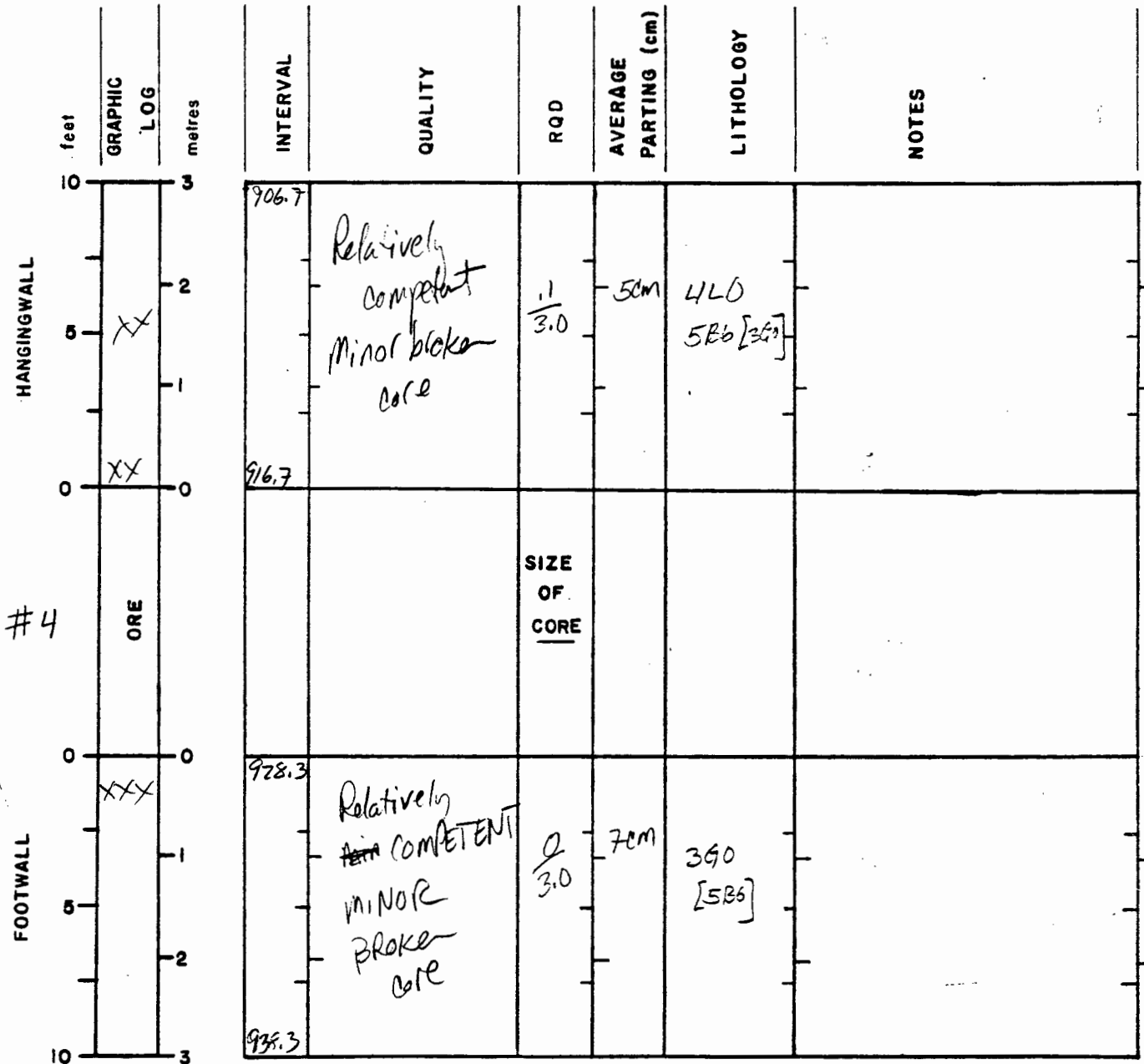
740.5

GEOTECHNICAL LOG

HANGINGWALL		feet	metres	GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
		10	3		823.7	Incompetent Badly faulted ground	0    0	5B6 ± 4 (gauge)  4L0 (gauge)		
		0	0		833.7					
#3 ORE		0	0				SIZE OF CORE			
FOOTWALL		0	0		870.5	Incompetent badly broken core	0    0	5B6 [340]		
		10	3		880.5					

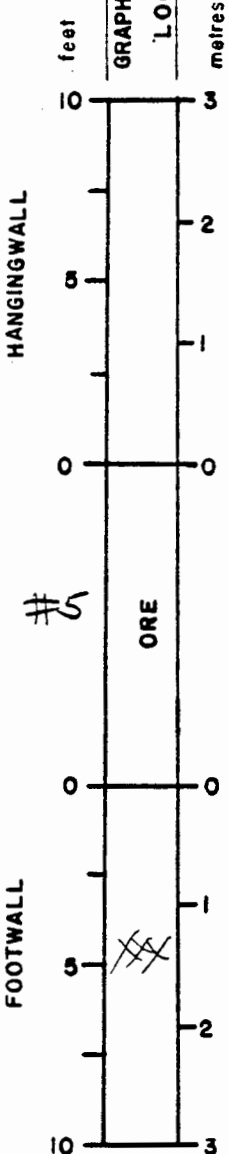
→ bad fault gouge

GEOTECHNICAL LOG



GEOTECHNICAL LOG

HANGINGWALL		GRAPHIC LOG	metres	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	0		3	977.0	COMPETENT	$\frac{0.2}{3.0}$	5-8 cm	[340]	
0	0		0	987.0					
FOOTWALL		ORE	metres	993.0	COMPETENT → minor gouge	$\frac{1.0}{3.0}$	10cm	4L0 394	
				1003.0					



GEOTECHNICAL LOG

HANGINGWALL		GRAPHIC LOG	feet	metres	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
			10	3	1107.0	COMPETENT	$\frac{1.1}{3.0}$	130%	4LD	
			0	0	1117.0					
		#6 ORE	0	0			SIZE OF CORE			⇒ gauge w/in ore Possibly just sds caught in fault
			0	0	1124.3	COMPETENT	$\frac{1.26}{3.0}$	100%	4LD	
FOOTWALL			10	3	1134.3					

17

6

2











# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

D.D.H. No. A - 30 PAGE 6 of 8

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

CLAIM No. \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

DIRECTION AND DISTANCE FROM

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

Proposed:  
DEPTH Ultimate: \_\_\_\_\_

NE. CLAIM POST

FOOTAGE		DESCRIPTION /	Rec. Ft.	Sample No.	Footage		Sample Length	Assay				Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
916.8	928.5	SULPHIDE ZONE IN QUARTZ-GRAPHITE-SERICITE-PHYLLITES. Weak banding of sulphide and quartz. Approximately 3% graphite and 2% sericite, 15-10% pyrite, variable lead zinc. 6-8% from 916.8-922.8' <.2% from 922.8-927.1', 15% from 927.1-928.5', 925.5-927.1' barren of sulphides. Zone brecciated, quartz-sulphide-schist breccia from 917.5-920.5', quartz (+ sulphide?) breccia and partly schist in remaining footages. Core angles 60° at 917'; 70° at 923'-928'	4.7	560	916.8	922.8	6.0	.83	1.90	.21				
			3.9	561	922.8	927.1	4.3	.09	.57	.15				
			1.2	562	927.1	928.5	1.4	5.10	12.43	1.82				
928.5	964.5	QUARTZ-SERICITE PHYLLITE. Medium grey, thinly laminated, high sericite, fissile. A few scattered blebs and streaks pyrite, Fresh looking rock. Core angle; 75-80° at 930-964'	10.5/											
			12		928.5	940.5								
			4/5.5		940.5	946								
964.5	987.4	QUARTZ-SERICITE PHYLLITE. Light grey banded with pale grey, thinly laminated. Slightly altered with a few short bands of bleached buff sericite. Note brown mica in foliation. Approximately 0.2% pyrite occurring intermittently in quartz bands, also a few streaks of sphalerite, parallel to F2. Shear and gouge at 970.5-973.5'. A few other tight slips. Core angles: 70° at 965-970'; 75° at 976'; 70° at 978-986'	18/											
			18.5		946	964.5								
			8/10		964.5	974.5								
			12.9/											
			12.9			974.5	987.4							
987.4	995.5	QUARTZ-SERICITE-PHYLLITE-BLEACHED. Bleached to buff color, hard and siliceous. Massive pyrrhotite with 4-5% lead zinc and 0.4% copper at 988.1-988.4' and 991-992.5'. Remaining rock contains thin streaks pyrite with negligible pyrrhotite, galena and sphalerite. Core angles: 70° at 989'; 85° at 994'	.6/											
			5	563	987.4	988								
			2.5/		988	993	5	1.88	1.86	.74				
			2.5			993	995.5							
995.5	1012	QUARTZ-SERICITE PHYLLITE. Light to medium grey, Alteration by bleaching diminishing. Banding and foliation not distinct, rock firm. Quartzose bands contains minor pyrite and scattered streaks and blebs of lead zinc. Core angle: 75°	8/8											
			1.6/		995.5	10035								
			4.5		10035	1008								
			4/4			1008	1012							

# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

Proposed:  
DEPTH Ultimate: \_\_\_\_\_

D.D.H. No. A - 30 PAGE 7 of 8

CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION /	Rec. Ft.	Sample No.	Footage		Sample Length	Assay				Assay x Feet					
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
1012	1045	QUARTZ-SERICITE PHYLITE with brown mica, chlorite and garnets (?) Rock similar to 996 - 1012' with addition of about 0.2% brown mica, 0.3% chlorite and odd bleb of pink garnets (?). Pyrite, lead and zinc occur in same amount as above section. Core angles: 70° at 1016'; 75-70° at 1017-1044'	33/33		1012	1045											
1045	1051	QUARTZ-GRAPHITE PHYLITE. Dark gray to black, place sooty, fractured, shear at 1051'. F11 F2. Minor pyrite. Core angle 70-75°	23/25 15/35		1045	1047.5 1051											
1051	1060.2	QUARTZ-SERICITE PHYLITE. Medium grey blending with tan colored carbonate. Thinly foliated, abundant quartz-feldspar veinlets. Upper contact contorted with quartz pyrite. Core angle 70-75°	7.7/ 9.2		1051	1060.2											
1060.2	1198.6	QUARTZ-SERICITE PHYLITE - Bleached and mineralized with pyrite. Zone completely bleached to buff color. Often talcy. Occasional fuschite, brown mica at upper contact for 1 foot and at 1073-1074'. Pyrite variable from less than 1% to 10%, average 1.5 to 2%, galena and sphalerite generally negligible except two short (≈ 1') sections plus fraction of an inch bands scattered. 1080' shear at 20° to core; minor breccia; 1084' -1084.8' shear with pyrite breccia. 1087-1095' quartz-pyrite breccia, recemented except 1091.5-1094.5, shear angle at 20° to core. Massive sulphide at 1116.2-1116.5', 1116.9-1118.2 and at 1123-1124', each grading about 10-12% lead zinc with 30-40% pyrite. Also 2" massive sulphide at 1122'. From 1116.2-1125' highly sheared, rock locally brecciated, also leached but not the sulphides. 1140-1146' chlorite rich (20%) bands. 1155.5-1156.8' Quartz-graphite phyllite with minor pyrite, pyrrhotite, galena, sphalerite and chalcopyrite. 1194.5 -1197.4' chlorite rich banding. Core angles: 70-75° at 1062-1079'; 30° at 1080.5'; 70° at 1082'; 70° at 1096'; 85° at 1103-1106'; 75° at 1108'; 70° at 1111'-1129'; 75° at 1130'; 70° at 1134'; 55° at	31/ 31.3 4.8/6 16/ 16.5 2.2/ 2.2 2 4.8 1 38/38 4.5/ 15 31/ 31.6		10602 10915 10975 10975 1114 1114 11162 11182 1123 1124 1124 1162 1167 1167 11986												
				564	11162	11182	2.0	4.43	6.24	2.09			8.56	12.48	4.18		
				565	11182	1123	4.8	.33	.37	.18			1.584	1.76	0.864		
				566	1123	1124	1	4.73	5.76	1.91			4.73	5.76	1.91		
					1124	1162	7.8'	1.25	2.57	0.89			15.17	31.06	6.852		



FAGA068

DRILL HOLE : FAGA068  
NORTHING : 905,076.7  
EASTING : 592,298.2  
ELEVATION : 1,304.1  
TOTAL DEPTH : 389.1  
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: 75  
NOS DOWN-H-SURVEYS: 4  
NOS DOWN-H-LITHOLOGY: 160  
NOS DOWN-H-STRUCTURE: 57  
NOS DOWN-H-FAULTS: 73  
NOS DOWN-H-SPLINES: 4  
NOS COMPOSITES: 0

DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 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 %
128.5	129.8	9C041	1.3	1.3	4E4		7.70	12.61		105.90									
129.8	130.5	07712	.7	.7	4A43	3.27	.05	2.89	4.70	48.00	1.03	1	11	12					
130.5	131.0	07713	.5	.5	4A31	3.27	.02	.62	.60	15.99	.62		14	15					
131.0	131.7	07714	.7	.7	4L0	3.02	.02	.48	1.23	11.00	.62		8	8					
131.7	132.0	07715	.3	.3	4B4	2.89	.01	2.16	3.29	36.00	.40		2	3					
132.0	133.0	07716	1.0	.9	4A4	3.00	.02	3.20	6.20	59.99	.75	1	3	4					
133.0	133.5	07717	.5	.5	4L0	2.89	.01	.42	1.32	9.00	.34	1	3	5					
133.5	135.5	07718	2.0	1.0	4A0	3.16	.02	1.34	2.79	27.00	.40		4	4					
135.5	136.3	07719	.8	.8	4L04	2.89	.02	1.66	2.20	27.00	.55		2	3					
136.3	137.4	07720	1.1	1.1	4B4	3.02	.02	4.59	4.09	53.00	1.43		3	4					
137.4	138.9	07721	1.5	1.5	4B4	2.89	.02	2.89	2.29	30.99	.81		2	3					
138.9	140.0	07722	1.1	1.1	4C0	3.04	.05	3.29	.92	34.00	1.23		7	7					
140.0	141.3	07723	1.3	1.3	4C0	2.95	.04	1.80	2.29	30.99	.75	1	4	6					
141.3	141.9	07724	.6	.5	4A14	3.06	.07	3.29	5.90	51.00	.95	1	5	7					
141.9	142.3	07725	.4	.4	5D4*	2.99	.02	.33	1.69	10.00	.47	4	4	8					
142.3	143.0	07726	.7	.5	4A1	3.18	.11	.39	.56	14.99	1.10		14	14					
143.0	143.5	07727	.5	.5	4D0	3.24	.16	2.29	3.49	43.00	1.30	1	13	14					
143.5	144.0	07729	.5	.4	5C4a	2.93	.02	.49	.70	7.99	.40	5	2	7					
144.0	145.0	07729	1.0	1.0	4D0	3.33	.05	.41	7.59	61.99	.89	1	10	12					
145.0	145.6	07730	.6	.5	4E14	3.62	.02	6.99	14.80	96.00	1.16	3	11	14					
145.6	146.9	07731	1.3	1.3	4A41	3.27	.04	3.39	7.70	56.99	1.03	1	9	11					
146.9	147.4	07732	.5	.4	4D4	3.12	.02	1.97	3.60	33.00	.75	2	7	9					
157.0	158.1	07733	1.1	1.0	4L14	3.52	.17	1.95	3.89	39.00	1.91	1	17	18					
158.1	158.5	07734	.4	.4	4A34	3.02	.05	1.58	3.70	26.00	.75	1	6	7					
163.4	165.5	07735	2.1	2.1	4A1	2.95	.05	1.23	2.08	21.00	.81	1	4	5					
165.5	167.0	07736	1.5	1.5	4A14	2.91	.05	1.95	3.79	31.99	.89		3	4					
167.0	168.9	07737	1.9	1.8	4A1	2.89	.04	1.44	2.39	25.00	.75		5	6					
168.9	170.7	07738	1.8	1.8	4A1	2.89	.04	1.47	3.00	21.00	1.03		3	3					
170.7	173.1	07739	2.4	2.4	4A13	3.29	.02	2.79	5.40	43.00	1.03	1	11	13					
173.1	175.9	07740	2.8	2.7	4A13	3.41	.05	3.00	5.40	53.00	1.03	1	14	16					
175.9	177.9	07741	2.0	2.0	4A14	2.93	.04	1.42	3.99	25.00	.81	1	4	5					
177.9	179.7	07742	1.8	1.8	4A14	2.93	.05	2.19	3.89	30.99	.89		3	3					
179.7	181.6	07743	1.9	1.9	4A14	2.91	.02	1.25	4.09	21.00	.81	1	2	3					
181.6	183.3	07744	1.7	1.7	4A14	2.95	.02	1.77	3.60	40.00	.62		2	3					
183.3	185.3	07745	2.0	2.0	4A14	3.10	.02	1.90	5.29	42.00	.81	1	3	5					
185.3	187.3	07746	2.0	1.3	4A14	3.41	.05	5.00	6.40	74.00	1.23	1	10	12					
187.3	188.7	07747	1.4	1.4	4D0	3.35	.10	3.99	2.16	53.00	1.51	1	16	17					
188.7	190.2	9C042	1.5	1.5	4D0			3.29	4.79	40.39									
190.2	191.4	07748	1.2	1.2	4D45	3.58	.02	6.29	13.50	95.00	1.16	2	11	13					
191.4	192.9	07749	1.5	1.2	4D45	3.52	.02	4.59	10.59	75.00	1.37	1	12	14					
192.9	193.4	07750	.5	.5	4A1	3.45	.02	.99	3.49	22.00	.89	2	16	16					
199.9	201.7	07751	1.8	1.5	4D4	3.37	.05	5.20	5.50	71.00	1.03	2	8	11					
201.7	203.5	07752	1.8	1.8	4A13		.17	.46	1.07	13.99									
203.5	205.2	9C043	1.7	1.6	4A4			7.99	7.79	110.00									
205.2	206.8	9C044	1.6	1.6	4A4			8.15	15.38	120.99									
206.8	208.0	9C045	1.2	1.2	4A4			3.29	5.21	64.50									
208.0	209.7	07753	1.7	1.7	4A0	3.18	.11	1.92	2.17	29.99	1.78	2	7	10					
209.7	210.6	07754	.9	.8	4L0	2.95	.01	.04	.07	5.00	.20	3	2	5					

DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DH0 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	BAC %	HG %	MN %	AS %	BA %
210.6	212.3	07755	1.7	1.7	4A14	3.31	.11	2.70	2.99	39.00			1.64	1	12	13				
212.3	213.7	07756	1.4	1.3	4A1	3.64	.22	1.51	3.29	42.00			2.54	1	20	22				
213.7	215.3	07757	1.6	1.4	4A1	3.39	.14	1.23	3.39	30.99			1.78	1	15	16				
215.3	217.4	9C046	2.1	2.1	4A4			7.62	9.81	102.79										
217.4	219.3	9C047	1.9	1.9	4A4			10.23	19.00	141.19										
219.3	219.9	90048	.6	.6	4A4			10.06	12.46	120.99										
222.5	223.5	07758	1.0	1.0	4K4	3.29	.08	3.29	6.79	66.00	60.99		.47	6	7	14				
223.5	224.0	07759	.5	.4	4D4	3.56	.02	5.00	8.50	90.00			1.51	2	11	13				
224.0	225.5	07760	1.5	1.5	4A14	3.43	.11	4.20	5.00	61.99			1.85	2	12	14				
241.0	242.4	90049	1.4	1.3	4EG4			4.73	6.00	75.79										
242.4	244.0	90050	1.6	1.6	4EG4			5.09	8.30	70.59										
244.0	245.7	07761	1.7	1.7	4A13	3.18	.08	1.97	2.60	26.00			.89	1	9	11				
245.7	247.5	07762	1.8	1.7	4A13	3.24	.08	1.12	1.55	25.00			.75	1	12	14				
247.5	249.5	90051	2.0	2.0	4E4			5.62	10.47	75.79										
249.5	250.5	07763	1.0	.9	4A13		.08	.93	1.38	17.00										
297.6	298.1	07764	.5	.4	4H0		.23	.29	.78	31.99										
298.1	299.0	07765	.9	.9	4L0		.01	.04	.11	5.00										
299.0	299.9	07766	.9	.8	4C0		.23	.55	.61	21.00										
299.9	300.5	07767	.6	.6	4E48	3.18	.29	4.09	5.40	50.00			.62	6	21	27				
300.5	301.0	07768	.5	.4	4C0	3.25	.10	1.11	1.91	19.00			.40	6	8	14				
301.0	301.3	07769	.3	.3	4E18	3.68	.22	4.70	4.20	48.00			.40	11	10	21				
301.3	303.1	07770	1.8	1.8	4L0	3.04	.05	.34	.41	6.99			.55	5	3	8				
303.1	304.8	07771	1.7	1.2	4E1*	3.74	.14	2.70	2.50	26.00			.34	11	15	27				
330.4	332.2	07772	1.8	1.6	4G4	3.97	.10	5.50	7.40	85.00	88.00		1.10	3	10	13				
332.2	334.0	07773	1.8	1.7	4G0	3.79	.13	3.89	5.70	69.00			1.43	3	10	13				
334.0	334.6	07774	.6	.6	4G4	4.17	.17	5.00	7.09	94.00			1.70	1	11	13				
334.6	335.7	07775	1.1	1.1	4E0	4.28	.22	2.20	2.60	34.00			1.37	5	27	33				
WEIGHTED AVERAGE																				
128.5	147.4		18.9	17.2		2.88	.03	2.64	4.39	35.10	10.93		.77	1	6	7				
157.0	158.5		1.5	1.4		3.38	.13	1.85	3.84	35.53			1.60	1	14	15				
163.4	193.4		30.0	29.3		2.98	.04	2.58	4.81	41.56	3.98		.92	1	7	8				
199.9	219.9		20.0	19.2		1.51	.06	4.71	6.94	69.89			.71	1	5	6				
222.5	225.5		3.0	2.9		3.41	.09	4.03	6.18	67.99	20.33		1.33	3	10	14				
241.0	250.5		9.5	9.2		1.18	.03	3.40	5.39	50.19			.30		4	4				
297.6	304.8		7.2	6.4		2.28	.13	1.43	1.59	20.84			.31	5	7	12				
330.4	335.7		5.3	5.0		3.99	.14	4.21	5.79	70.00	29.68		1.34	3	14	17				

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DOWN-HOLE SURVEYS (DH020)

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DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 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
121.900	167.000	117.000
237.700	173.500	107.500
389.200	173.000	120.000

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## DOWN-HOLE LITHOLOGY (DH020)

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DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
12.2	OC01	#		0.5-	1
15.4	OG02	5DC		0.5-	1
16.6	OC03	5D0	[4L ?]	0.5-	1
34.3	OC04	5B0		0.5-	1
35.2	0005	5D0		0.5-	1
36.5	OC06	5D4*	[4L* ?]	0.5-	1
38.8	OC07	5B0	(5B20) T.O.I. BROCKEN	0.5-	1
48.6	0008	5B0		0.5-	1
50.2	OC09	5D0	(5B80) 85:15	0.5-	1
51.8	OC10	5B83		0.5-	1
52.6	OC11	5B0	(5D0[5B80])	0.5-	1
67.2	0012	5B83		0.5-	1
67.6	OC13	5D0		0.5-	1
82.8	OG14	5B80	(5B83) (5D0)	0.5-	1
86.4	0015	5B0		0.5-	1
87.4	OG16	5D0		0.5-	1
89.1	OC17	5B0	(10Q0)	0.5-	1
89.8	0018	5B0	RUBBLE, GOUGE	0.5-	1
92.0	OC19	5B0	[5B80]	0.5-	1
93.5	0020	5D0		0.5-	1
94.5	0021	10Q0		0.5-	1
97.0	OC22	5D0		0.5-	1
97.8	OG23	5D0	3 CALCITE VEINS	0.5-	1
102.4	OC24	5D0		0.5-	1
107.6	0025	5B80	?	0.5-	1
108.2	0026	5DC	(10Q0)	0.5-	1
109.8	0027	5B3		0.5-	1
110.2	OG28	5DC		0.5-	1
118.8	0029	5B83	(5D0) MINOR	0.5-	1
119.5	0030	5D0		0.5-	1
126.7	OC31	5B0		0.5-	1
128.5	OC32	5B26	[3G9]	0.5-	1
129.8	0033	4E4	(4A4) ND CORE	0.5-	1
130.5	0034	4A43		0.5-	1
131.0	OC35	4A31		0.5-	1
131.7	0036	4LC	(4C0)	0.5-	1
132.0	0037	4B4	SERICITIC	0.5-	1
133.0	0038	4A4		0.5-	1
133.5	OC39	4LC	[5D4]	0.5-	1
135.5	OC40	4A0		0.5-	1
136.3	OC41	4LC4	(4L6) (3G0)	0.5-	1
138.9	0042	4B4	(4D4) (4L0)	0.5-	1
141.3	OC43	4C0	SERICITIC (4L1) (5C4)	0.5-	1
141.9	0044	4A14	PHYLLITIC [405]	0.5-	1
142.3	0045	5D4*	(4C0 SERICITIC)	0.5-	1
143.0	0046	4A1		0.5-	1
143.5	OC47	4D0		0.5-	1
144.0	OG48	5C40	(10Q0)	0.5-	1
145.0	OC49	4DC		0.5-	1
145.6	OC50	4E14	(4L0) (4A0)	0.5-	1
146.9	OC51	4A41		0.5-	1

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## DOWN-HOLE LITHOLOGY (DH020)

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ODH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
147.4	0052	404		0.5-	1
147.8	0053	504*		0.5-	1
151.4	0054	3GC	(504) MINOR	0.5-	1
152.3	0055	504*		0.5-	1
154.7	0056	3GC		0.5-	1
155.4	0057	504*		0.5-	1
157.0	0058	GOUGE		0.5-	1
158.1	0059	4L14	2 (400 SERICITIC)	0.5-	1
158.5	0060	4A34	8XA (4E1 8XA)	0.5-	1
158.8	0061	GOUGE		0.5-	1
160.0	0062	3GC		0.5-	1
163.4	0063	4L0		0.5-	1
170.7	0064	4A1	84 PHYLLITIC [405 (405)]	0.5-	1
175.9	0065	4A13	4	0.5-	1
183.3	0066	4A14	PHYLLITIC [405]	0.5-	1
187.3	0067	4A14	PHYLLITIC [405]	0.5-	1
188.7	0068	400		0.5-	1
190.2	0069	400	SERICITIC	0.5-	1
192.9	0070	4045	(504*) (4A4)	0.5-	1
193.4	0071	4A1	(4A13)	0.5-	1
194.4	0072	4L0	(1000)	0.5-	1
195.0	0073	3G0		0.5-	1
199.9	0074	4LC	(3G4) (4L*[504*])	0.5-	1
201.7	0075	404	SERICITIC (4A4) (4L0)	0.5-	1
203.5	0076	4A13		0.5-	1
208.0	0077	4A4	NO CORE	0.5-	1
209.7	0078	4A0	(4L0)	0.5-	1
210.6	0079	4L0	83	0.5-	1
215.3	0080	4A1	83 84 (504*)	0.5-	1
219.9	0081	4A4	(4E4) 8XA NO CORE	0.5-	1
220.2	0082	5A6	(5A196)	0.5-	1
222.5	0083	4L0	81 E.D.I. (1000) (3G0)	0.5-	1
223.5	0084	4K4	#8 81	0.5-	1
224.0	0085	404	(504*)	0.5-	1
225.5	0086	4A14	[405]	0.5-	1
227.5	0087	4LC	(1000#)	0.5-	1
228.8	0088	4L0		0.5-	1
229.2	0089	4A3	8XA	0.5-	1
230.9	0090	3G1	86	0.5-	1
234.0	0091	4LC	(4L12) E.D.I.	0.5-	1
234.5	0092	3G0	-> 4L0	0.5-	1
236.5	0093	4L0	(4L12)	0.5-	1
238.0	0094	GOUGE		0.5-	1
240.2	0095	RUBBL		0.5-	1
241.0	0096	4L0	(3G0)	0.5-	1
241.6	0097	4G4	NO CORE	0.5-	1
242.4	0098	4E0	84 8* 8POROUS NO CORE	0.5-	1
243.3	0099	4G0	NO CORE	0.5-	1
244.0	0100	4E4	81 NO CORE	0.5-	1
247.5	0101	4A13		0.5-	1
249.5	0102	4E4	(4G0?) (4A ?) NO CORE	0.5-	1

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## DOWN-HOLE LITHOLOGY (DH020)

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DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
250.5	0103	4A13		0.5-	1
251.1	0104	4LC	(5C4*)	0.5-	1
260.6	0105	3G0	(10Q0)	0.5-	1
262.7	0106	4L0		0.5-	1
264.0	0107	10Q0	(3G0)	0.5-	1
268.8	0108	3GC	(10Q0)	0.5-	1
269.7	0109	GOUGE		0.5-	1
271.9	0110	4A0	81 83	0.5-	1
273.3	0111	4A0	81 83 FRACTURE BXA	0.5-	1
276.0	0112	4AC	81 83	0.5-	1
279.3	0113	4L0	(504)	0.5-	1
279.7	0114	4A0		0.5-	1
282.2	0115	4LC	(4A ) (5C4*)	0.5-	1
282.6	0116	4A0		0.5-	1
282.9	0117	4E4	(4E0) 50:50	0.5-	1
285.2	0118	5A61	(58261 [3691])	0.5-	1
285.5	0119	4L0		0.5-	1
286.1	0120	504a		0.5-	1
288.0	0121	3GC		0.5-	1
288.5	0122	10Q0		0.5-	1
296.6	0123	3GC		0.5-	1
297.6	0124	4LC		0.5-	1
298.1	0125	4HC	(4L0&1)	0.5-	1
299.0	0126	4L0		0.5-	1
299.9	0127	4C0		0.5-	1
300.5	0128	4E48		0.5-	1
301.0	0129	4C0	SERICITIC [4L12] (4L0)	0.5-	1
301.3	0130	4E18	*4	0.5-	1
303.1	0131	4L0		0.5-	1
304.8	0132	4E1*	84 SERICITIC	0.5-	1
305.9	0133	4LC		0.5-	1
307.8	0134	3G0		0.5-	1
309.2	0135	3G9		0.5-	1
312.1	0136	5A6		0.5-	1
312.7	0137	3GC		0.5-	1
317.7	0138	5A6	(3G0) (5A19)	0.5-	1
323.3	0139	3G9	(3G96)	0.5-	1
324.5	0140	4A0		0.5-	1
324.9	0141	3G0		0.5-	1
325.2	0142	5A19	6 (504*) (10Q0)	0.5-	1
328.3	0143	4LC	(4L6) E.O.I.	0.5-	1
329.3	0144	5A6		0.5-	1
330.0	0145	4LC		0.5-	1
330.4	0146	5A6		0.5-	1
332.2	0147	4G4		0.5-	1
334.0	0148	4G0		0.5-	1
334.6	0149	4G4		0.5-	1
335.7	0150	4EC	8	0.5-	1
336.5	0151	4LC	RUBBLE	0.5-	1
350.3	0152	4LC	(10Q0)	0.5-	1
351.4	0153	5C4a	(4L0)	0.5-	1

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DOWN-HOLE LITHOLOGY (DM020)

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DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
353.7	0154	4LC	(10Q0) SOME NO CORE	0.5-	1
366.6	0155	4A0	[3G19]	0.5-	1
379.4	0156	4LC	(10Q0)	0.5-	1
381.3	0157	5C4	(4C0 SERICITIC) (4L0)	0.5-	1
382.5	0158	4L0		0.5-	1
386.8	0159	4L0	(10Q0) (5D4*)	0.5-	1
389.2	0160	4L0		0.5-	1

DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 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		
FAGA068	0.0	13.1	PS2	0	0	0	70	230	0	1	1	1
FAGA068	0.0	19.0	CS2	0	0	0	64	230	C	1	1	1
FAGA068	0.0	24.2	CS2	0	0	0	55	230	C	1	1	1
FAGA068	0.0	31.4	CS2	0	0	0	61	230	C	1	1	1
FAGA068	0.0	39.0	CS2	0	0	0	71	230	0	1	1	1
FAGA068	0.0	43.4	CS2	0	0	0	65	230	0	1	1	1
FAGAC68	0.0	48.8	PS2	0	0	0	55	230	0	1	1	1
FAGA068	0.0	55.0	CS2	0	0	0	69	230	C	1	1	1
FAGA068	0.0	61.1	CS2	0	0	0	70	230	0	1	1	1
FAGA068	0.0	66.8	CS2	0	0	0	69	230	C	1	1	1
FAGA068	0.0	72.8	CS2	0	0	0	55	230	0	1	1	1
FAGA068	0.0	79.2	CS2	0	0	0	60	230	0	1	1	1
FAGA068	0.0	84.9	CS2	0	0	0	65	230	C	1	1	1
FAGA068	0.0	90.7	CS2	0	0	0	70	230	0	1	1	1
FAGA068	0.0	98.3	PS2	0	0	0	70	230	0	1	1	1
FAGA068	0.0	104.9	CS2	0	0	0	73	230	C	1	1	1
FAGA068	0.0	113.1	CS2	0	0	0	70	230	C	1	1	1
FAGA068	0.0	119.3	PS2	0	0	0	74	230	C	1	1	1
FAGA068	0.0	123.1	CS2	0	0	0	70	230	C	1	1	1
FAGA068	0.0	126.5	CS2	0	0	0	60	230	0	1	1	1
FAGA068	0.0	133.7	PS2	0	0	0	65	230	0	1	1	1
FAGA068	0.0	139.3	CS2	0	0	0	55	230	0	1	1	1
FAGA068	0.0	144.8	PS2	0	0	0	60	230	C	1	1	1
FAGA068	0.0	151.2	PS2	0	0	0	72	230	C	1	1	1
FAGA068	0.0	159.1	PS2	0	0	0	70	230	0	1	1	1
FAGA068	0.0	166.4	CS2	0	0	0	70	230	C	1	1	1
FAGA068	0.0	173.0	CS2	0	0	0	67	230	0	1	1	1
FAGA068	0.0	183.5	CS2	0	0	0	65	230	0	1	1	1
FAGA068	0.0	191.4	PS2	0	0	0	60	230	0	1	1	1
FAGAC68	0.0	194.5	PS2	0	0	0	65	230	0	1	1	1
FAGA068	0.0	199.6	PS2	0	0	0	70	230	C	1	1	1
FAGA068	0.0	211.5	PS2	0	0	0	80	230	0	1	1	1
FAGA068	0.0	220.2	CS2	0	0	0	65	230	C	1	1	1
FAGA068	0.0	226.3	PS2	0	0	0	75	230	0	1	1	1
FAGA068	0.0	229.8	PS2	0	0	0	71	230	0	1	1	1
FAGA068	0.0	234.4	PS2	0	0	0	55	230	C	1	1	1
FAGA068	0.0	246.9	PS2	0	0	0	80	230	0	1	1	1
FAGA068	0.0	255.7	PS2	0	0	0	65	230	C	1	1	1
FAGAC68	0.0	261.2	PS2	0	0	0	70	230	C	1	1	1
FAGA068	0.0	266.4	PS2	0	0	0	70	230	0	1	1	1
FAGA068	0.0	271.3	CS2	0	0	0	60	230	0	1	1	1
FAGA068	0.0	275.2	CS2	0	0	0	67	230	C	1	1	1
FAGA068	0.0	280.4	CS2	0	0	0	67	230	C	1	1	1
FAGA068	0.0	285.3	PS2	0	0	0	60	230	0	1	1	1
FAGA068	0.0	292.3	PS2	0	0	0	65	230	C	1	1	1
FAGA068	0.0	296.0	PS2	0	0	0	70	230	C	1	1	1
FAGAC68	0.0	302.5	CS2	0	0	0	55	230	0	1	1	1
FAGA068	0.0	311.2	PS2	0	0	0	59	230	0	1	1	1
FAGA068	0.0	316.1	PS2	0	0	0	70	230	C	1	1	1
FAGA068	0.0	322.5	CS2	0	0	0	60	230	C	1	1	1
FAGA068	0.0	327.7	PS2	0	0	0	70	230	C	1	1	1

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DOWN-HOLE STRUCTURE (DH020)

PAGE: 24

DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 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	
FAGA068	0.0	340.8	PS2	0	0	62	230	0	1	1	1
FAGA068	0.0	347.8	PS2	0	0	60	230	0	1	1	1
FAGA068	0.0	355.1	PS2	0	0	65	230	0	1	1	1
FAGA068	0.0	368.2	PS2	0	0	70	230	0	1	1	1
FAGAC68	0.0	332.2	PS2	0	0	78	230	0	1	1	1
FAGAD68	0.0	388.9	PS2	0	0	60	230	0	1	1	1

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## DOWN-HOLE FAULTS (DH020)

PAGE: 26

DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 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		
FAGA068	0.0	238.6	G				0	0	0	0	1	
FAGA068	256.9	258.7	B				0	0	0	0	1	
FAGA068	0.0	260.1	G				0	0	0	0	1	
FAGA068	0.0	265.5	G				0	0	99	999	0	1
FAGA068	0.0	267.0	G				0	0	99	999	0	1
FAGA068	268.8	269.6	G				0	0	0	C	0	1
FAGAC68	271.8	273.3	X				0	0	38	18C	0	1
FAGA068	0.0	279.2	XR				0	0	0	0	0	1
FAGA068	280.1	280.2	1G				0	0	0	C	0	1
FAGA068	281.2	281.4	G				0	0	0	C	0	1
FAGA068	282.0	282.2	B				0	0	0	0	0	1
FAGA068	289.2	291.3	B1G				0	0	0	C	0	1
FAGA068	0.0	293.2	1B				0	0	0	0	0	1
FAGAC68	0.0	302.3	G				0	0	0	0	0	1
FAGA068	0.0	304.1	G				0	0	50	0	0	1
FAGA068	335.7	336.4	R1G				0	0	C	0	0	1
FAGA068	0.0	344.8	1G				0	0	0	0	0	1
FAGA068	355.9	362.9	NNN				0	0	0	C	0	1
FAGA068	0.0	381.0	G				0	0	0	0	0	1
FAGA068	0.0	381.9	1G				0	0	C	C	0	1
FAGA068	0.0	382.2	1G				0	0	0	C	0	1
FAGA068	382.5	386.7	RBG				0	0	0	0	0	1

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DOWN-HOLE SPLINES (DH020)

PAGE: 27

DDH: FAGA068 UTM-N: 905,076.7 UTM-E: 592,298.2 UTM-ELEV: 1,304.1 TOTAL DEPTH: 389.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA068	1	2
FAGAC68	2	2
FAGA068	3	2
FAGAC63	4	1

DIAMOND DRILL CORE LOG

Date: \_\_\_\_\_

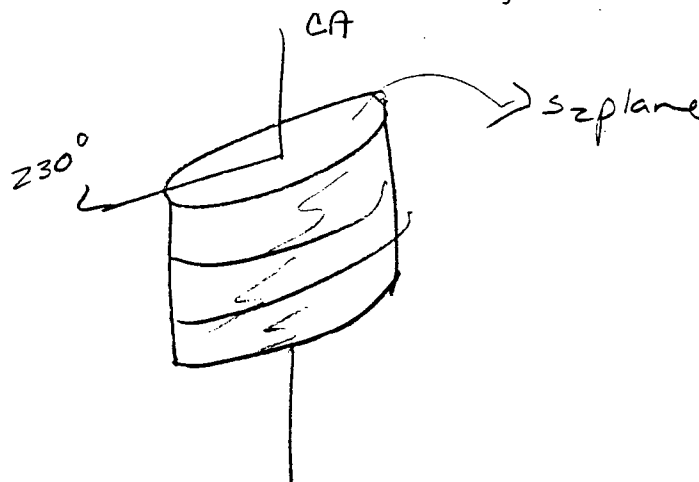
Hole Number: FAG0068

Reference Fabric Orientation Diagram:

Project: Grum Relog 76W

Location: Vancorda Plateau

Claim: \_\_\_\_\_



UTM

Terr. Plane Co-ords.: 6905076.7 N

1979 HED Survey

592298.2 E

Grid Co-ords: 75W/6N

All ~~symmetry~~ determinations looking

NW with Sz dipping

SW with dip azimuth 230°.

1979 HED Survey

Elevation: 1304.1

Total Depth: 1277 ft.

Purpose: \_\_\_\_\_

Reason hole Terminated: \_\_\_\_\_

Re

Logged by: Janet Madene

Date(s) Logged: July 2, 1981 -

Drilling Contractor: \_\_\_\_\_

Size	CORE From	To	Collar Cased and Capped: _____
<u>BQ</u>	<u>40</u>	<u>1277</u>	
_____	_____	_____	
_____	_____	_____	

Hole Cemented: \_\_\_\_\_

Steel down hole: \_\_\_\_\_

Started: 4/17/75 Completed: 4/25/75



Code	From				To				Recov.	No.	Unit	Description	
	10	14	16	20	22	24	26	28					
L	00			400						1		o/B granite boulder (fill?)	FW CC
L	400			504						2	5D01	green massive w/ cc bands	sharp //s <sub>2</sub>
L	504			544						3	5D01	? still massive green but this rock is greendie to sericite rather than chlorite	gradational
												[4L?]	
L	544			11123						4	5B01	Fe staining <del>rock</del> due to FeCO <sub>3</sub> in addition to cc. core broken into poker chips @ H.W.	
												Rubble @ 64.8; Rubble also @ beginning of most runs - drilling artifact?	silified
												minor gauge @ 109	
L	11123			1155						5	5D1*	ank	
L	1155			1199						6	5D4*	[4L5?]	
L	1199			1274						7	5B01	(5B2 @ H.W.)	
												broken w/ minor gauge 122-124; gauge @ 126.5	
L	1274			1596						8	5B01	as #7 but less broken	
												minor gauge (//s <sub>2</sub> ?) 146.0, 147.5,	//s <sub>2</sub>
L	1596			1646						9	5D01	massive green w/ cc bands.	
												(5B8 intabed 163.3-164)	
L	1646			1699						10	5B81	strongly calc, 1000 //s <sub>2</sub> @ 164.7	//s <sub>2</sub>
L	1699			1727						11	5B01	looks like some 5D mat'l mixed into 5B	
L	1727			2206						12	5B813	strongly calc, locally loses all micas other than chlorite.	
												Possible 'fdd nose' E @ 199	
												Much broken core below 203'	broken //s <sub>2</sub>
L	2206			2229						13	5D01	massive green, calc	
L	2229			2717						14	5B81	(5B83) (1000 @ 227, 232, 233)	
												poker chip core to 228	
												poker chip core + minor gauge 232-235, 246.5-251.5	
												gauge @ 255.1, 266.4	
												becoming massive (5D??) 267 to f.w.	
												thick cc veins //s <sub>2</sub> 270.0 to f.w.	//s <sub>2</sub>
L	2717			2836						15	5B01	greenish aren, pervasively cleaved pyllite	
												strong 1000 veining //s <sub>2</sub> 276.0 to f.w.	
												→ +cc	
L	2836			2866						16	5D01	core is fairly broken, massive green, calc	broken
L	2866			2922						17	5B01	(1000) broken core	broken

Code	From	To	Recov.	No.	Unit	Description	F.w, etc.
	10 14 16 20 22 24 26 28 30 34 35						
L	29.22	29.45		18	5B01	? Rubble + gouge	
L	29.45	30.37		19	5B0A	[5B8?] core consistently broken into 1-2 cm pieces	broken
L	30.37	31.068		20	5D0A	massive green, calc, <div style="text-align: right; margin-right: 50px;"> <math>\swarrow</math> 5D  <math>\searrow</math> 10G0 <math>\rightarrow</math> 20° to C.A.                      50° irreg. f.w. etc.                 </div>	irreg.
L	30.68	31.00		21	10G0		broken
L	31.00	31.82		22	5D01	massive green, calc	
L	31.82	32.10		23	5D01	as #20 but w/ abundant (45%) thick cc veins	
L	32.10	33.60		24	5D01	same lithology	//s2
L	33.60	35.30		25	5B0D	? what is this rock? 5B8? 5B7? 5D? 5F? calcareous chlorite + sericite phyllite w/ minor po blebs	//s2
L	35.30	35.49		26	5D01	+10G0 354-354.5	//s2
L	35.49	36.03		27	5B03	gouge @ 355.8, 356.3 strongly calc	//s2
L	36.03	36.15		28	5D01	massive green w/ cc bands	//s2
L	36.15	38.98		29	5B0B3	picking up gre. mica near Fw. Much cc (5D0 int bd @ 38.6)	//s2
L	38.98	39.20		30	5D01	massive green w/ cc bands	//s2
L	39.20	41.57		31	5B01	moderately to strongly calc, becoming non calc to nordfw. gouge @ 40.9 + broken core below v. minor 10G0	broken
L	41.57	42.17		32	5B021	mostly non calc 5B06 [392] 41.2-41.5 banded 41.5-420.7 gouged (//s2?)	
L	42.17	42.57		33	4A41	(4A) whole core sampled by KA. Litho intersp from their logs. "20% Pb 15% Pb Zn"	
L	42.57	42.80		34	4A43	+362 finely interlam	broken
L	42.80	42.97		35	4A311	+362 finely interlam	broken
L	42.97	43.20		36	4A01	(400) ? disinterlating	
L	43.20	43.31		37	4B04	sericitic ~ 2-5% Pb Zn? 'rel sp' + gn	see 300295
L	43.31	43.62		38	4A41	+362 finely interlam	


Code	From	To	Recov.	No.	Unit	Description	Fw, CTC
	10 14 16 20 22 24 26 28 30 34 35						
L	143162	143181		139	4140	? [5D4] + grey phyllite @ H.W.	broken
L	143181	14445		A0	41A40	+3GZ see assays	broken
L	14445	14472		A11	4204	? (466) (3G0)	
						very broken, tabbled interval, ± gouge	broken
L	14472	14557		A2	4B04	=4 (4D4) sericitic (460) minor 4A phyll. @ H.W.	broken
L	14557	14636		A3	4C01	sericitic w/ local phyllitic stringers (4L)	
						50% marip + ank near ECI	broken
L	14636	14654		AA	41A114	phyllitic	
L	14654	14670		A5	5D4*	(4C0) ser	
L	14670	14692		A6	4A11	+3GZ finely interlam. Py = ch y std	
L	14692	14709		A7	4D0	w/ minor sericite	
L	14709	14729		A8	5C4*	marip + ank (1000)	
L	14724	14758		A9	4D40	w/ minor sericite	gradations
L	14758	14776		50	4E14	(4L) (4A)	
L	14776	14820		51	4A41	+3GZ finely interlam	lost orb.
L	14820	14835		52	4D4*	w/ minor sericite, minor ank spots, visible anisotropy.	lost orb.
L	14835	14850		53	5D4*		1/5z
L	14850	14966		54	3G01	minor 1000, minor 5D4. ntbd	broken
L	14966	14997		55	5D4*		broken
L	14997	15077		56	3G0	w/ minor 1000 1/5z	broken
L	15077	15100		57	5D4*	w/ minor dissem py	gouged
L	15100	15150		58	G01/G0E	~ 15cm Fault	
L	15150	15187	130	59	4L114	(4D4) ser, mar (eciv. 575-577)	lost
L	15187	15200		60	4A314	bxia	
							gouged
L	152100	152110		61	G01/G0E		gouged
L	152110	152150		62	3G01	broken core to 523	gouged
						minor white mica level	
						lower etc gouged	

## Lithologic Log

Date: \_\_\_\_\_

Logged By: J. Madene

Core	From	To	Recov.	No.	Unit	Description	FWCTC					
1	10	14	16	20	22	24	26	28	30	34	35	
L	1512150	151360		163	4L0	?? Broken rubble core w/ minor gouge (bts acc to GAG) Note that KA split this accounting for some of the broken nature Mostly phyllitic or sericitic, some pieces of HDO.	broken					
L	151360	151600		164	4A11	phyllitic <sup>24</sup> sericitic @ 1 m. H.W. phyllitic gneiss w/ minor sf's						
L	151600	151770		165	4A113	+3G2 finely interlam. #4 (KA assays: ~6% PbZn) minor oxidation @ 576'	arbitrary					
L	151770	160115		166	4A114	phyllitic	arbitrary					
L	160115	16144		167	4A114	phyllitic	broken					
						N.B. #'s 62, 64, 65 actually have very little resemblance to 4A but are classified as such due to the minor sedimentary component [4C phyllitic+sericitic; 4L24 phyllitic etc]						
L	161144	161191		168	HDO	+minor sericite, overall ~5% PbZn so (HDO)	lost					
L	161191	161240		169	HDO	sericitic whole core sampled by KA Lith interp from KA logs + from 2 pieces of core left in box ~8% PbZn There is also one piece of 5D chloritic left in the box. Could be out of place cuz no mention in log.						
L	161240	161328		170	4D45	(5D4* maripblebs, ank, ser intbed 625 625.5) (4A4) minor ank @ H.W.						
L	161328	161346		171	4A11	+3G2 (4A13)						
L	161346	161377		172	4L0	bleached phyllite (1000)						
L	161377	161397		173	3G2	becoming silicified (4A no sf's) to f.w. lower etc is a thick (6cm) band of pitted rusted pyrite.						
L	161397	161559		174	4L0	bleached phyllite (3G4) (4L5 FeCO <sub>3</sub> probably 5D4*) very sericitic @ f.w.						
L	161559	161618		175	4D04	sericitic (4A4) (4L0) ~8% PbZn						
L	161618	161677		176	4A13	+342 finely interbanded						

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	16677	16823		77	4A4	+3GZ finely interlam } whole core sampled A.M.T. Liths interp from KA logs 15-20% PbZn
L	16823	16880		78	4A4 <sup>0</sup>	+3GZ 4L rubble to 683.4 Low grade 4A* ank phyllitic to 684.3 4L rubble to 685 Low grade 4A phyllitic to 686 4A4 to 688
L	16880	16909		79	4L0	about 50% rubbled + 50% sp ±3
L	16909	170163		80	4A1	±3 ±4 +3GZ finely interlam } <5% PbZn (5D4*)
L	170163	17215		81	4A4	(4E4) 15-30% PbZn increasingly granitic toward f.w. slips fractures sfd + phyllite bxia well healed (4A no sfd's 719.4-720.4) whole core sampled Lith interp from KA logs
L	17215	17223		82	5A6	(5A19) low grade = 4L thin then sfd band thin //s2
L	17223	17300		83	4L0	(10Q0)(360) becoming silicified (4L) toward f.w.
L	17300	17333		84	4K4	±1 cc+dolo; banded & patchy-banded types. 4T affinities (ie matrix very sp rich) → powdered sp minor so
L	17333	17348		85	4D4	(5D4*) (CO <sub>2</sub> vein) orange sp
L	17348	17397		86	4A1.4	losing grade @ f.w.
L	17397	17463		87	4L0	bleached phyllite (10Q0 + CO <sub>2</sub> )
L	17463	17507		88	4L0	60% pouged (//s2?) minor 10Q0
L	17507	17519		89	4A3	bxia f.w. etc:  mapient sz in bxia 45°/230° → fracture 45°/50°
L	17519	17575		90	3G1	±6 v. minor sfd's
L	17575	17676		91	4L0	bleached phyllite (4L12 @ f.w.)

F.W.C.T.C.

//s2

silicified

broken

broken

25° to c.f.

//s2

broken

Code	From				To				Recov.	No.	Unit	Description	FW CTC
	10	14	16	20	22	24	26	28					
L	7676		7694						9.2	3G10	→ 4L Rubbled @ H.W. 10cm gauge // S <sub>2</sub> @ ~769		
L	7694		7760						9.3	4L01	(4/12)	broken	
L	7760		7810						9.4	50KGIE	grey+white w/ rubbled 3G @ H.W.		
L	7810		7820		32				9.5	RUBBLED	+ poor recovery + minor gauge, 3G, 10G, 4L, minor py		
L	7820		7908						9.6	4L01	(3G)		
L	7908		7927						9.7	4G41		whole core taken for met tests	
L	7927		7954						9.8	4E01	±4 ±* ± porous	Pieces of core left in box	
L	7954		7982						9.9	4A01		every foot lithologies interbed	
L	7982		8005						10.0	4EH	±1	10m of those pieces + KA logs	
												overall 10-13% PbZn	
L	8005		81120						10.1	4A113			
L	81120		81186						10.2	4E41	(4G/4A) ??	No more met test ~15% PbZn	
L	81186		82117						10.3	4A113			
L	82117		82139						10.4	4L01	(5C4X)	Faulted	
L	82139		8550						10.5	3G10	(10G)		
												minor gauge; 832 (//S <sub>2</sub> ?)	
												842.2-843 (//S <sub>2</sub> ?) w/ broken core to 849	
												848.7 (//S <sub>2</sub> ?)	
												853.5 (//S <sub>2</sub> ?)	
L	8550		86118						10.6	4L01		broken	
L	86118		86160						10.7	10.010	(3G)		
L	86160		88119						10.8	13G6	(10G) thin core //S <sub>2</sub> @ 871.2+876	gauged	
L	88119		88148						10.9	50KGIE	w/ rubbled 3G @ FW	broken	
L	88148		8920						11.0	4A01	±1 ±3 ±3G finely interlam	no visible PbZn	
L	8920		8968						11.1	4A01	as #108 but fracture bixiated	//S <sub>2</sub>	
L	8968		9056						11.2	4A01	as #108+109, not bixiated	//S <sub>2</sub>	
L	9056		9162						11.3	4L01	(5D4)		
L	9162		91178						11.4	4A01	bixiated + rubbled upper etc, bleached, radiational lower etc No sfs	//S <sub>2</sub>	
L	91178		92160						11.5	4L01	minor gauge (//S <sub>2</sub> ?) 919.2-919.5		
												4A intbd (as #112) w/ rubbled upper etc +	
												gauged lower etc 922.7-923.5	
												caught in fault slice?	
												1060 @ 924.3, 5C4* ank masip from 924.7	
												Broken 925.4-50T	

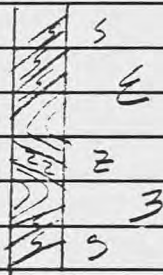
Lithologic Log

Date: \_\_\_\_\_ Logged By: J. Modene

Core Code	From		To		Recov.	No.	Unit	Description	FW CTC	
	10	14	16	20						22
L	9260		9271			116	4A0			
L	9271		9280			117	4E4 (4E0) 50:50	4E4 core not split by KA so 760° contact intact 4E0		
L	9280		9357			118	5A161 (5B261 or 3G9.1)		//sz	
L	9357		9367			119	4L0		//sz	
L	9367		9388			120	5DH* ank, minor masip blebs			
L	9388		9450			121	3G10			
L	9450		9465			122	10G10			
L	9465		9730			123	3G10	949-956 broken core + minor gouge minor broken core @ 962'		
L	9730		9764			124	4L0		broken	
L	9764		9780			125	4H10 (4L±1)	} would have lumped all as 4L w/ 4H0, 4L	broken	
L	9780		9810			126	4L0		broken	
L	9810		9840			127	4C10	slightly sericitic (4L0 @ f.w.)	silicified local	
L	9840		9860			128	4E418			
L	9860		9875			129	4C0	sericitic (4L0) [4L2]		
L	9875		9885			130	4E118*4	note: at 105 mst + PbZ not all distrib throughout		
L	9885		9945			131	4L0	gouge @ 992'	copy also, minor	
L	9945		9999			132	4E11*8	sericitic 4L0 interbd @ 996'	gouged	
L	9999		100137			133	4L0			
L	100137		10097			134	3G10			
L	10097		101144			135	3G19			
L	101144		10232			136	5A161	minor K60 near f.w.		
L	10232		10260			137	3G10			
L	10260		10422			138	5A6	(3G2) (5A19)		
L	10422		10608			139	3G19	2.5% up 4L in bander texture, minor py (3G96)		
L	10608		10645			140	4A0	~ 3% PbZn		
L	10645		10660			141	3G2			
L	10660		10703			142	5A1196	(5D4*) (10G0)		
L	10703		10770			143	4L0	(4L0 @ f.w.)		
L	10770		10805			144	5A16	4L Note small (4cm) fold nose(?) of 4E17+4 off in 4L interbd @ 1077.5		
								Similar to above units low cte abrasions!		

Code	From	To	Recov.	No.	Unit	Description	FWCTC
	10 14 16 20 22 24 26 28 30 34 35						
L	110810	110812	7	1A5	4L0	} gradational	1/5-
L	110812	110840	U	1A6	5A6	} S	
L	110840	110900		1A7	4G4	honey to orange sphalerite 70% py @ 4W	no piece of etc
L	110900	110957		1A8	4G4	red-orange sphalerite. Is there Qtz as well 4G4?	except 77-77?
L	110957	110977		1A9	4G4	honey sphal	1/5-2 brn
L	110977	111015		150	4E4	?	
						very minor CO <sub>2</sub> spots + v. minor possible barite gangue	
L	111015	111040		151	4L0	? Rubble + minor gangue. (1000 @ 4W+4U)	
L	111040	111492		152	4L0	1000 + limonitic Fe stain to 1030	
						minor gangue @ 1031.5	
						hematitic Fe stain 1032-1041	1/5-
L	111492	111529		153	5C4X	ank, marip, chlor, interbedded 4U, siliceous pebbles	
L	111529	111932		15A	4L0	(1000) minor py	broken
						Note: missing core box 1167.7 - 1190.9 ft.	
L	111932	112027		155	4A0	w/ minimal sfd's, py, or [34219]	
L	112027	112446		156	4L0	(1000) loose minor sfd's toward fw. becoming more a bleached shyllite	
L	112446	112510		157	5C4X	ank, marip, chlor (4C ser. @ 1247) (4L0 + gangue @ 1250)	silicified
L	112510	112550		158	4L0	minor gangue @ 1254, 1253	
L	112550	112690		159	4L0	+ 1000W + 5D4* rubble, broken nose, gangue, fracturing	gouged
L	112690	112770		160	4L0	fairly competent, no sfd's	
						EOH @ 1277 ft	

Structural Log

Code	From		To		Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.	S <sub>2</sub> Dip Direct.	Description			
	10	14	16	20						22	24	26
S				4.30	PSZ			70 230	SD			
S				6.24	CSZ			64 230				
S				7.95	CSZ			55 230				
S				10.30	CSZ			61 230				
S				11.27	CSZ			71 230				
S				14.23	CSZ			65 230				
S				16.00	PSZ			55 230				
S				18.04	CSZ			69 230				
									@199 ft			
												
									sym in zone above + below is combination of S + D			
									So this is probably a short z limb in an S limb			
S				20.06	CSZ			70 230				
S				21.90	CSZ			69 230				
S				23.90	CSZ			55 230	tension gashes @ 70°/50°			
									Symmetry still S+D			
S				26.00	CSZ			60 230	S sym			
									@261 ft S <sub>4</sub> 29°/50° → Is F <sub>4</sub> controlling the att. of tension gashes?			
S				27.85	CSZ			65 230				
S				29.76	CSZ			70 230				
S				32.25	PSZ			70 230	SD			
S				34.40	CSZ			73 230	S sum			
									@360 small perturbation in S limb			

Structural Log

Date: \_\_\_\_\_

Logged By: J. Madene

Code	From				To				Feature	E S	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14	16	20	22	24	26	28			32	34	38	40	44	Dip		Direct.
S				37	10			CSZ								70	230	S sym
S				39	15			PSZ								74	230	S sym
S				40	40			CSZ								70	230	Z sym which seems to persist below, until...
S				41	50			CSZ								60	230	S sym
S				43	88			PSZ								65	230	in 4A
S				45	70			PSZ								55	230	s <sub>2</sub> in 4A
S				47	50			PSZ								60	230	comp brdg in sfs
S				49	60			PSZ								72	230	
S				52	20			PSZ								70	230	
S				54	60			CSZ								70	230	in sfs
S				56	75			CSZ								67	230	s <sub>2</sub> in 4A
S				60	20			CSZ								65	230	"
S				62	80			PSZ								60	230	comp brdg in sfs
S				63	80			PSZ								65	230	
S				65	50			PSZ								70	230	
S				69	40			PSZ								80	230	4A
S				72	20			CSZ								65	230	S sym
S				74	25			PSZ								75	230	
																		step S <sub>1</sub> becomes dominant above guse zone ~ 745.5
S				75	40			PSZ								71	230	
S				76	90			PSZ								55	230	
S				81	10			PSZ								80	230	s <sub>2</sub> in 4A
																		Fault etc @ 823.7 ft. :
																		s <sub>2</sub> = 62°/230°
																		s <sub>2</sub> etc = 42°/340°
																		s <sub>2</sub> = 65°/275° relative to unit above
S				83	90			PSZ								65	230	
S				85	70			PSZ								70	230	
S				87	40			PSZ								70	230	
S				89	00			CSZ								60	230	4A

fracture in 4A bria steep

subvertical to 38°/50°  
C.A.M.C. 1981-E-4

Code	From				To				Feature	Sym	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		38
S				90130					CSZ							67	230	
S				9200					CSZ							67	230	Z sym??
S				9300					PSZ							60	230	SD4
S				9590					PSZ							65	230	
S				9710					PSZ							70	230	
S				9925					CSZ							55	230	Z sym??
																		@ 998 guessed etc // S <sub>1</sub> 50/230
S				10210					PSZ							69	230	
S				10370					PSZ							70	230	
S				10580					CSZ							60	230	
S				10750					PSZ							70	230	
S				11180					PSZ							62	230	
S				11410					PSZ							60	230	
S				11650					PSZ							65	230	
S				12080					PSZ							70	230	
S				12540					PSZ							78	230	
S				12760					PSZ							60	230	
																		Note: Most of these PSZ's @ f.w of hole are in 41 where Crenulations are hard to see (Also its awful cold today so maybe I EOH didn't look hard enuff

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION
	10	14	16	20		22	26	28	30			
P	1421	7	14215	7	9001A11						14E41	(4A) #31 Kerr Addison, whole core sampled #1185
P	14215	7	14218	0	177112	23			23		14A43	+3G2 #32
P	14218	0	14219	7	177113	17			16		14A31	+3G2 #33
P	14219	7	14320		177114	23			22		14L10	(400) #34
D	14320		14331		177115	11			11		41B14	sericitic sec <del>anagis</del> #35
P	14331		14336	2	177116	13			13		41A41	+3G2 #36
P	14336	2	14338	1	177117	19			19		14L10	(5D4) #37
P	14338	1	14445		177118	16			13		14A41	+3G2 sec <del>anagis</del> #38
P	14445		14472		177119	12			27		14L10	(46)(360) #39
P	14472		14508		177120	13			36		14B14	±4 (4D4) sericitic (4A phyll) #40
P	14508		14557		177121	14			49		14B10	" #40
P	14557		14592		177122	13			35		14C10	" #41
P	14592		14636		177123	14			44		14C10	" #41
P	14636		14654		177124	11			18		14A114	phyll #42
P	14654		14670		177125	11			16		51D14*	(400) #43
P	14670		14692		177126	12			22		14A11	+3G2 #44
P	14692		14709		177127	11			17		14D10	minor ser #45
P	14709		14724		177128	11			15		51C14*	marip+ank(100) #46
P	14724		14758		177129	13			34		41D14*	minor ser #47
P	14758		14776		177130	11			18		14E114	(4L)(4A) #48
P	14776		14820		177131	14			44		14A41	" #49
P	14820		14835		177132	11			15		14D14	minor ser #50
P	15115	0	15116	7	177133	13			37		14L12	4 [4D sericitic] #57
P	15116	7	15200		177134	11			13		14A34	bxia #58
P	15360		15430		177135	17			70		14A11	phyll #62
P	15430		15480		177136	15			50		14A114	" #62
P	15480		15540		177137	16			66		14A11	" #62
P	15540		15600		177138	16			60		14A11	" #62
P	15600		15680		177139	18			78		14A113	+3G2 #4 #63
P	15680		15770		177140	19			90		"	" #63
P	15770		15837		177141	18			67		14A114	phyll #64
P	15837		15896		177142	15			59		14A114	" #64
P	15896		15957		177143	16			61		14A114	" #64
P	15957		16015		177144	15			58		14A114	" #64

Feet →

#1

#2

#3

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION						
	10	14	16	20	22	26	28	30	32	34	36	40	42
P	160115	16080	77415	165	165	4A114	phyl #65						
P	16080	161144	77416	164	159	"	#65						
P	161144	161191	77417	147	145	4A101	minor sericite (400) #66						
P	161191	162140	91010A12	149		4D101	sericitic Kerr Add #1310 #67						
P	162140	16280	77418	140	140	4D415 (SD4*) (4A4)	#68						
P	16280	16328	77419	148	139	"	#68						
P	16328	16346	77450	116	116	4A111	+3GZ (4A13) #69						
P	16559	16618	7751	59	49	4D101	sericitic (4A4) (400) #73						
P	16618	16677	7752	59	59	4A113	+3GZ #74						
P	16677	16733	91010A13	56		4A14	+3GZ } whole core sampled #75						
P	16733	16786	91010A4	53			} bulk #75						
P	16786	16823	91010A5	37			} sample #1315, 1316, 1317 #75						
P	16823	16880	7753	57	57	4A40	+3GZ #76						
P	16880	16909	7754	129	126	4L11	+gauge #77						
P	16909	16964	7755	55	55	4A11	#3 +3GZ #78						
P	16964	17010	7756	46	42	"	#78						
P	17010	17063	7757	53	45	"	#78						
P	17063	17134	91010A6	71		4A44	(4E4) } whole core #79						
P	17134	17194	91010A7	60			} sampled KA #79						
P	17194	17215	91010A8	121			} sample #1323, 1324, 1325 #79						
P	17300	17333	7758	133	133	4K14	±1 #82						
P	17333	17348	7759	115	113	4D14	#83						
P	17348	17397	7760	149	149	4A114	#84						
P	17908	17952	91010A9	144		4E4	+4E0 ±4 ±* ±2000s } #95, 96						
P	17952	18010	91010B10	153		4E4	+4E4 ±1 #97, 98 } sample #1326, 1329						
P	18010	180160	7761	55	55	4A113	#99						
P	180160	181120	7762	160	55		#99						
P	18116	181186	91010B11	170		4E4	4G? 4A? KA sample #1332 } whole core #100						
P	181186	18217	7763	131	129	4A113	#101						
P	19764	19780	7764	116	113	4A0	(4L) #123						
P	19780	19810	7765	130	129	4L0	#124						
P	19810	19840	7766	130	126	4C0	ser (4L) #125						



FEET!

FAULT

DDH EAG 063  
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: 27 Oct 83 Logged By: \_\_\_\_\_

Code	From		To		Feature	S <sub>1</sub> m	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14 16	20	22 24 26 28			Dip	Direct.	Dip	Direct.	Dip	Direct.		
F	112120	112140	BIG										brken w/ minor gauge	
F		112165	G										gauge	
F		114160	IG										minor gauge	
F		114175	IG										minor gauge	
F		116147	Q					9.9	9.9	9.9			1000 // S <sub>2</sub>	
F	121030	121210	3B										much brken core	
F	121229	121280	TT										poker chip	
F	121320	121350	TIG										poker chip w/ minor gauge	
F	121465	121515	TIG										poker chip w/ minor gauge	
F		121390	J					2.0	1.8	0			transverse gashes	
F		121551	G										gauge	
F		126164	G										gauge	
F	127160	128136	Q					9.9	9.9	9.9			strong veining // S <sub>2</sub>	
F	128136	129122	2B										fairly broken	
F	129122	129145	RIG										rubble & gauge	
F	129145	131037	3B										brken into 1-2 cm pieces	
F	131016	131100	Q										1000	
F		131558	G										gaugey	
F		131563	G										gaugey	
F		141090	G										gauge	
F	141090	141157	B										brken core	
F	141188	141195	X										biaxial	
F	141195	142107	G										gauge	
F	142117	142157	NMN										whole core sampled by K-A	
F	141445	141472	3BR										very brken & rubble	
F	151100	151150	GF										gauge - fault	
F	151150	151170	P										poor recovery	
F	151187	152100	X										brken w/ 4E & 4A	
F	152100	152110	G										gauge	
F	152110	152130	B				60	23	10		60	18	10	brken core
													fracture	
F	152150	153160	BR										broken, rubble	
F		153160	X										minor biaxial	
F	161191	162140	NMN										K-A sample - no core	
F	161670	161823	NMN										K-A sample - no core	
	161823	161834	R										rubble	

FEET!

FAULT

DDH FAGAD03  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

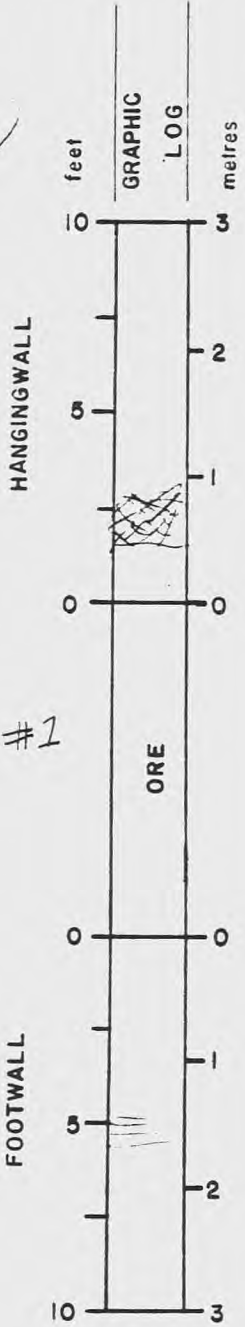
Date: 27 Oct 83 Logged By: \_\_\_\_\_

Code	From				To				Feature	E/S	S <sub>0</sub>				S <sub>1</sub>				S <sub>2</sub>				Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.			
F	1618	14	16	20	22	24	26	28														rubble	
F	1618	14	16	20	22	24	26	28														50% rubbled & gougey	
F	1701	16	18	20	22	24	26	28														K-A sample no core	
F	1701	16	18	20	22	24	26	28														haled bxa	
F	1731	16	18	20	22	24	26	28														banded & patchy bxiated layers	
F	1741	16	18	20	22	24	26	28														60% gouged	
F	1751	16	18	20	22	24	26	28													45	1180	bxa
F																							rubble
F																							10cm gouge // S <sub>2</sub>
F	1776	16	18	20	22	24	26	28															gray & white gouge
F	1781	16	18	20	22	24	26	28															rubble + poor recovery - minor
																							gouge - mixed rock types
F	1791	16	18	20	22	24	26	28															K-A sample - No core
F	1811	16	18	20	22	24	26	28															K-A sample - no core
F																							minor gouge
F																							gouge
F	1841	16	18	20	22	24	26	28															gouge
F	1841	16	18	20	22	24	26	28															broken core
F																							gouge
F																							gouge
F																							gouge
F																							gouge
F																							gouge
F																							gouge
F																							fracture bxiated
F																							bxiated & rubbled
F	1911	16	18	20	22	24	26	28															minor gouge
F	1921	16	18	20	22	24	26	28															gouge
F	1921	16	18	20	22	24	26	28															broken
F	1941	16	18	20	22	24	26	28															broken core & minor gouge
F																							minor broken core
F																							gouge
F																							gouged contact
F	1110	11	15	11	10	14	0																rubble & minor gouge
F																							minor gouge
F	1116	17	7	11	19	10	9																missing core box
																							gouge



GEOTECHNICAL LOG

feet

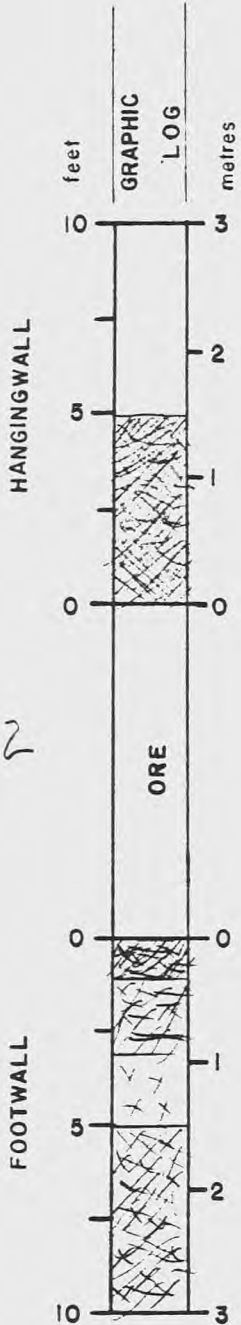


INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
411.7	Moderately competent 3 gauge	12/10.0 890	3cm	5B0 5B2	
471.7		SIZE OF CORE BQ			
483.8	COMPETENT	3.4/1.0 3490	8-15cm 1/2cm 5-10cm	5D4* 3G0	
493.5					

GEOTECHNICAL LOG

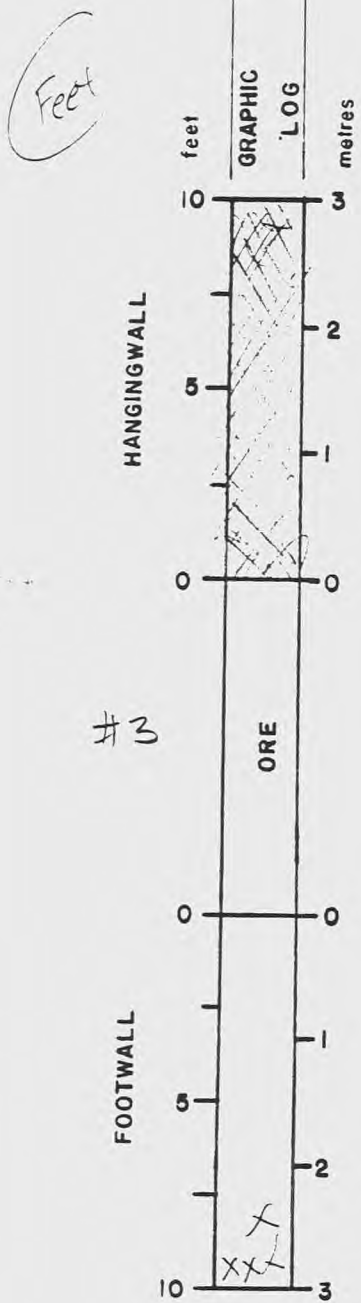
Feet

#2



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
505	COMPETENT	1.2 50 2490	100cm	390 5D4*	
515	Gouge + INCOMP. Pore ker'ly	0	0		
		SIZE OF CORE BQ			
520-521	INCOMPETENT	0	0	GOUGE 390 Broken	
523				390	
530				410? Broken + some gouge	

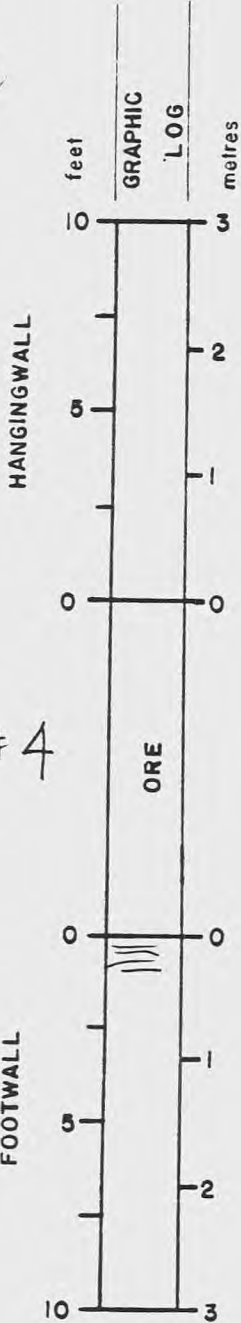
GEOTECHNICAL LOG



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
536.0	Rubble Incompetent	0	0	4L0? Broken rubbl min conge	
536.0		SIZE OF CORE BQ			
634.6	COMPETENT  Minor broken conc	27 <del>10.0</del> 27.0	6cm	4L0 3G2 4L0 (344) (445)	
644.6					

GEO TECHNICAL LOG

Feet



#4

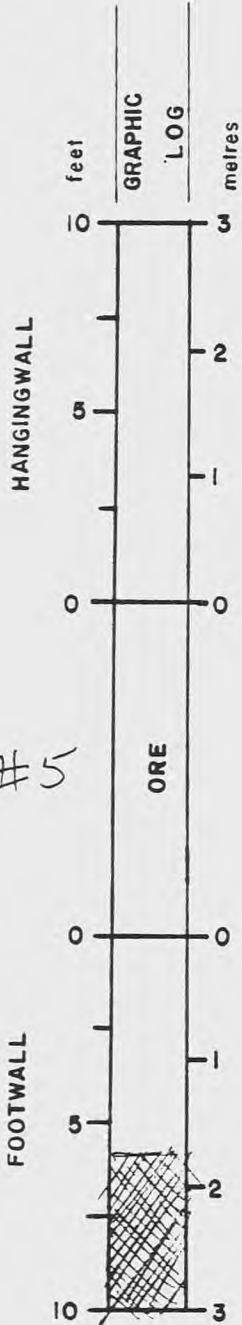
INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
645.9	COMPETENT	$\frac{4.0}{10.6}$	10cm	4L0	
655.9		SIZE OF CORE EQ			
721.5	COMPETENT	$\frac{0.7}{10.0}$	6cm	5A6 4L0	
731.5					→ 730.0 ORE HORIZON #5

40%

7%

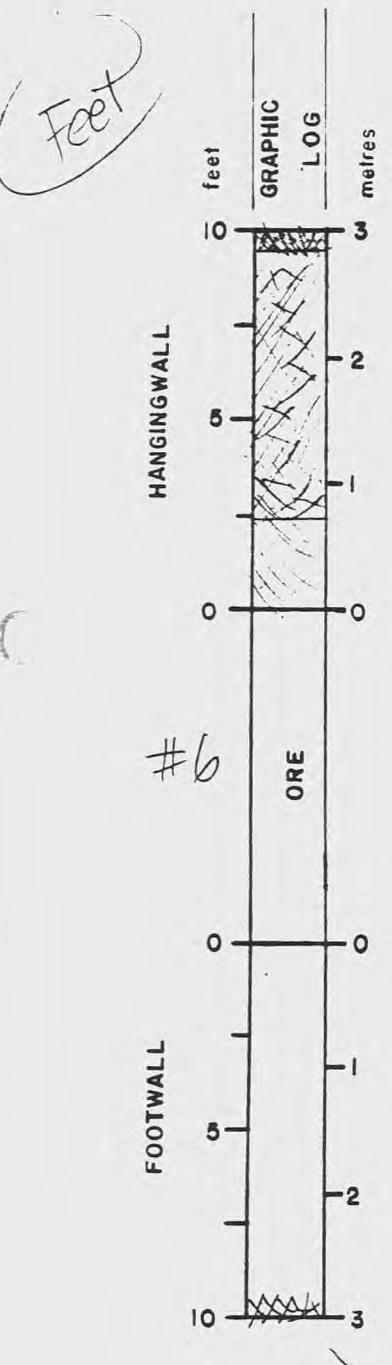
GEOTECHNICAL LOG

Feet



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
720.0	COMPETENT	7%	6cm	5A6 4L0	→ 721.5 ORE HORIZON #4
730.0		SIZE OF CORE BQ			
739.7	COMPETENT	2.4 7.3	10cm	4L0	
747	Grouped Incompetent	0	0	4L0 - 5.9% fossil	
749.7					

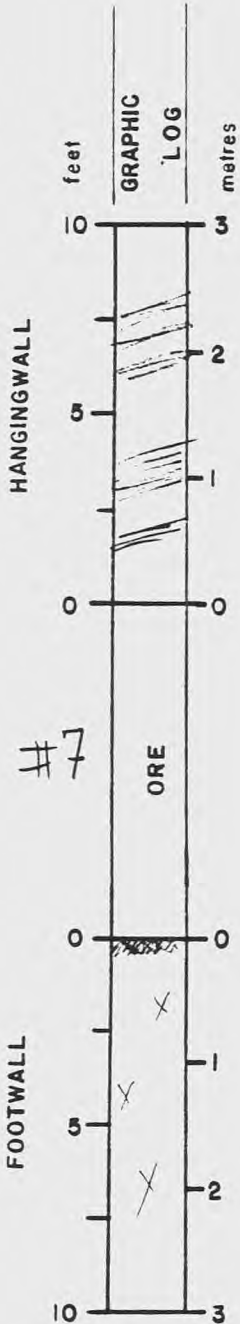
GEOTECHNICAL LOG



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
780.8	Gouge Bubble Froke Pool Ren's. Gouge INCOMPETENT	0	0	Gouge Pebble	
790.8	rock			400 of rock	
		SIZE OF CORE BQ			
821.7	COMPETENT	$\frac{316}{10.2}$ 30%	10cm	400 (504*) 390	
831.7	Thin gouge				

GEOTECHNICAL LOG

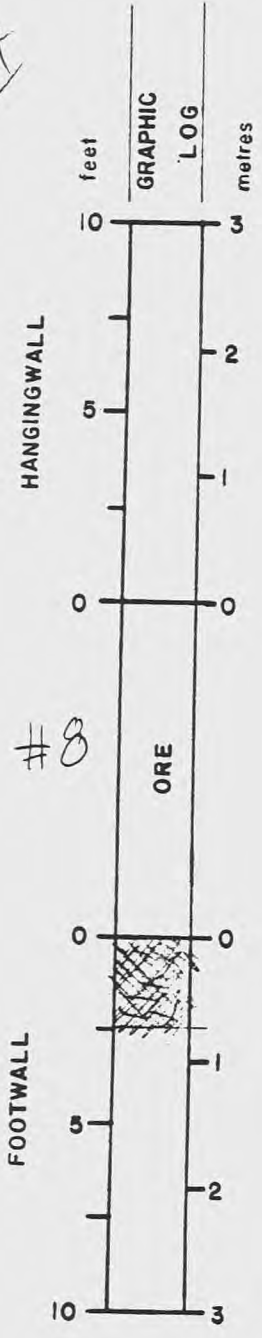
Feet



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
966.4	Moderately Competent	0.4 / 10.0 49%	1/2 - 10 cm average ~ 5cm	390 440	Not fractured rubbled or gouged but much poker chip core
976.4		SIZE OF CORE BQ			
999.9	COMPETENT Minor broken core	2.3 / 10 23%		440 390	
1009.9					

GEOTECHNICAL LOG

Feet



INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
1074.0	COMPETENT	2.6 10.6 26%	7cm	5AB 4LG 5AB	
1084.0		SIZE OF CORE BQ			
1101.5	Rubble + minor gangue INCOMPETENT	0	0	4LG	Seems relatively competent This core was split in 1/4 so RQD + AP. not measured - would be meaningless
1111.5	COMPETENT				











# DIAMOND DRILL RECORD

LOGGED BY F. Chow

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH Proposed: \_\_\_\_\_ Ultimate: \_\_\_\_\_

D.D.H. No. 75-A68 PAGE 6 of 21

CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
510.0	515.0	FAULT Gray-dark gray gouge.	0.3/5		510.0	515.0											
515.0	520.0	QUARTZ - SULPHIDES - SERICITE 70% quartz-feldspar, 15-20% pyrite, 4.5% lead-zinc, 2-5% sericite Siliceous and hard, fractured and leached. Rock weakly competent. Breccia @ 519.2'-520',  Core Angle: 70-75°.	3.6	1196	515.0	520.0	5.0	1.78	3.12	.77							
520.0	521 (?)	FAULT Light gray gouge.	0.4/1		520	521											
521	525	QUARTZ - SERICITE PHYLLITE 45-50% quartz. One 1/2" band of lead-zinc-pyrite. Light to medium gray, thinly foliated. Intensely sheared, 1/2" faults with fragments and gouge @ 524',  Core Angle: 50-70°.	2.6/4		521	525											
525	634.6	QUARTZ - SERICITE - SULPHIDES + GRAPHITE 55-65% quartz-feldspar, 15-20% (?) sericite, 0-1% graphite, 5-20% pyrite. Variable lead-zinc. Grayish-white to grayish matrix.	1.6	1197	525.0	529.0	4.0	1.58	2.88	.74							



# DIAMOND DRILL RECORD

LOGGED BY F. Chow

D.D.H. No. 75-A68 PAGE 8 of 21

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_

Proposed:  
DEPTH Ultimate: \_\_\_\_\_



CLAIM No. \_\_\_\_\_  
DIRECTION AND DISTANCE FROM  
NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet					
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
			6.6	1308		614.7	6.7	4.28	5.22	1.82								
		Core Angle: 70-75° throughout.	4.3	1309		619.1	4.4	3.38	1.76	.94								
			4.9	1310		624.0	4.9	3.30	4.80	1.18			11.17	23.52	5.762			
			8.8	1311		632.8	8.8	5.45	9.85	2.38			47.96	86.68	20.944			
			1.8	1312		634.6	1.8	1.10	3.00	.59								
						602.6	614.7	12.1'	3.32	5.08	1.58			40.178	61.542	19.160		
						619.1	632.8	13.7'	4.68	8.04	1.95			64.13	110.20	26.726		
634.6	655.9	QUARTZ - SERICITE PHYLLITE Altered, 30% bleached buff. 50-55% quartz-feldspar, thinly banded, gray buff. F1 moderately well developed. 1/4" pyrite, lead-zinc @ 637.4' and 0.6' @ 639.3' -639.9'. Minor shearing and fracturing @ 641'-646', otherwise rock is moderately competent.	21/21	3	634.6	655.9												
		Core Angles: 60° @ 635'-648', 65-75° to 655'.																
655.9	721.5	QUARTZ - SULPHIDES - SERICITE ± GRAPHITE PHYLLITE 60-70% quartz-feldspar, 10-35% pyrite, 2-12% lead-zinc, 2-30% sericite, 0-2% graphite. Local F1, poor to 680'. F2 mineralization to 680'. F1 moderately developed from 680'-722'. F1 and F2 mineralization from 680'-721.4'. Minor cracks. Rock siliceous and hard, competent to 682'. Sheared and soft phyllites @ 682'-685' and at 688'-689.5', Competent from 690.2'-721.0'.	5.7	1313	655.9	661.6	5.7	4.50	4.26	1.62								
			6.0	1314		667.7	6.1	.53	1.18	.29								
			5.6	1315		673.3	5.6	8.00	7.80	3.21			44.8	43.66	17.910			

# DIAMOND DRILL RECORD

LOGGED BY F. Chow

D.D.H. No. 75-A68 PAGE 9 of 21

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH Ultimate: \_\_\_\_\_

Proposed:

Ultimate:



CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
	655.9'-661.6'	-- rich lead-zinc pyrite bands in buff sericite + graphite, 12% pyrite, 9% lead-zinc.	5.3	1316		678.6	5.3	8.15	15.38	3.53			43.95	81.514	15.709
	-667.7'	-- quartz-sulphides-sericite-graphite, 25% pyrite, 2% lead-zinc.	Wt. Average		677.7	678.6	10.9	8.07	11.49	5.37			27.995	125.194	31.150
	-678.6'	-- quartz-sulphides-sericite-graphite, 35% pyrite, 12% lead-zinc.	3.7	1317		682.3	3.7	3.30	5.22	1.88			12.21	19.314	6.956
	-682.3'	-- quartz-sulphides-sericite-graphite, 30% pyrite, 7% lead-zinc.													
	-685.0'	-- quartz-sericite-sulphides-graphite, 0-5% pyrite (Av 2) spot of lead-zinc, sericitic and fissile	2.5	1318		685.0	2.7	.62	.50	.21			1.674	1.38	0.567
	-688.0'	-- quartz-sericite-sulphides-graphite, sericitic buff firm - Av 10% pyrite, 6% lead-zinc	3.0	1319		688.0	3.0	4.65	4.32	1.62			13.95	12.96	4.66
	-690.2'	-- quartz-sericite, very sericitic, sheared and soft. No sulphides.	Wt. Average		678.6	688.0	9.4	2.96	3.56	1.32			27.831	336.24	12.383
	-706.3'	-- quartz-sulphides-sericitic-graphite 25% pyrite, 4.5% lead-zinc.	2.2/ 2.2			690.2									
	706.3'-721.5'	-- quartz-sulphides-sericite-graphite, rich pyrite, lead-zinc bands.	5.8	1320		696.0	5.8	2.00	1.84	.88			11.6	10.672	5.104
		increasing graphite towards 721.5'. This section shows many slips and fractures. Also sulphide and phyllite breccia. Entirely cemented into hard competent rock.	5.3	1321		701.3	5.3	1.73	2.52	1.09			9.169	13.356	5.777
			4.8	1322		706.3	5.0	1.18	3.18	.74			5.9	15.9	3.7
	706.3'-719.4'	-- Av 30% pyrite, 17% lead-zinc	7.1	1323		713.4	7.1	7.63	9.81	3.00			54.173	69.651	21.3
	-720.4'	-- quartz-sericite-graphite barren	6.0	1324		719.4	6.0	10.23	19.10	4.12			61.38	114.6	24.72
	-721.5'	-- quartz-sulphides-sericite-graphite band, 33% lead-zinc, 25% pyrite	Wt. Average		690.2	706.3	16.1	1.66	2.48	0.91			21.669	37.928	17.561
	Core Angles: 65-70° @ 656'-699', 50° @ 700-704', 75° @ 706', 70° @ 717', 80° @ 721'. Lower contact @ 60°.		2.1	1325		721.5	2.1	10.06	12.46	3.53			21.126	26.165	7.413
			Wt. Average		701.3	721.5	15.2	8.99	13.84	3.52			131.139	172.111	52.433



# DIAMOND DRILL RECORD

LOGGED BY F. Chow

D.D.H. No. 75-A68

PAGE 11 of 21

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

Proposed:  
DEPTH Ultimate: \_\_\_\_\_



CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		756.2'-767.6' -- 4% pyrite, 0.3% lead-zinc 788' -790.8' -- 2% pyrite, 2.4% lead-zinc, siliceous and hard rock.	1.7/5		776.0	781.0											
		745.5'-750.7' -- intensely sheared. Fault gouge at 746.5', 748.6' and at 750'-750.7' (20° contact)	1/4			785.0											
		767.6'-770' -- as above	1/3			788.0											
		776' -788.7' -- sheared. Main fault at 776'-781'. Rocks not competent, rather weak from 745.5'-788.7'.	2.6	1327	788.0	790.8	2.8	.40	1.00	.12			1.12	2.8	.336		
		Core Angles: 70° @ 741', 65° @ 745', 70° @ 752', 75-80° @ 761'-765', 70° @ 767'-785', 60° @ 788'-790'.															
790.8	800.0	<b>MASSIVE SULPHIDES</b> 70-80% pyrite, 10-15% quartz, local barite 10%, scattered low and rich bands of lead-zinc -- Av. 5% (?) Light brown sphalerite common. Minor fracturing, leached bands of pyritic sulphides. Rock firm.	4.2	1328	790.8	795.2	4.4	4.73	6.00	2.21			20.612	26.4	9.724		
			5.2	1329		800.5	5.3	5.10	8.30	2.06			27.03	43.99	10.918		
			Wt. Average		790.8	800.5	9.7	4.93	7.26	2.13	(71.17/47)		47.643	70.39	20.642		
		Core Angle: 60-65°.															
800.0	823.7	<b>QUARTZ - SULPHIDES - GRAPHITE - SERICITE PHYLLITE</b> 70% quartz-feldspar, 15-35% pyrite (Av. 20%) Variable lead-zinc content. Barite in sulphide rich bands. Mainly P2 mineralization. Striped banding. Quartz and hard. F1 moderately developed, F1 nose @ 806.6'.	2.5	1330	800.5	803.0	2.5	.30	.34	.18			1.073	2.125	1.126		
			5.0	1331		808.6	5.6	3.23	3.72	1.00			13.068	20.832	5.6		











# DIAMOND DRILL RECORD

LOGGED BY F. Chow

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_

Proposed:  
DEPTH Ultimate: \_\_\_\_\_

D.D.H. No. 75-A68 PAGE 17 of 21

CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE, CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		1051.6'-1060.8' -- odd lead-zinc mineralization -1066.0' -- 3-4% lead-zinc -1069.4' -- negligible lead-zinc	3.2/ 3.4			1069.4											
		Core Angles: 75° @ 1052'-1057', 40° shearing @ 1057'-1059', 75° @ 1060'-1067', 40-25° shearing at 1068'-1069'.															
1069.4	1084.0	QUARTZ - SERICITE PHYLLITE and QUARTZ GRAPHITE PHYLLITE 50-55% quartz, interbanded sections of sericite and graphite phyllite. Sericite phyllite totally bleached. Mainly thinly banded. Fl in graphite phyllite only and locally developed. Negligible pyrite, lead-zinc except at 1077'-1077.4'. 25% pyrite, .5% magnetite, 6% lead-zinc. Rocks moderately competent Bleached sericite phyllite at 1069.4'-1077.5', 1079.8'-1082.4'.	14.6/ 14.6			1069.4	1084.0										
		Core Angles: 75° to 1077', 70° at 1078'-1084'.															
1084.0	1101.2	QUARTZ - SULPHIDES - BARITE Massive quartz-barite with banded and dissem. sulphides and massive sulphides. 1084'-1097.7' -- quartz-barite = 40% quartz, 20% barite, 25% pyrite, 15% (?) lead-zinc -- light brown and honey coloured sphalerite -- flakey galena	6.6 6.2	1340 1341	1084.0	1091.0 1097.7	7.0 6.7	5.60 4.50	7.75 6.32	2.44 2.00			39.20 30.15	54.25 42.34	11.08 13.40		









FAGA073

DRILL HOLE : FAGA073  
NORTHING : 905,149.4  
EASTING : 592,364.9  
ELEVATION : 1,302.2  
TOTAL DEPTH : 364.1  
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: 31  
NOS DOWN-H-SURVEYS: 6  
NOS DOWN-H-LITHOLOGY: 90  
NOS DOWN-H-STRUCTURE: 53  
NOS DOWN-H-FAULTS: 48  
NOS DOWN-H-SPLINES: 6  
NOS COMPOSITES: 0

21NOV83 GRUM

## ORE SAMPLES &amp; ASSAYS (DH020)

PAGE: 2

DDH: FAGA073 UTM-N: 905,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 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	ASSAYS														
FROM	TO				S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
35.7	36.7	9C052	1.0	.5	4A0			.54	1.04			8.90							
36.7	38.4	9C053	1.7	1.0	4A0			1.42	2.73			24.30							
38.4	39.3	9C054	.9	.6	4A4			1.60	3.41			32.19							
39.3	41.1	9C055	1.8	.7	4A4			1.83	4.32			35.29							
41.1	42.7	9C056	1.6	.8	4A0			1.37	1.30			27.39							
46.0	46.9	9C057	.9	.8	4E4			3.60	9.53			66.50							
61.4	62.9	07200	1.5	1.5	4AL	3.06	.02	2.50	6.09	41.00		.34	3	5	9				
62.9	64.2	07301	1.3	1.3	4AL	2.91	.02	2.39	4.29	41.00		.55	2	2	5				
64.6	65.4	07302	1.8	1.8	4A4	2.89	.04	2.29	4.20	40.00		.55	1	1	3				
66.4	68.3	07303	1.9	1.8	4A4	2.93	.05	2.20	4.59	35.00		.75	1	3	4				
68.3	70.1	07304	1.8	1.8	4A4	2.79	.08	3.20	5.00	51.00		.89	1	6	7				
70.1	71.9	07305	1.8	1.8	4A4	2.93	.04	2.39	5.20	40.00		.89	1	3	4				
71.9	73.8	07306	1.9	1.8	4A4	2.93	.02	1.89	5.40	39.00	39.00	.40	1	2	3				
73.8	75.6	07307	1.8	1.8	4A0	3.08	.05	1.14	2.79	23.00		.47	3	6	9				
75.3	77.1	9C058	1.8	1.7	5C3			.34	.41			3.10							
77.1	79.9	9C059	2.8	2.7	4E4			8.85	14.92			128.19							
79.9	81.4	9C060	1.5	1.5	4D4			4.20	5.28			58.60							
81.4	84.4	9C061	3.0	3.0	4D4			3.45	7.32			50.39							
84.4	86.4	9C062	2.0	2.0	4D4			4.13	7.29			55.49							
86.4	88.1	9C063	1.7	1.7	4D4			1.94	5.75			25.39							
88.9	90.5	9C064	1.6	1.2	4A4			2.14	4.86			32.19							
90.5	92.4	9C065	1.9	1.8	4A4			2.08	3.47			23.10							
92.4	94.2	9C066	1.8	1.8	4A4			5.92	12.58			90.79							
94.2	95.3	9C067	1.1	.7	4A4			2.77	5.16			44.20							
95.3	97.4	9C068	2.1	.9	4A4			2.93	7.67			46.29							
98.6	99.5	9C069	.9	.4	5C04			.99	4.25			18.19							
100.1	100.6	9C070	.5	.5	5C04			2.39	7.01			39.39							
100.6	103.5	9C071	2.9	2.9	4D4			5.83	10.44			88.79							
299.1	301.3	07308	2.2	2.2	4AL	3.12	.07	1.85	4.29	30.99		.55	2	5	8				
301.3	302.8	07309	1.5	1.5	4G44	4.21	.04	6.40	8.10	97.00		1.43	1	15	16				
302.8	304.5	07310	1.7	1.3	4ELC	3.79	.16	4.20	5.79	65.00		1.85	2	20	23				

## WEIGHTED AVERAGE

35.7	42.7	7.0	3.6			1.41	2.65			26.65									
46.0	46.9	.9	.8			3.60	9.53			66.50									
61.4	64.2	2.8	2.8		2.99	.02	2.45	5.26	41.00			.43	3	4	7				
64.6	75.6	11.0	10.8		2.92	.05	2.18	4.54	37.98			6.73	.65	1	4	5			
75.3	88.1	12.8	12.6				4.19	7.56				59.20							
88.9	97.4	9.5	6.4				3.20	6.92				48.72							
98.6	99.5	.9	.4				.99	4.25				18.19							
100.1	103.5	3.4	3.4				5.33	9.94				81.53							
299.1	304.5	5.4	5.0		3.63	.09	3.85	5.82	60.03			1.20	2	13	15				

21NOV83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 3

DDH: FAGA073 UTM-N: 905,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

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

21NOV83 GRUM

DOWN-HOLE SURVEYS (OH020)

PAGE: 4

DDH: FAGA073 UTM-N: 905,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
64.600	179.000	102.000
122.500	180.000	91.500
183.500	163.000	95.500
244.400	161.000	106.500
305.400	159.000	99.900

21NOV83 GRUM

## DOWN-HOLE LITHOLOGY (DM020)

PAGE: 5

DOH: FAGA073 UTM-N: 905,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DM0 CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
33.5	0001	#		0.5-	1
35.7	0002	5B6\$	20	0.5-	1
36.7	0003	4D0	(4E1 BXA)(5D4*) 4C:4C:20	0.5-	1
42.7	0004	4A0	84	0.5-	1
44.3	0005	5B6\$	.	0.5-	1
48.9	0006	5C4*	(5D4*) (4E4 BXA)	0.5-	1
57.9	0007	5B62	8\$ 89 84 -> 5A6	0.5-	1
58.2	0008	5A19	[4C8]	0.5-	1
61.4	0009	5C\$	(5D\$)	0.5-	1
62.0	0010	4L4	-> 4LC	0.5-	1
63.2	0011	4A0		0.5-	1
64.2	0012	4L4		0.5-	1
64.6	0013	5C3	-> 5C34	0.5-	1
75.6	0014	4A4	(4A0) E.O.I.	0.5-	1
77.1	0015	5C3	-> 5C34	0.5-	1
79.6	0016	4E4	8POROUS	NO CORE	1
89.2	0017	4D4		NO CORE	1
97.7	0018	4A4	(5D*) MINOR	NO CORE	1
100.6	0019	5D4*		0.5-	1
103.5	0020	4D4	-> 4L4 (5D4*) SOME JUMBLED CORE	0.5-	1
103.8	0021	5B26		0.5-	1
104.7	0022	10C0	8*	0.5-	1
106.6	0023	5B26		0.5-	1
120.9	0024	5B6		0.5-	1
121.9	0025	5B8\$	.	0.5-	1
122.4	0026	5C\$		0.5-	1
126.2	0027	5B80	.	0.5-	1
126.9	0028	5D0	8\$	0.5-	1
129.1	0029	5B80	.	0.5-	1
130.8	0030	5D0	8\$	0.5-	1
132.1	0031	5C\$		0.5-	1
132.5	0032	5B62	BXA	0.5-	1
132.7	0033	5C\$		0.5-	1
132.9	0034	5E6		0.5-	1
133.2	0035	5D0		0.5-	1
134.3	0036	5A0	8\$ -> 5B62	0.5-	1
134.9	0037	5B80	-> 5D0	0.5-	1
135.0	0038	5D0		0.5-	1
135.9	0039	5B80	-> 5D0	0.5-	1
137.2	0040	5A\$	-> 5A0 LOCALLY	0.5-	1
137.4	0041	5B86	.	0.5-	1
138.4	0042	5C\$		0.5-	1
141.3	0043	5B86\$	83 -> 5D680	0.5-	1
142.7	0044	5C3		0.5-	1
143.1	0045	5D0		0.5-	1
148.3	0046	5B26	8\$ MINOR(5D0)MINOR(5C\$)V.MINOR	0.5-	1
153.0	0047	5B26	8\$ MINOR(5D6)MINOR(5C\$)V.MINOR	0.5-	1
155.3	0048	5C\$		0.5-	1
171.1	0049	5B2\$	80 -> 5A0	0.5-	1
183.0	0050	5B6	8\$ MINOR 8\$ V. MINOR	0.5-	1
188.8	0051	5B6	8\$ (5D\$) 65:35	0.5-	1

21NOV83 GRUM

## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 6

DDH: FAGA073 UTM-N: 905,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
194.6	0052	5B6	83 V. MINOR	0.5-	1
202.7	0053	503	80 (5B6& 80 MINOR)	0.5-	1
216.9	0054	5B6	[3G0]	0.5-	1
217.9	0055	503	[500]	0.5-	1
225.9	0056	5B6	82 MINOR	0.5-	1
226.2	0057	5B62	GOUGE	0.5-	1
228.0	0058	4L24	-> 3G46	0.5-	1
236.3	0059	3G0	.	0.5-	1
239.3	0060	3G4	STRINGER - WEAK	0.5-	1
242.7	0061	4LC	81 82 &7 STRINGER	0.5-	1
243.3	0062	5B64	[3G4]	0.5-	1
246.0	0063	3GC	[5B6]	0.5-	1
250.2	0064	4LW	8& -> 3G48 STRINGER	0.5-	1
268.1	0065	3G48	STRINGER (3B3 BIO)	0.5-	1
271.2	0066	4L07	STRINGER	0.5-	1
274.2	0067	3G48	.	0.5-	1
276.9	0068	4L76	-> 3G48 STRINGER	0.5-	1
284.4	0069	3GC	88 STRINGER - WEAK	0.5-	1
290.9	0070	3G48	STRINGER - WEAK [4L6]	0.5-	1
293.7	0071	4L02	-> 3G4 LOCALLY	0.5-	1
296.1	0072	3G0	[5B6]	0.5-	1
299.1	0073	4L0	82	0.5-	1
300.9	0074	4A0		0.5-	1
301.3	0075	4L3		0.5-	1
302.8	0076	4G4#	(4E4 POROUS) MINOR	0.5-	1
303.3	0077	4E4#	POROUS	0.5-	1
303.6	0078	4L03		0.5-	1
304.5	0079	4E0	(4C0) BXA	0.5-	1
305.0	0080	4L0	GOUGE	0.5-	1
316.1	0081	4LC2	-> 3G STRINGER	0.5-	1
321.0	0082	3GC	-> 3G4 E.O.I.	0.5-	1
336.2	0083	3G0	89	0.5-	1
344.2	0084	3G91	(3D ) BIO	0.5-	1
352.0	0085	3D	(5C )HORNFEISED? 3I? MYLONITE?	0.5-	1
352.7	0086	3G91		0.5-	1
354.7	0087	5CD	HORNFEISED? 3D? MYLONITE?	0.5-	1
360.9	0088	3G91	86	0.5-	1
362.0	0089	5C3	(3C3)	0.5-	1
364.2	0090	3GC	(10Q0)	0.5-	1

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## DOWN-HOLE STRUCTURE (DH020)

PAGE: 7

DDH: FAGA073 UTM-N: 905,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 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
FAGA073	0.0	33.8	CS2		0	0	0	C		1	1	1
FAGA073	0.0	39.9	CS2		0	0	0	C		1	1	1
FAGA073	0.0	46.0	CS2		0	0	0	C		1	1	1
FAGA073	0.0	53.6	CS2		0	0	0	C		1	1	1
FAGA073	0.0	60.7	CS2		0	0	0	C		1	1	1
FAGA073	0.0	66.1	CS2		0	0	0	C		1	1	1
FAGA073	0.0	72.1	CS2		0	0	0	C		1	1	1
FAGA073	0.0	81.1	CS2		0	0	0	C		1	1	1
FAGA073	0.0	91.0	CS2		0	0	0	C		1	1	1
FAGA073	0.0	97.8	CS2		0	0	0	C		1	1	1
FAGA073	0.0	105.0	CS2		0	0	0	C		1	1	1
FAGA073	0.0	112.4	CS2		0	0	0	C		1	1	1
FAGA073	0.0	117.6	CS2		0	0	0	C		1	1	1
FAGA073	0.0	123.7	CS2		0	0	0	C		1	1	1
FAGA073	0.0	129.2	CS2		0	0	0	C		1	1	1
FAGA073	0.0	136.5	CS2		0	0	0	C		1	1	1
FAGA073	0.0	142.3	CS2		0	0	0	C		1	1	1
FAGA073	0.0	148.6	CS2		0	0	0	C		1	1	1
FAGA073	0.0	155.8	CS2		0	0	0	C		1	1	1
FAGA073	0.0	160.5	CS2		0	0	0	C		1	1	1
FAGA073	0.0	166.7	CS2		0	0	0	C		1	1	1
FAGA073	0.0	173.4	CS2		0	0	0	C		1	1	1
FAGA073	0.0	179.5	CS2		0	0	0	C		1	1	1
FAGA073	0.0	186.8	CS2		0	0	0	C		1	1	1
FAGA073	0.0	192.6	CS2		0	0	0	C		1	1	1
FAGA073	0.0	197.5	CS2		0	0	0	C		1	1	1
FAGA073	0.0	206.7	PS2		0	0	0	C		1	1	1
FAGA073	0.0	213.1	PS2		0	0	0	C		1	1	1
FAGA073	0.0	218.6	PS2		0	0	0	C		1	1	1
FAGA073	0.0	224.6	PS2		0	0	0	C		1	1	1
FAGA073	0.0	230.4	PS2		0	0	0	C		1	1	1
FAGA073	0.0	235.9	CS2		0	0	0	C		1	1	1
FAGA073	0.0	242.0	CS2		0	0	0	C		1	1	1
FAGA073	0.0	248.4	CS2		0	0	0	C		1	1	1
FAGA073	0.0	254.5	PS2		0	0	0	C		1	1	1
FAGA073	0.0	260.5	CS2		0	0	0	C		1	1	1
FAGA073	0.0	266.9	CS2		0	0	0	C		1	1	1
FAGA073	0.0	272.9	CS2		0	0	0	C		1	1	1
FAGA073	0.0	279.7	CS2		0	0	0	C		1	1	1
FAGA073	0.0	285.8	CS2		0	0	0	C		1	1	1
FAGA073	0.0	291.9	CS2		0	0	0	C		1	1	1
FAGA073	0.0	298.1	CS2		0	0	0	C		1	1	1
FAGA073	0.0	307.1	PS2		0	0	0	C		1	1	1
FAGA073	0.0	313.0	PS2		0	0	0	C		1	1	1
FAGA073	0.0	317.8	PS2		0	0	0	C		1	1	1
FAGA073	0.0	324.0	PS2		0	0	0	C		1	1	1
FAGA073	0.0	331.5	PS2		0	0	0	C		1	1	1
FAGA073	0.0	336.2	PS2		0	0	0	C		1	1	1
FAGA073	0.0	341.4	PS2		0	0	0	C		1	1	1
FAGA073	0.0	347.5	PS2		0	0	0	C		1	1	1
FAGA073	0.0	353.0	PS2		0	0	0	C		1	1	1

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DOWN-HOLE STRUCTURE (DH020)

PAGE: 8

ODH: FAGA073 UTM-N: 935,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 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 COE	DHDC	SDC	PROCESS
FAGA073	0.0	358.4	PS2	0	0	69 230	C	1	1	1
FAGA073	0.0	363.6	PS2	0	0	58 230	0	1	1	1

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## DOWN-HOLE FAULTS (DHO20)

PAGE: 9

DDH: FAGA073 UTM-N: 905,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 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	
FAGA073	35.5	36.7	XD?				0	0	C	0	1
FAGA073	46.0	47.2	XD?				0	0	0	0	1
FAGA073	44.3	48.9	SF				0	0	0	0	1
FAGAC73	75.7	103.5	NNN				0	0	C	0	1
FAGA073	104.7	105.9	GB				99	999	50	50	1
FAGA073	106.6	106.9	GB				0	0	0	0	1
FAGA073	112.5	114.3	M				0	0	C	0	1
FAGAC73	0.0	130.3	G				0	0	3C	0	1
FAGA073	129.6	130.7	8G				0	0	C	C	1
FAGA073	132.0	132.5	X				0	0	30	0	1
FAGA073	0.0	163.6	G				0	0	0	C	1
FAGAC73	160.6	164.2	B	5			0	0	0	0	1
FAGA073	172.5	173.7	BR				0	0	0	C	1
FAGA073	176.8	177.4	BR				0	0	0	C	1
FAGAC73	181.1	182.3	MNP				0	0	0	C	1
FAGA073	180.7	183.0	BR				0	0	0	C	1
FAGA073	0.0	192.6	G				0	0	99	999	1
FAGA073	189.9	194.6	B1G				0	0	0	0	1
FAGA073	199.9	200.9	BR				0	0	C	C	1
FAGAC73	201.7	202.3	GB				0	0	C	0	1
FAGA073	225.8	226.1	GF				99	999	0	0	1
FAGAC73	226.1	227.9	B	8			0	0	C	0	1
FAGAC73	0.0	229.8	G				0	0	99	999	1
FAGAC73	231.3	233.1	1BG				0	0	0	0	1
FAGA073	0.0	245.5	G				0	0	7C	180	1
FAGAC73	0.0	245.7	G				0	0	70	18C	1
FAGA073	252.9	252.9	G				0	0	99	999	1
FAGA073	0.0	275.3	G				0	0	0	0	1
FAGA073	280.9	281.3	B				0	0	C	C	1
FAGA073	282.3	282.7	B				0	0	0	0	1
FAGA073	293.6	293.7	G				0	0	C	0	1
FAGA073	293.7	293.8	B				0	0	C	0	1
FAGA073	296.0	299.3	1X				0	0	0	0	1
FAGA073	303.5	304.4	X				0	0	C	0	1
FAGAC73	304.4	304.9	GB				0	0	45	0	1
FAGA073	0.0	306.9	G				0	0	0	0	1
FAGA073	316.0	316.0	B1G				0	0	99	999	1
FAGAC73	317.9	320.9	GBP	7			99	999	99	999	1
FAGAC73	328.8	329.0	G				0	0	99	999	1
FAGA073	331.2	331.3	G				0	0	C	C	1
FAGAC73	328.5	331.3	GB	4			0	0	C	C	1
FAGA073	335.3	336.1	B				0	0	C	G	1
FAGA073	336.1	344.1	BP	6			0	0	C	C	1
FAGA073	344.2	352.0	F?				0	0	C	C	1
FAGA073	352.7	354.7	F?				C	0	0	C	1
FAGAC73	360.9	362.0	F?				0	0	C	0	1
FAGAC73	362.0	362.1	G				0	0	0	C	1
FAGA073	362.0	364.2	BP	6			0	0	0	C	1

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DOWN-HOLE SPLINES (DHO20)

PAGE: 10

DDH: FAGA073 UTM-N: 905,149.4 UTM-E: 592,364.9 UTM-ELEV: 1,302.2 TOTAL DEPTH: 364.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA073	1	2
FAGA073	2	2
FAGA073	3	2
FAGA073	4	2
FAGAC73	5	2
FAGA073	6	1

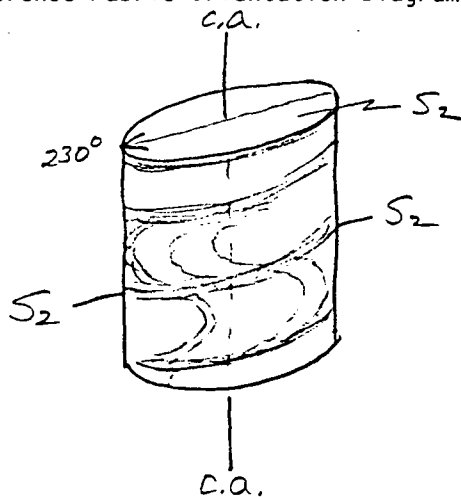
DIAMOND DRILL CORE LOG

Date: 10 July, 1981

Hole Number: FAG A073

Reference Fabric Orientation Diagram:

Project: Grum Re-log



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

Claim: \_\_\_\_\_

Terr. Plane Co-ords.: 6905149.4 N N

*1979 HED Survey*  
 \_\_\_\_\_ 592364.9 E E

Grid Co-ords: 75+88W

9+25N

All symmetry determinations looking

*1979 HED Survey*  
 Elevation: 1302.2 M

NW with S2 dipping

Total Depth: 1195 ft (364.24m)

SW with dip azimuth 230°.

Purpose: Definition drill - Grum Deposit

Reason hole Terminated: Thru Sulfides into Lost Core Zone

Logged by: DST

Date(s) Logged: June-July 1981

Drilling Contractor: Cameron McCutcheon

Size	CORE From	To	Collar Cased and Capped: <u>No</u>
<u>BQ</u>	<u>110</u>	<u>1195</u>	
_____	_____	_____	
_____	_____	_____	

Hole Cemented: Yes (12 bags 1195' up)

Steel down hole: No

Started: 7, May, 1975 Completed: 15, May, 1975



See 1983  
K-109

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

Cyprus Anvil Mining Corp.  
Lithologic Log

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Date: \_\_\_\_\_ Logged By: [Signature]

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		1100		1110						1	#	Coarctation
L		1110		1170						2	5A6	St-sec phyll, m. gray
L		1170		11100						3	4A0	St-graph-sec. phyll w/ sulfs 1.5-6" comb.
L		11100		11155						4	4A0	St-sec-phyll, alt <sup>d</sup> Hgy & buff
L		11155		11605						5	5C#H	Sluic & fault zone in bedded, buff st-sec. phyll zone & much fuchsite present, 2 segments PUS/ES
L		11605		11675						6	5E6	St-sec. phyll, lt → m. gray
L		11675		11900						7	5A6	→ 4A0; most of interval missing but 178.4 to 190.0 is 5A6; KA ⇒ mino- 4A0 180.0 to 190.2 but this is just approaching true 4A0 no assays completed
L		11900		11940						8	5A19	no visible PUS/ES, much py
L		11940		12015						9	5C#	chloritic; questionable whether this really is SC irregularly but so logged in conformity w/ existing log to 4A0
L		12015		12035						10	4LH	
L		12035		12075						11	4A0	
L		12075		12107						12	4LH	
L		12107		12120						13	5C3	cf. unit 9 only calcitic
L		12120		12479						14	4A0/4	MA0104 5C#4 buff, calcitic, much fuchsite, v. fissile in bed
L		12479		12530						15	5C5	0.5' (per KA log) thin st-chlor-sec phyll. i.e. SC
L		12530		12613						16	4E4	mass. PUS/ES with sulfides & minor pyrites sulfides
L		12613		12925						17	4A0/4	
L		12925		13205						18	4A0/4	→ 4A4 sec assays
L		13205		13302						19	5C#4	arkosite w/ minor fuchsite nodules (most preserved)
L		13302		13397						20	4A0/4	→ 4L4 from remnant gneiss bed core
L		13397		13404						21	5B26	
L		13404		13436						22	900	gouge (0.4') ≈ 11S <sub>2</sub> ?? (drilling artifact?) @ 343.6
L		13436		13499						23	5B26	gouge & broken core 343.6-347.5; one gouge zone @ 50' to core along 280° occurring 52' @ 230° (this would be an "internal" gouge zone at least)
L		13499		13968						24	5B6	gouge & broken core 349.9-350.9 (no attitud. possible)
L		13968		13999						25	5F6	→ 5B8; probable banded metatuffs assoc w/ 5C in field

KA log by F. Cohen  
11/10/83  
11/11/83  
11/12/83

See log from K-109  
249, 250, 251, 252

Lithologic Log

Date: \_\_\_\_\_ Logged By: DSJ

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	3979	41015		26	SC*	ankerite/dolomite
L	40915	4139		27	SF3	banded materials assoc'd w/ SC i.e. "SD band"
L	4139	4164		28	SD3	w/ sharp up-hole and gradual (2") down-hole contacts
L	4164	4237		29	SF3	SF ankerite
L	4237	4290		30	SD3	broken core & gauge 425.5-429.0'; gauge @ 427.7 ≈ 11 S <sub>2</sub> ?? (drilling artifact??); gauge same dip/dial as S <sub>2</sub> but steeper w/ 30° to ca. along 230° (assum. S <sub>2</sub> DLA = 230°)
L	4290	4333		31	SC*	ankerite
L	4333	4348		32	SF6/2	via linked by druse (?) @ 30° to ca. 230°
L	4348	4355		33	SC*	dolomite
L	4355	4361		34	SF6	
L	4361	4370		35	SD3	
L	4370	4405		36	SF3/2	
L	4405	4425		37	SF3	→ SF3
L	4425	4430		38	SD3	} all SD3??
L	4430	4460		39	SF3	
L	4460	4500		40	TAG3	→ SA6/3; patchily & widely calcareous
L	4500	4507		41	FE	
L	4507	4542		42	SC*	dolomite
L	4542	4635		43	SF6/3	→ SF6/3 usually calc.; can't tell whether SD or SF truly assoc. w/ SC
L	4635	4682		44	SC3	
L	4682	4695		45	SD3	
L	4695	4865		46	SA3	w/ minor SD3 & v. minor SC* det. interbedded
L	4865	5020		47	SA6	" " SD6 " " " " "
L	5020	5095		48	SF4	dolomite
L	5095	5612		49	SA3/6	broken core no gauge 507-530'; 512 → SA6
L	5612	6005		50	SF6	non-calcareous
L	6005	6195		51	SF6	→ SF6 Fe Mg CO <sub>3</sub> , not true FeO <sub>3</sub> ; minor SD*ankerite
L	6195	6384		52	SF6	non-calcareous; gauge ≈ 11 S <sub>2</sub> @ 632' (drilling artifact?)
L	6384	6650		53	SF3	→ SF3; not great SD, v. widely banded & more pelitic c.f. SF = SD field w/ SC
L	6650	7116		54	SF6/3	calcareous but characteristically calcareous in SF & 100% FeO

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Lithologic Log

Date: \_\_\_\_\_ Logged By: [Signature]

Core No.	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	7116		71148			55	5B31			
L	7148		74110			56	5B3G2	non-calc.; best part in EDV		
L	7410		7420			57	5B3G2	gouge w/ upper & lower contacts ≈ 115.?? (dulling artifact?); major fault zone		
L	7420		7480			58	4L04	both normal & base metal-bearing in interval over broken over interval w/ = 5' over in 6'		
L	7480		7754			59	5B6G0	w/ minor SBO; prominent 1/2" gouge @ 754 ≈ 115.??; numerous minor gouges & broken over intervals ≈ 115.?? 759-765'		
L	7754		7852			60	5E64			
L	7852		7963			61	4L01			
L	7963		7982			62	5B3H3	wholly & partially calc in 5%		
L	7982		8071			63	6E63	" " " " " " ; gouge @ 805' @ 70° along OSO of S <sub>2</sub> = 230 i.e. normal dip to S <sub>2</sub> ; same @ 806.3 for 1/2" gouge in calcareous in 5% 1401		
L	8071		8208			64	4L51			
L	8208		8797			65	4L6B3	wholly calcareous over entire interval; 5F3 or 5D3 likely protolith; minor, about 50% @ 828.7'; 1" gouge ≈ 115.?? (dulling artifact) 829.8-829.9'; pin 1/2" at EDV		
L	8797		8896			66	4L07	non-calc in 5%; 4L7 subcliniate		
L	8896		8995			67	5B6	→ 35; non-calc in 5%		
L	8995		9084			68	4L75	→ 420; wholly calc " " over interval 1" gouge of ≈ 115.?? character (dulling artifact?) @ 903.5'		
L	9084		9545			69	5B61	→ 35; v. minor calc patches (5%) over interval from 742' to this point also look most like HEMM despite overall calc character broken core 921.8-923 and 926.3-927.7		
L	9545		9635			70	4L05	→ 425; wholly calc in 5%		
L	9635		9713			71	5B63	wholly calc only, not good SBO; gouge ≈ 11 S.?? 963.5-963.7 w/ broken core to 964'		
L	9713		9812			72	4L0			
L	9812		9872			73	4L0			
L	9872		9886			74	4L3			
L	9886		9935			75	4G4*	calcrete w/ minor porous 4EL bands		

EDV  
HEMM

Lithologic Log

Date: \_\_\_\_\_ Logged By: [Signature]

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	9935	9950		76	4E4*	calcrete and porous } all split, no core pass. from core in present state
L	9950	9959		77	4L23	
L	9959	9990		78	4EG	
L	9990	10006		79	4L0	
						gauge and broken core; banded orange & fractured core ≈ 11S <sub>2</sub> , core has "fish scaled" appearance over interval; core internal gauge/fault surface ≈ 45° to core along 230° "steeper but same direction core
L	10006	10370		80	4L05	mainly calc.; 1" gauge @ 1007, no altitudes possible; broken core & incipient gauge ≈ 11S <sub>2</sub> 1036.8-1037.0
L	10370	10530		81	5B64	indivertly alt.; gauge and broken core 1043.2-1053 inclusive; gauge @ 1043.2 ≈ 11S <sub>2</sub> ?? (artifact), gauge @ 1053 indeterminate; heavy gauge between these bounding surfaces appears largely ≈ 11S <sub>2</sub> N.B. this is a major fault zone 7.5 ft core rec'd over 1043.2-1053.
L	10530	11030		82	5B62	→ 369; gauge ≈ 11S <sub>2</sub> ?? (artifact) 1079.0-1079.5'; gauge 1086.7-1087 indeterminate gauge & broken core 1078.0-1087.0 w/ 2" core rec'd over interval; broken core 1100.3 - 1103.0' no gauge core altitudes poss
L	11030	11394		83	5A61	entire interval shows broken core, w/ no gauge cores preserved; all footage marked lateral - can't pinpoint broken core zones ≈ 18' rec'd over 86' interval
L	11294	11550		84	3I	sequence of m. sh. to med. green and brown, thinly to laminae banded w/ siliceous non-calc metasediments to tuffaceous metasediments; not meta-basites/metaglac. - far too siliceous; unit termed 3I for lack of better term
						In this split of 11294-11550 Believe Fault
L	11550	11573		85	7A61	as unit 82
L	11573	11638		86	I	as unit 83
L	11638	11841		87	7A61	as units 82 & 84



Dowhole Distances approximate

1983 Notes

Cyprus Anvil Mining Corp.

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DDH F.A.G.A.0.7.3  
2 8

Lithologic Log

Date: 7/28/83 Logged By: GAI/LCP

FEET

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
33.8-35.5	L	11119	0	11116	5				01011	5B161	± 0	
36.7		11116	5	11210	5				01012	4D101	(4E1 microbx) (5D4*)	4D:40:20
42.7				11410	0				01013	4A101	± 4	
44.0				11445					01014	5B161	±	
48.8				11610	0				01015	5C141*	(5D4*)(4E44 microbx)	- 151 to 155 feet
57.9				11910	0					5B1612	→ 5A6 (especially 173-183)	± \$ (very minor) ±ankerite?!
											± 9 ± 7 (minor)	
58.2				11911						4C181	Chloritic, finely laminated PSZ foliated, red-bulk green, hard, gln-chlorite-magnetite-pyrite rock. Possible SD-exhalative sulfide combination	
61.1				121010	4					5C1\$1	(5D\$) \$ minor	undifferentiated 5C-5D
90.2				121916							No core	
97.8				131211						4A10	± 4 → 4C0 near 5D*	minor 5D* as several 10-20cm bands
											Note - much missing core	
100.0				131218						5D141*		
103.6				131410							Missing core	Sections of 4D3, 4D0, 5D4*
104.9				131414						101010	± *	

Code	From				To				Recov. No.				Unit	Description		
	10	14	16	20	22	24	26	28	30	34	35					
121.0		1314	14	1319	17									5B16	±2 T.O.F. to 350 ft core rubble & broken w/ 1000 intervals No sulfide gophyrolite Good microlithic texture ±2 component mainly above 365 ft Slight green tinge in lower half of unit Core intact below 350. 369-375 have mismatch	
133.2	L			1413	17									5B18	±0 (5D0 = 5C)	5C mainly below 430 5B8 previously logged as 5F6 @ 5F3 Generally green sections 425-430 core broken & rubble / micron gauge / not a significant fault
137.3				1415	10.5									5A10	±# → 5B62 (5D)	Mixed zone with main green being 5D
143.3				1417	10									5C1	(5D) Interbedded 5CD	
155.3				1510	19.5									5B12	±# minor → 5A6 (5C) (5D = 8) (5B) : (5C) = 70:30 Good lithons in 5B/5A	
170.7				1516	00									5B12	±0 → 5A in sections 5-10 cm thick Fairly hard locally has pyrite stringers Grades locally to 536219 however contact gradational over 1-2 rows and perhaps interbedded	527-540 broken / no 60% ream indet.
183.0				1610	05									5B16	±# minor ±# very minor Good lithons structure - well-laminated with qtz carbonate siltstone bands	

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

505-570 broken & rubble / No gauge  
580-582 broken & rubble / no gauge  
593-600.5 broken & rubble  
594-598 mismatch

## Lithologic Log

Date: 7/23/83 Logged By: GA/LCP

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
188.7					161	190					15B161	± $\phi$ (5D $\phi$ ) 65:35 Good lithium structure / finely laminated
194.6					163	185					15B161	± $\phi$ very minor As above - Not as well developed lithium structure 623 - 638.5 core broken w/ local gouge & rubble gouge indet. - mainly @ 632 ft
203.0					161	166					15D1 $\phi$	±0 (5B6 $\phi$ ±0 minor) Interbeds of 5B in 5D T.O.I → 656 Core OK 656 → 659 Core broken & rubble 662 → 664 Rubble & minor gouge (indet.)
216.7	L				171	111					15B161	[3G0] With locally well developed gte siltstone laminae & lithons No dolomite noted
217.9					171	15					15D131	[5D0]
225.9					171	41					15B161	±2 minor locally developed gte ss. lithons
226.5					171	43					15B1612	Gouge Dark grey gouge - Possible major fault
228.0					171	48					17L124	Transitional to 3G46 Broken w/ minor indet. gouge
236.2					171	75					13G01	Moderately broken
239.3					171	85					13G41	Very weakly stringered Slightly bleached however contact transitional to 41

last 1/2 has green tinge because losing carbon grey  
Unit similar to 3G stringered - but no chlorine in stringers

Lithologic Log

Date: 7/29/83 Logged By: GA/KCP

Code	From			To			Recov.			No.			Unit			Description
	1	10	14	16	20	22	24	26	28	30	34	35				
242.6				1719	16								41210	±1 ±2 ±7	Pyrite & po as stringers - minor chlorite associated with stringers. Creamy green tinge to S <sub>2</sub> folia. Looks to be derived from adjacent rock units.	
246.0	6			1810	17								131610		Small indet gouge @ 305-307 - steepen than S <sub>2</sub> 30-45° minor fault. Good green, noncalcaneous phyllite.	
250.2				1812	11								1414	→ 3648 or vice versa ± ± ≠	locally has chlorite dark to pale green stringing. Stringers of py. Only locally white to cream. Core intact.	
268.2				1818	10								31614B		Stringered 3G which is overall pale to medium green. Good po stringers. Small intervals of 3B3 - biotite/calcaneous after 5D. However part of interval has biotite selvages to po stringers. Unit intact.	
271.3				1819	10								4140		Gradational upper & lower contacts. Overall greenish cream color with light green/cream S <sub>2</sub> folia. Still clearly has stringer texture. Not as much po in stringers.	
274.2				1913	12								131614B		Non calcaneous. Distinctly green/grey cov S <sub>2</sub> folia. No stringers. Tabular. Attuned 3G.	

## Lithologic Log

Date: 7/28/83 Logged By: GAJ/LCP

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
277.1				191019						1416176	→ 3648	Pale green to cream color. Center of interval transitional to 3648. Contains po stringers. No fizz w/ 30% HCl. Core intact.
284.4				191313						131619	(only weakly stringed) = 8	Locally developed fibrous. Weak green tinge where not carbonaceous. Minor qtz-chlorite po stringers. Moderately developed fibrous structure. Lower contact very gradational. At 920-921 & 926-927 core broken.
292.8	L			191514						13161418	weakly stringed [426]	Core light medium greenish grey. Distinct grey tinge to S <sub>2</sub> folia. Locally developed fibrous.
293.5	L			191613						1414102		Pale cream color. Minor pyrite stringers. Gradational to 364 locally - i.e. some grey remains.
296.0	L			191711						131601		Moderate to weak fibrous structure w/ qtz ss laminae. No sulfide gophyoblasts.
299.3	L			191812						1414101	= 2	light grey to cream texture. Transitional to 364 in middle of unit. Minor fault breccia for 10-30cm interval. Definitely slightly broken than enclosing 364 flagstones.
304.5				191919								No core.

Lithologic Log

Date: 7/28/83 Logged By: GAS/KCP

Code	From			To			Recov.			No.			Unit			Description
	1	10	14	16	20	22	24	26	28	30	34	35				
316.1				11013	17							41402				Pale greenish cream, muscovite-rich rock. locally transitional to 36- gneiss Stringers of Qtz-pyrite Top 3 ft rubble w/ gneiss.
321.0				11015	13							31601				→ 364 Driveway @ 1040 looks ultracarbonate - fissured w/ pinic f grey 1043 → 1053 gneiss - indeterminate/rubble/broken 1047 → 1050 is either 5D or 4h in gneiss core
336.2	L			11101	3							31601			±9	Core heavily broken w/ indeterminate gneiss - Especially 1073-1087
345.3	L			11113	3							31619			(3D)	Brown biotitic & green actinolitic (?), hard rock locally laminated. looks similar to 369T Top of interval looks like mylonite. Sections of interval best described as coherent fault breccia locally indeterminate rubble & gneiss all through unit look to put fault through here Comparable to make believe fault (GAS)
352.0				11151	5							3161			(5C)	Complex of green metabasite with calc- silicate alteration halo. No background pyllite present in this interval. C.S. is bleached white with purplish biotite &/or green calc-sil hues. Metabasite is equigranular dark green All rocks are hard

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
354.8				11/16/4							15C1D	(3D X 369) Medium to dark green, tan-weathering chloritic phyllite. Possibly with ank lenses & blebs along foliation. Surrounded by alteration halo of 3D - Calc-sil is greenish white w/ purplish tint from biotite. Not typical 3D - coarser & more granular. Minor 369 away from 3D & 5CD Core locally broken w/ rubble.
360.9				11/18/4							131G9/1	±6 Good light & dark grey striping & laminations parallel to PSz
361.8				11/18/7							15C1F	[3C#] Fuchsite-bearing
364.2				11/19/5							131G01	(1020) Core very broken w/ gouge for top 1 foot  EOH

DDH FAGAO73  
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Cyprus Anvil Mining Corp.

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Structural Log

Date: \_\_\_\_\_ Logged By: [Signature]

Code	From				To				Feature	E N	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				1110	CS,2										60	230	U.S. core & 111.0-151.0
S				11310	CS,2										55	2310	taken from KA log as
S				11510	CS,2										35	2310	core missing
S				11769	CS,2										610	2310	
S				11990	CS,2										75	2310	
S				121170	CS,2										60	2310	
S				12365	CS,2										65	2310	
S				12660	CS,2										75	2310	from KA log
S				12985	CS,2										60	2310	
S				13210	CS,2										80	2310	
S				13445	CS,2										40	2310	
S				13687	CS,2										65	2310	
S				13857	CS,2										80	2310	
S				14060	CS,2										75	2310	
S				14240	CS,2										80	2310	
S				14477	CS,2										75	2310	
S				14670	CS,2										70	2310	
S				14875	CS,2										85	2310	
S				15110	CS,2										70	2310	
S				15265	CS,2										75	2310	
S				15470	CS,2										72	2310	
S				15690	CS,2										78	2310	
S				15890	CS,2										70	2310	
S				16130	CS,2										75	2310	
S				16320	CS,2										60	2310	
S				16480	CS,2										70	2310	
S				16780	PS,2										60	2310	
S				16990	PS,2										70	2310	
S				17173	PS,2										70	2310	
S				17372	PS,2										64	2310	
S				17560	PS,2										70	2310	
S				17740	CS,2										85	2310	
S				17940	CS,2										78	2310	
S				18150	CS,2										82	2310	
S				18357	PS,2										73	2310	
S				1855	CS,2										70	2310	



ASSAY LOG (SAMPLER'S COPY)

CODE	FROM				TO				SAMPLE				INTR.				REC (m)				UNIT				DESCRIPTION		
	1	10	14	16	20	22	26	28	30	32	34	36	40	42	1	10	14	16	20	22	26	28	30	32		34	36
P		11170			11203				91010512	133	15	4A101							Dogshit!	1552							
P		11203			11260				91010513	57	32	4A101								1553							
P		11260			11290				910105A	130	120	4A101							From KA log	1554							
P		11290			11350				91010515	160	123	4A101								1555							
P		11350			11400				91010516	150	126	4A101								1556							
P		11510			11540				91010517	130	26	4E4?							? From KA log	1557							
P		12015			12065				72010	150	149	4A101							→ 424								
P		12065			12107				73011	142	145	4A101															
P		12120			12180				73012	160	159	4A101															
P		12180			12240				73013	160	160	4A101															
P		12240			12300				73014	160	160	4A101															
P		12300			12360				73015	160	159	4A101															
P		12360			12420				73016	160	159	4A101															
P		12420			12479				73017	159	161	4A101							503								
P		12479			12539				91010518	160	57	4E4?							From KA log	1565							
P		12539			12612				910105A	170	187	4E4?							" " "	1566							
P		12612			12679				91010610	150	50	4D4							" " "	1567							
P		12679			12779				91010611	100	100	4D4							" " "	1568							
P		12779			12823				91010612	144	164	4D4							" " "	1569							
P		12823			12873				91010613	158	156	4D4							" " "	1570							
P		12918			12970				91010614	152	138	4A101							" " "	1571							
P		12970			13030				91010615	160	158	4A101							" " "	1572							
P		13030			13090				91010616	160	158	4A101							" " "	1573							
P		13090			131125				91010617	135	124	4A101							" " "	1574							
P		131125			131195				91010618	170	128	4A101							" " "	1575							
P		131235			13265				910106A	130	113	5C*4							" " "	1576							
P		13283			13310				241010710	119	119	5C*4							" " "	1577							
P		13310			13397				91010711	175	175	4D4							" " "	1578							
P		14812			14886				73018	174	174	4A101															
P		14886			14935				73019	149	148	4G4*															
P		14935			14990				73110	155	144	4ELC1															

FEET

FAULT

DDH FAGAOZ3  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

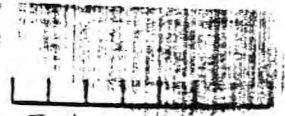
Date: 27 Oct 83 Logged By: \_\_\_\_\_

Code	From		To		Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.		S <sub>2</sub> Dip Direct.		Description
	10	14 16	20	22 24 26 28			32 34	38 40	44		
F	11110	11784	MMN								lost core
F	11455	11605	SIF								shear & fault zone
F	124184	13397	NININ								Core missing or jumbled
F	134136	13475	GBI	9.9	9.9	9.9	50	0	15	0	gauge & broken core
F	134199	13509	GBI								gauge & broken core TWO
F	142155	14290	BG								broken core & gauge
F		14277	G				30	0	10	0	
F	143133	14348	XI				30	0	10	0	box healed by diorite?
F	152170	153190	B	5							broken core 50% recovery
F		153170	G								gauge
F		16320	G				9.9	9.9	9.9		gauge 11S <sub>2</sub> - drilling artifact?
F	166120	166140	GBI								gauge & broken core
F	174110	17420	GF	9.9	9.9	9.9			9.9	9.9	gauge, major fault zone
F	174120	17480	B	8							upper & lower contact 11S <sub>2</sub>
F		17540	G				9.9	9.9	9.9		broken core 83% recovery
F	175190	17650	1B/G								minor gauge & broken core intervals
F		181056	G				7.0	1.8	0		gauge
F		181063	G				7.0	1.8	0		gauge
F	182198	182199	G				9.9	9.9	9.9		gauge 11S <sub>2</sub> ??
F		19035	G								1" gauge
F	192118	19230	B								broken core
F	192163	19277	B								broken core
F	196135	196137	G								gauge
F	196137	196140	B								broken core
F	199159	199190	XI								box
F	199190	1101006	GBI				4.5	0	10	0	gauge & broken core
F		1101070	G								TWO gauge
F	1101368	1101370	B1/G				9.9	9.9	9.9		broken core & incip gauge
F	1101432	110530	GBIP	7	9.9	9.9	9.9	9.9	9.9		gauge & broken core
											75% recovery
F	1101790	110795	G				9.9	9.9	9.9		major fault zone
											gauge 11S <sub>2</sub>



GEOTECHNICAL LOG

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	3		117.0				OVER BURDEN	THESE BOXES WERE SPILLED NO RQD MEASURED.
5	2		117.0				SBG	
0	0	ORE	117.0		SIZE OF CORE			
			154.0		IBQ			
0	0		154.0				SC4*	All are good - no delay possible
5	2						SBG-	
10	3		162.0					



# GEOTECHNICAL LOG

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	0	feet	171.5	COMPLETE	48%	5"	SCX	Engineers / Chew
5	0	metres	201.5					
0	0				SIZE OF CORE			
		ORE			BQ			
0	0		339.7					
						5B26		
						QZ VEN		THIS CORE SPILT - NO RQD DONE
						5B26		
10	3		349.7					

FOOTWALL

HANGINGWALL



feet

metres

GRAPHIC LOG

feet

metres

ORE

SIZE OF CORE

BQ


5B26

QZ VEN

5B26

THIS CORE SPILT - NO RQD DONE

GEOTECHNICAL LOG

HANGINGWALL		GRAPHIC LOG	INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
10	5	feet	971.2	Moderately Competant	30%	4"	4L0	Engineers R 
0	0	metres	951.2		SIZE OF CORE 3Q			
FOOTWALL		ORE	999.0	Gouge RATSHIT Moderately Competant	25%	2"	4L05	
10	3		1009.0					






# DIAMOND DRILL RECORD

LOGGED BY F. Chow

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH Proposed: \_\_\_\_\_ Ultimate: \_\_\_\_\_

D.D.H. No. 75-A73 PAGE 3 of 16

CLAIM No. \_\_\_\_\_  
  
 DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet			
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
191.0	200.4	QUARTZ - CHLORITE - SERICITE PHYLLITE 20-40% quartz-feldspar, 40-50% chlorite, no sulphides except @ 197.3-197.9'. Where a "pocket" of rich sulphides (25% pyrite, 3% lead-zinc, sparse pyrrhotite appears to be injected with quartz porphyry.) Rich chlorite bands occur as irregular bands and irregular widths Rock massive but soft. Core Angles: 55° @ 191-194', 70° @ 195', 75° @ 197, 50° @ 200'.	9.4/9.4		191.0	200.4										
200.4	209.3	QUARTZ - SULPHIDES WITH SERICITE - GRAPHITE 70-75% quartz-feldspar, 1-10% pyrite (av. 3%), 7-8% lead-zinc, 2% magnetite @ 200.4-202'. Bleached buff sericite except slightly (1-3%) graphitic section @ 202.5-206.2'. Banded. F1 locally prominent in graphite section. Numerous tension gashes in non-graphitic section, latter also more quartz.	8.3	1558	200.4	209.3	8.9	2.48	4.56	1.09						
209.3	212.0	QUARTZ - SERICITE - CHLORITE PHYLLITE 35-40% quartz-feldspar, 20% chlorite, no sulphides. Thinly banded, soft, moderate shearing @ 209.7'. Locally carbonate rich. Core Angles: 60-65° @ 201-212'.	2.2/2.7		209.3	212.0										
212.0	246.8	QUARTZ - GRAPHITE - SERICITE PHYLLITE WITH SULPHIDES 60% quartz-feldspar, 10% sericite, 4-10% pyrite, 6-8% lead-zinc except 3% @ 241.4-246.8'. Quartz and hard though parts readily along F2 foliation. F1 prominent. F1 and F2 mineralization.	5.4/7.1	1559/1560	212.0	217.4/224.5	5.4/7.1	1.95/3.08	3.84/5.04	0.88/1.32				10.53/21.869	20.736/25.784	4.752/9.372

# DIAMOND DRILL RECORD

LOGGED BY F. Chow

PROPERTY \_\_\_\_\_

D.D.H. No. 75-A73

PAGE 4 of 16

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

CLAIM No. \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

DIRECTION AND DISTANCE FROM \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

Proposed:  
DEPTH Ultimate: \_\_\_\_\_

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		Sulphides usually disseminated in quartzose F1 and F2 bands, though F2 mineralization often show massive sulphide bands. A few tight slips with minor off-sets. Minor shearing from 232-238'. 241.4-246.8' heavily sheared and contorted. Rock moderately firm except @ 241.4-242.7'.	4.6	1561	229.5	229.1	4.6	2.38	3.72	1.12			16.95	17.11	5.15
			7.7	1562		236.8	7.7	2.29	4.86	1.12			17.63	37.42	8.62
			4.8	1563		241.8	5.0	2.50	6.01	1.18			12.50	30.05	5.90
		Core Angles: 55° @ 212', 50° @ 214-218', 55° @ 219', 70° @ 222', 75° @ 223', 60° @ 226-232', 50-55° @ 233-236', 45° @ 237', 75° @ 238.5', 55° @ 240', 45° @ 243', 50° @ 247'.	5.2	1564		247.0	5.2	1.00	1.92	0.53					
				WT. Au.	212.0	241.8	24.8	2.47	4.73	1.13	(28.8% Ag)	73.973	141.102	33.796	
246.8	253.0	QUARTZ - CHLORITE - SERICITE PHYLLITE Mainly chloritic phyllite, 25-30% chlorite, soft. Two 0.8' bands sericitic and siliceous phyllite which contain 15% pyrite with 1% lead-zinc. Chloritic phyllite - no sulphides. Upper contact parallel foliation with rich fuschite in first 0.5'. Lower contact @ 45°, sheared and talcy. Core Angle: 40° @ 248', 40-45° to 252'.	5.7	1565	247.0	253.0	6.0	0.35	0.42	0.09					
253.0	261.3	MASSIVE SULPHIDES Massive fine-grained sulphides, mainly rich in lead-zinc. One 0.2' and one 0.7' section of bleached talcy quartz-sericite band with minor lead-zinc. Zone about 5% leached (bands), minor porous sulphides. 55% pyrite, 25-30% lead-zinc. Core Angles: 60° @ 254', 75° @ 257', 40° @ 259', 45° @ 262',	8.7	1566	253.0	262.0	9.0	8.86	14.93	3.74			79.74	154.37	33.66

# DIAMOND DRILL RECORD

LOGGED BY F. Chow

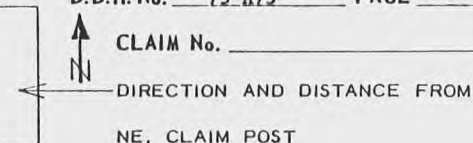
PROPERTY \_\_\_\_\_

D.D.H. No. 75-A73 PAGE 5 of 16

LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH Ultimate: \_\_\_\_\_



FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
261.3	292.5	QUARTZ - SERICITE PHYLITE WITH SULPHIDES (Siliceous)	5.0	1567	262.0	267.0	5.0	4.2	5.28	1.71			21.00	26.40	8.55
		Bleached buff. 70-80% quartz-feldspar, 1-5% sericite, 7% pyrite	10	1568	267.0	277.0	10	3.45	7.32	1.47			34.50	73.20	14.70
		7-8% lead-zinc. Sulphides occur as thin bands mainly wispy-looking because of F1 folds. F1 and F2 mineralization. F1 prominent, large elongated "S" folds occupying entire core or extending beyond core size. F2 often contorted.	6.4	1569		283.4	6.4	4.13	7.30	1.62			26.43	46.72	10.37
		289.2-291.8' -- barren, bleached buff highly sericitic phyllite	5.6	1570		289.2	5.8	1.95	5.76	0.74					
		Core Angles: 55° @ 252.5', 75° @ 266', 70° @ 267', 60° @ 270-280', F1 parallel core @ 281-284', 60° @ 286', 40° @ 289', 70° @ 292'. Rock is moderately competent.													
					WT. AV.	262.0	283.4	21.4	3.83	6.84	1.57	(53.9)			
					WT. AV.	253.0	289.2	36.2	4.78	8.68	1.98	(67.8)	81.93	141.32	33.12
					WT. AV.	253.0	277.0	24.0	5.64	9.75	2.37	(81.3)	172.112	314.098	71.57
													135.34	233.97	56.91
292.5	320.5	QUARTZ - SERICITE ± GRAPHITE PHYLITE WITH SULPHIDES (Quartz and siliceous)	2.1/												
		30-70% quartz-feldspar, 0-5% graphite, 5-6% pyrite except 7-55% pyrite between 303-309', 5-5.5% lead-zinc except 14% lead-zinc between 303-309'. F1 local, also mineralized, prominent to 305'. Fractured with shearing @ 309-320.5'.	2.6		289.2	291.8									
			3.8	1571		297.0	5.2	2.15	4.86	0.94			11.18	25.27	4.688
			5.8	1572		303.0	6.0	2.08	3.48	0.82			12.48	20.86	4.92
		Core Angles: 55° @ 295', 45° @ 300', 50-40° @ 306-309'. Shearing @ 309' @ 45° to core or 90° to F2. 55° @ 311', 75° @ 319'.	5.8	1573		309.0	6.0	5.93	12.58	2.65			35.58	75.48	15.10
			2.4	1574		312.5	3.5	2.78	5.16	1.29			9.23	18.06	4.505
			2.8	1575		319.5	7.0	2.93	7.68	1.35			20.51	53.76	9.45
			0.5/1.0			320.5									
					WT. AV.	303.0	319.5	16.5	3.99	8.93	1.81	(62.1)	65.82	147.30	29.825
					WT. AV.	291.8	303.0	11.2	2.11	4.12	.88	(30.0)			
													123.110	146.15	31.11























# DDH: FAGA073 -- 42 DEGREE PROFILE

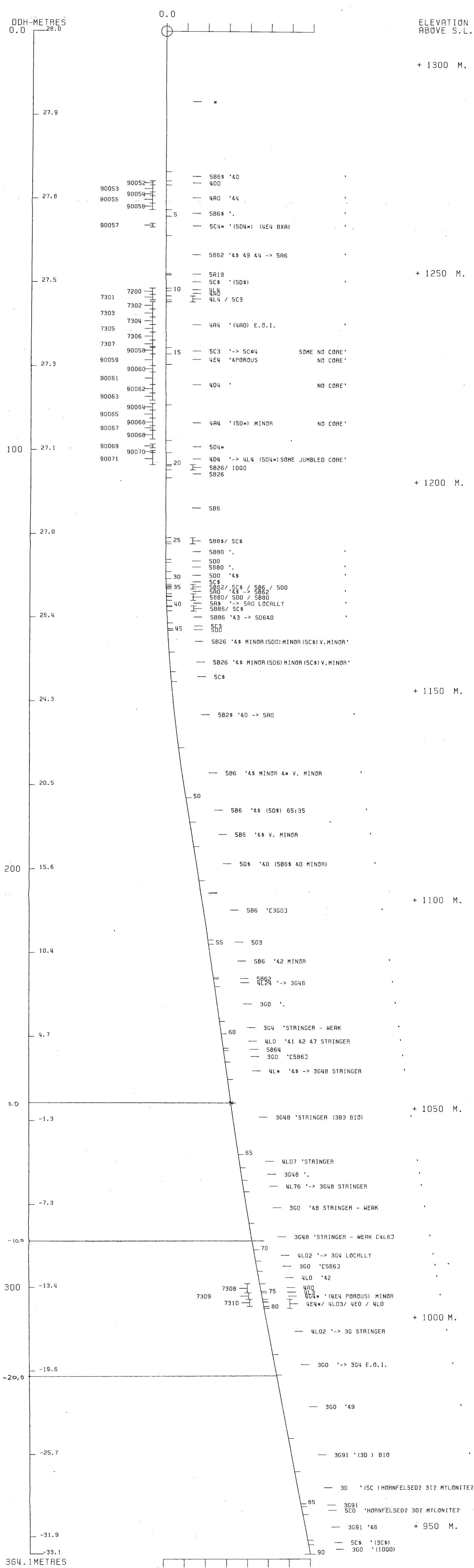
( VIEW AZIMUTH = 312 DEGREES )

ELEV:1302 592365E ; 905149N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 655.9 Z = 1307.6

SECTION NAME: 75W



# DDH: FAGA073 -- 42 DEGREE PROFILE

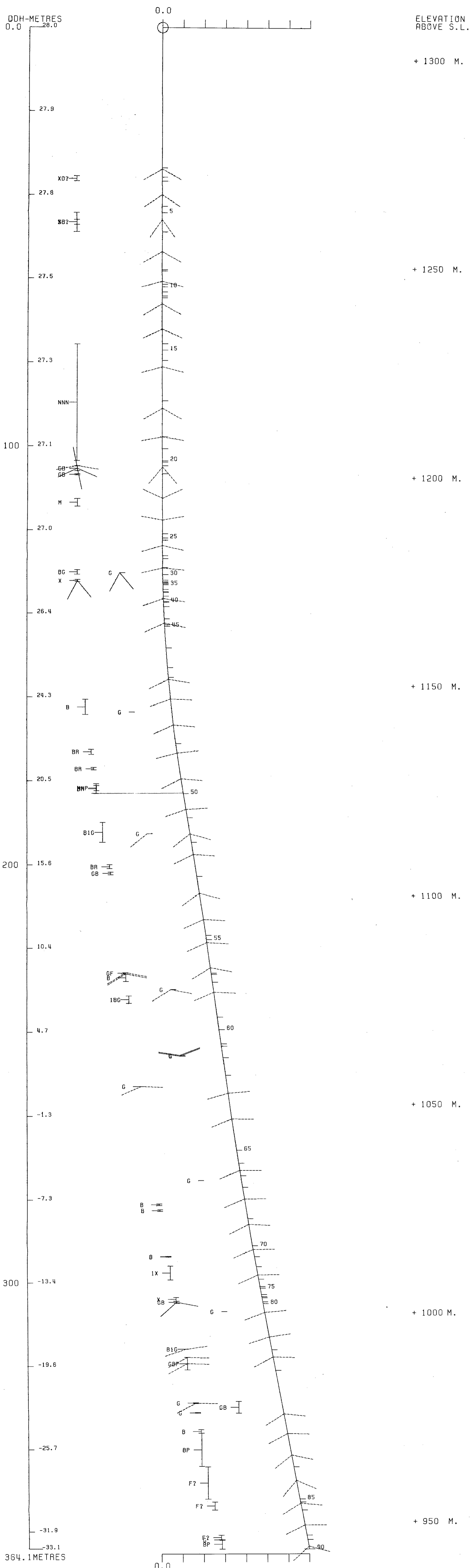
( VIEW AZIMUTH = 312 DEGREES )

ELEV:1302 592365E ; 905149N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 655.9 Z = 1307.6

SECTION NAME: 75W



FAGA239

DRILL HOLE : FAGA239  
NORTHING : 905,193.4  
EASTING : 592,405.4  
ELEVATION : 1,299.7  
TOTAL DEPTH : 109.1  
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: 5  
NOS DOWN-H-SURVEYS: 3  
NOS DOWN-H-LITHOLOGY: 21  
NOS DOWN-H-STRUCTURE: 10  
NOS DOWN-H-FAULTS: 8  
NOS DOWN-H-SPLINES: 3  
NOS COMPOSITES: 0

21NOV83 GRUM

CRE SAMPLES & ASSAYS (DHO20)

PAGE: 2

DDH: FAGA239 UTM-N: 905,193.4 UTM-E: 592,405.4 UTM-ELEV: 1,299.7 TOTAL DEPTH: 109.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---				ASSAYS																	
FROM	TO	SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
53.9	57.9	12842	4.0	2.7	4A4	2.95	.02	1.53	4.82	28.99	.27	1	1	2							
57.9	59.3	12843	1.4	1.3	4A4	3.04	.02	3.08	6.70	61.99	.27	3	1	4							
59.3	62.8	12844	3.5	2.4	4E4	4.26	.14	8.19	12.59	153.00	1.43	17	3	21							
62.8	64.0	12845	1.2	1.2	4A0	3.10	.02	.66	2.60	12.00	.20	2	5	8							
64.0	68.6	12846	4.6	1.9	4A4	3.10	.02	1.17	3.87	22.00	.40	2	3	5							
WEIGHTED AVERAGE																					
53.9	68.6		14.7	9.5		3.33	.05	3.08	6.37	58.08	.58	5	2	3							

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 3

DDH: FAGA239 UTM-N: 905,193.4 UTM-E: 592,405.4 UTM-ELEV: 1,299.7 TOTAL DEPTH: 109.1 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
55.800	174.300	112.000
101.500	171.300	112.000

21NOV83 GRUM

## DOWN-HOLE LITHOLOGY (DM020)

PAGE: 4

DDH: FAGA239 UTM-N: 905,193.4 UTM-E: 592,405.4 UTM-ELEV: 1,299.7 TOTAL DEPTH: 109.1 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
43.3	0001	#		0.5-	1
48.8	0002	#	CASING	0.5-	1
49.4	0003	3G9		0.5-	1
51.1	0004	5D*	(3G9) 95:05	0.5-	1
53.9	0005	3G9	86	0.5-	1
59.3	0006	4A4		0.5-	1
59.8	0007	4E4	8* POROUS	0.5-	1
60.2	0008	5D4*	(4E4)	0.5-	1
62.0	0009	4E4	POROUS	0.5-	1
62.8	0010	5D4*	(4E4[4J0])	0.5-	1
66.6	0011	4AC	84 (5D4*) 80:20	0.5-	1
73.5	0012	5A*	(5B2*) GOUGE	0.5-	1
76.5	0013	5A\$	(5B62 8\$)	0.5-	1
79.1	0014	3G4*	6 (5D4*) 90:10	0.5-	1
81.5	0015	5D4\$	(3G9\$) (10Q\$) 95:05:TRACE	0.5-	1
82.8	0016	3G9\$	[5B6\$] "MARKER"	0.5-	1
88.9	0017	5DC	8\$	0.5-	1
90.1	0018	5A19	(5D6 80) 65:35	0.5-	1
95.3	0019	5DC	(5C3) 70:30	0.5-	1
99.4	0020	5B20	(5D0) (5B280) 58:50 85:15	0.5-	1
109.1	0021	5DC	(5C3) 50:50	0.5-	1

21NOV83 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 5

DDH: FAGA239 UTM-N: 905,193.4 UTM-E: 592,405.4 UTM-ELEV: 1,299.7 TOTAL DEPTH: 109.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DMDC	SDC	PROCESS
FAGA239	0.0	52.2	CS2		0	0	0	0	70	230	C		1	1	1
FAGA239	0.0	59.4	CS2	D	0	0	0	0	60	230	0		1	1	1
FAGA239	0.0	63.7	PS2	P	0	0	0	0	52	230	C		1	1	1
FAGA239	0.0	75.5	PS2	P	0	0	0	0	70	230	C		1	1	1
FAGA239	0.0	83.2	PS1		0	0	0	0	55	230	0		1	1	1
FAGA239	0.0	90.5	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA239	0.0	94.1	CS2	D	0	0	0	0	70	230	C		1	1	1
FAGA239	0.0	98.7	CS2	D	0	0	0	0	62	230	C		1	1	1
FAGA239	0.0	104.9	CS2		0	0	0	0	65	230	C		1	1	1
FAGA239	0.0	109.0	CS2	D	0	0	0	0	70	230	C		1	1	1

21NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 6

DOH: FAGA239 UTM-N: 905,193.4 UTM-E: 592,405.4 UTM-ELEV: 1,299.7 TOTAL DEPTH: 109.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DOH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGA239	62.8	68.6	B				0	0	0	0	1		
FAGA239	64.2	68.5	G				0	0	0	0	1		
FAGA239	68.6	73.5	GP	5			0	0	0	0	1		
FAGA239	73.5	76.5	B				0	0	0	0	1		
FAGA239	0.0	76.8	G				0	0	99	999	0	1	
FAGA239	83.2	83.9	G				1	0	10	0	0	1	
FAGA239	102.1	102.4	G				99	999	0	0	99	999	1
FAGA239	106.4	107.0	G				99	999	0	0	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 7

DDH: FAGA239 UTM-N: 905,193.4 UTM-E: 592,405.4 UTM-ELEV: 1,299.7 TOTAL DEPTH: 109.1 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA239	1	2
FAGA239	2	2
FAGA239	3	1

DIAMOND DRILL CORE LOG

Date: \_\_\_\_\_

Hole Number: FABA 239

Reference Fabric Orientation Diagram:

Project: Grum

Location: Vangorda Plateau 105K-3/4

Claim: Rich (who cares)

Terr. Plane Co-ords.: 6905193.379 N

592405.636 E

Grid Co-ords: L76W

11N

Elevation: 1299.688

Total Depth: 109.1 m

Purpose: Explore SE Extension of GNOMES CAP

Reason hole Terminated: CAP BOMBED

Logged by: GAJ/DST

Date(s) Logged: 22 July 82

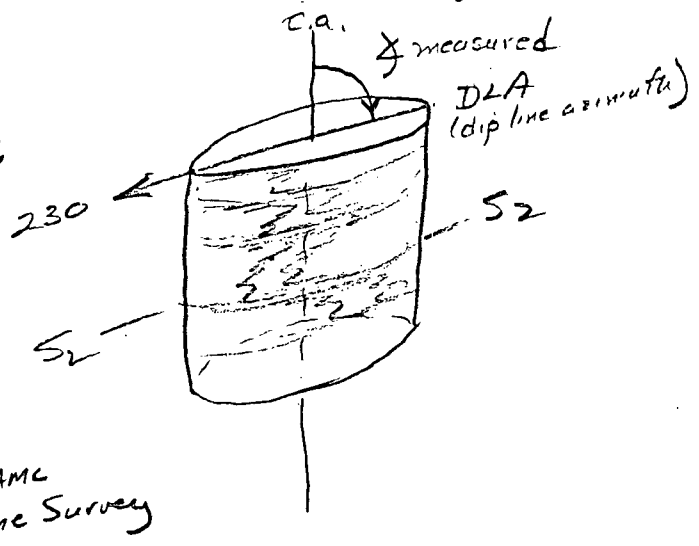
Drilling Contractor: Arctic

Size	CORE From	To	Collar Cased and Capped: casing
NW	0	48.8	No
NQ	48.8	109.1	

Hole Cemented: No

Steel down hole: No

Started: 19 July Completed: 21 July



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230



DDH F.A.G.A.239  
 2 meters 8

Cyprus Anvil Mining Corp.

Page 3 of 6

Lithologic Log

Date: 23 July 84 Logged By: DST/GAS

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L		00		433			1	*			
L		433		488			2	*			casing - no recovery
L		488		494			3	3G9			
L		494		511			4	SD*			(3G9) 95:5
L		511		539			5	3G9			±6 minor sphal gal and py. generally S <sub>1</sub> and S <sub>2</sub> foliaform from 51.6 - 53.2, not 4A but mineralized phyllite, unit gte co <sub>2</sub> hairlined vernal (000)
L		539		593			6	4A4			medium dark grey generally pervasively silicified with weak development of banding    S <sub>1</sub> - not good 4A exhalative but equivocal, non pyritic, 6% PbZn
L		593		598			7	4E4			±* porous 25-30% PbZn
L		598		602			8	SD4*			(4E4) 8-9% PbZn
L		602		620			9	4E4			porous non carbonate bearing, non baritic 20-25% Pb+Zn
L		620		628			10	SD4*			(4E4[4J0]) 8-10% Pb+Zn
L		628		686			11	4AP			(SD4*) 80:20 interval broken through incipiently gorged - IND. non pyritic, 3-4% PbZn
L		686		735			12	SA*			(SB2*) gauge 11 - for Fault - upper lower contacts IND internal fabric confusing some steep some shallow    S <sub>2</sub> zone of core loss, 2 > m rec-ved over interval
L		735		765			13	SA*			(SBG2±*) * = dolo broken, not gorged
L		765		791			14	3G4*			6 ank(SD4*) 90:10 unit medium grey weakly carbonated 3G - minor Zn S    S <sub>2</sub> S <sub>2</sub>    gauge 2cm @ 76.8
L		791		815			15	SD4*			(3G9*) dolo. 95:5 (00*)
L		815		828			16	3G9*			dolo. [SBG*] "marker"
L		828		889			17	SD0			±* dolo. gauge from 83.2 - 83.9 upper steep fault    core axis to 83.7 thin







Meters

239?

FAULT

DDH F.A.G.A.15.5  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: 27 Oct/82 Logged By: \_\_\_\_\_

Core Code	From		To		Feature	E of	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
							Dip	Direct.	Dip	Direct.	Dip	Direct.		
I	10	14	16	20	22	24	26	28	32	34	38	40	44	
F	1612	2	1618	6	B1									broken throughout
F	1614	2	1618	6	G									INO gauge
F	1686		1735		GA 5									INO gauge 55% recovery Major fault.
F	1735	5	1716	5	B1									broken - not gauged
F			1716	8	G			919	91919					S <sub>2</sub> 11 gauge
	1813	2	1813	9	G		91	01010	110	01010				Step fault
F	11012	1	11012	4	G		919	9199			919	91919		gauge
F	11016	4	11017	0	G		919	91919						lower contact INO slices down dip on upper contact

# DDH: FAGA239 -- 42 DEGREE PROFILE

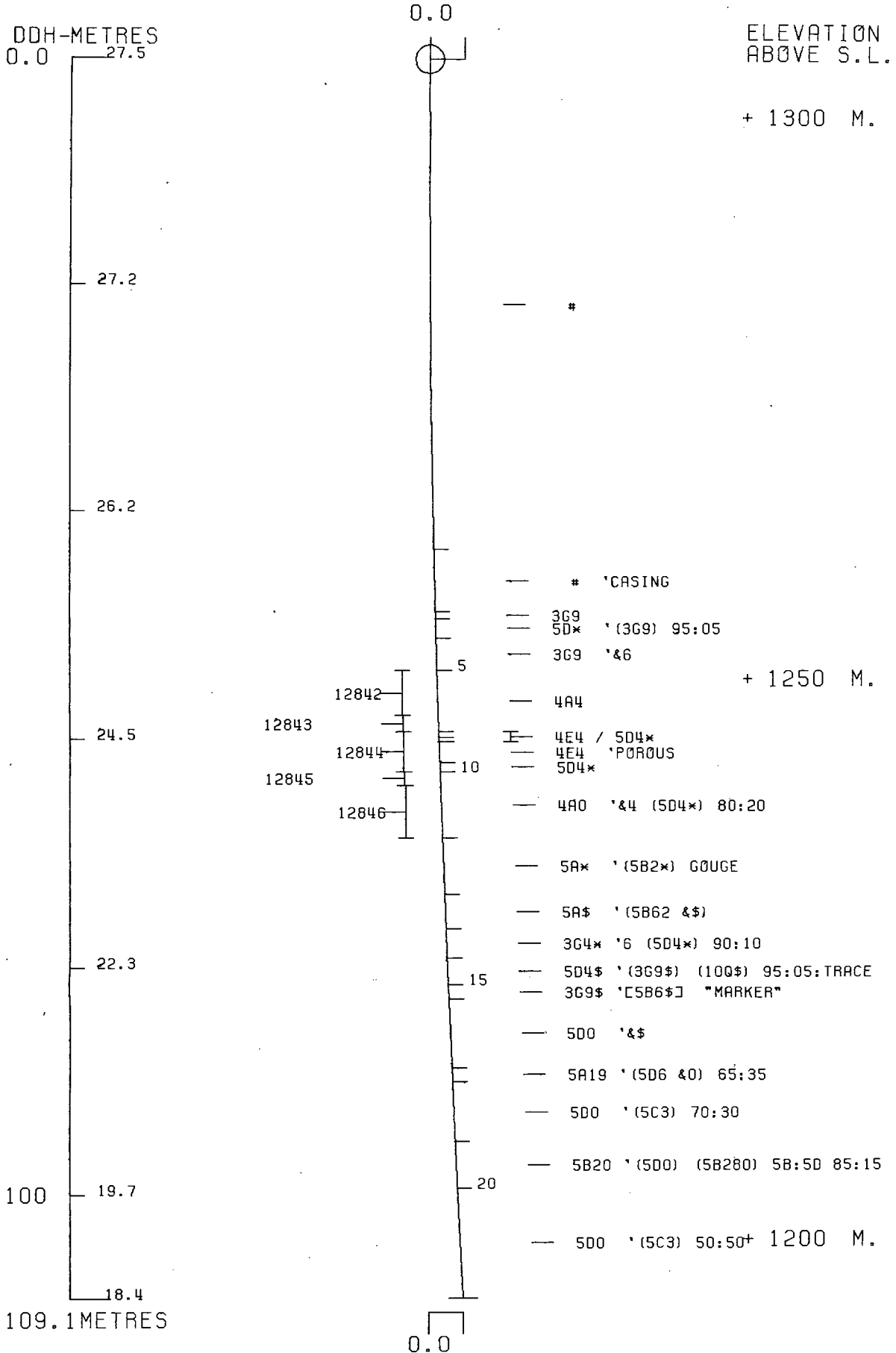
( VIEW AZIMUTH = 312 DEGREES )

ELEV: 1300 592405E ; 905193N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 715.7 Z = 1305.1

SECTION NAME: 75W



# DDH: FAGA239 -- 42 DEGREE PROFILE

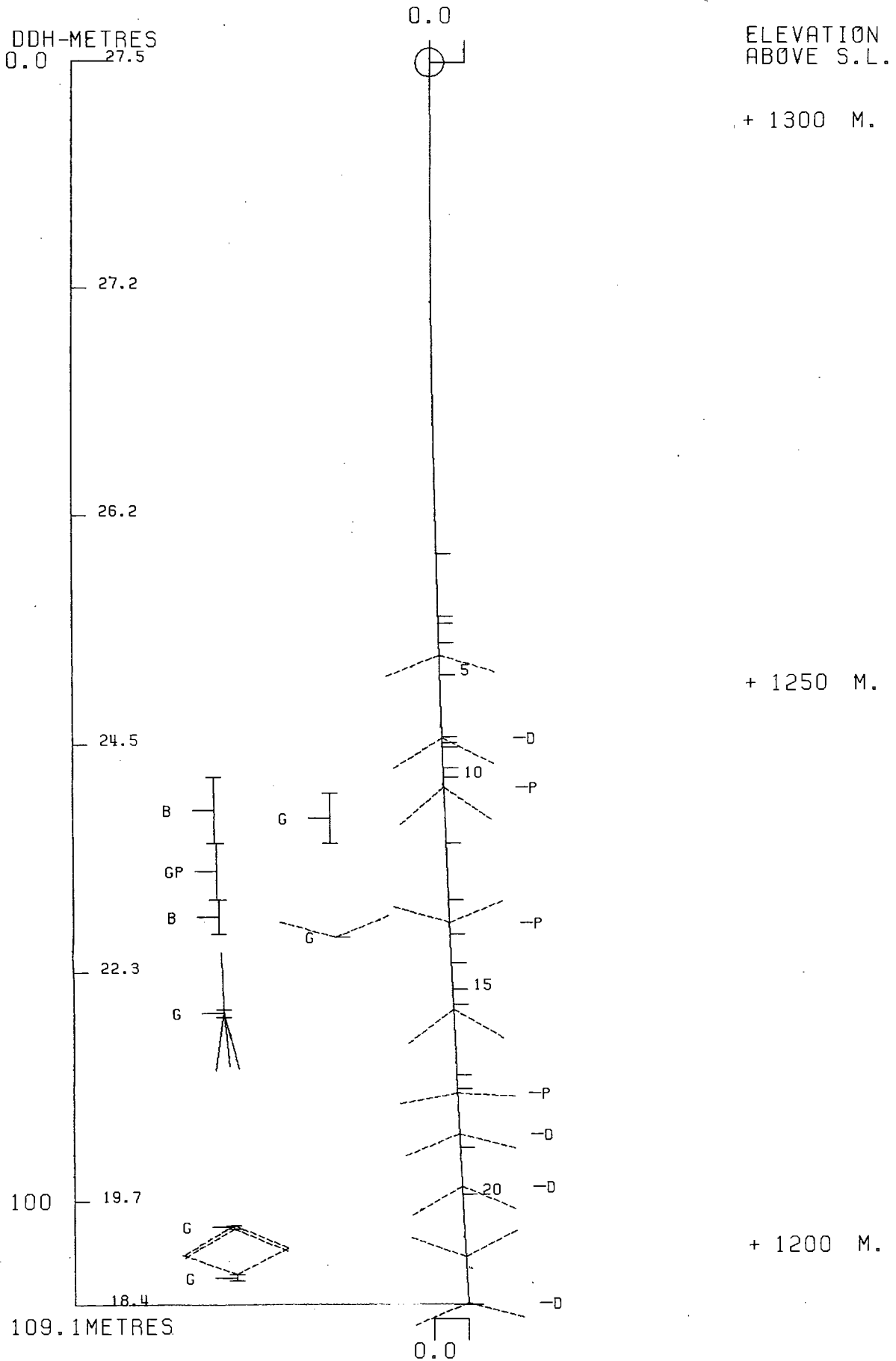
( VIEW AZIMUTH = 312 DEGREES )

ELEV:1300 592405E ; 905193N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 715.7 Z = 1305.1

SECTION NAME: 75W



FACU039

DRILL HOLE : FAGU039  
NORTHING : 904,973.3  
EASTING : 592,282.2  
ELEVATION : 1,134.0  
TOTAL DEPTH : 110.3  
SECTION : W 74  
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: 44  
NOS DOWN-H-SURVEYS: 3  
NOS DOWN-H-LITHCLOGY: 64  
NOS DOWN-H-STRUCTURE: 17  
NOS DOWN-H-FAULTS: 13  
NOS DOWN-H-SPLINES: 3  
NOS COMPOSITES: 0

DDH: F800039 UTM-N: 904773.3 UTM-E: 592282.2 UTM-ELEV: 1,134.0 TOTAL DEPTH: 110.3 SECTION: W 74  
 RFE: S2 RFE DIP: 230 FLUNGE ANGLES: 11 312 DMC CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE INT. REC. ROCK				---ASSAYS---															
FROM	TO	NO.		UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PO %	PY %	TOT FE	EA0 %	HG %	MN %	AS %	SA %	S.G. W.R.	
.0	1.5	09354	1.5	1.2	4CL	2.99	.04	2.10	1.52	30.00		.48	2	5	8						
1.5	2.8	09355	1.3	.6	4C0	3.02	.05	.41	.90	8.00		.48	3	6	10						
2.8	4.1	09356	1.3	1.3	4C0	3.10	.15	2.10	1.52	33.00		.55	2	8	10						
4.1	6.2	9C349	2.1	2.1	5C4*			.14	.08	3.10											
6.2	8.4	09357	2.2	2.2	4A1	2.95	.04	1.38	.32	17.00		.82	2	4	6						
8.4	9.7	09358	1.3	1.3	4C0	2.92	.03	2.00	2.90	29.00		.41	1		2						
9.7	11.0	09359	1.3	1.3	4C0	3.06	.07	1.33	2.50	25.00	27.00	.75	1	4	5						
15.5	16.1	09360	.6	.5	4LC	2.89	.03	1.84	2.06	29.00		.34	1	1	3						
16.5	17.9	09361	1.4	.6	4AL	2.91	.02	.40	1.20	8.00		.14	3	1	5						
18.3	19.4	09362	1.1	1.1	4CL	2.89	.03	1.70	3.00	25.00		.21	3	2	5						
20.8	22.8	09363	2.0	2.0	4A4	3.06	.04	2.37	4.80	33.00		.69	1	6	7						
23.3	25.9	09364	2.6	2.6	4LC	2.95	.03	.77	1.56	12.00		.55		4	5						
25.9	28.0	09365	2.1	2.1	4A1	2.91	.04	1.53	.88	14.00		.62		4	4						
28.8	29.7	09366	.9	.9	4CL	2.90	.03	1.97	2.90	26.00		.55	2	2	5						
35.9	36.7	09367	.8	.6	4CL	2.96	.03	1.71	1.27	22.00		.27	2	5	8						
37.3	37.9	09368	.6	.5	4CL	2.92	.03	.54	1.03	10.00		.07	3	3	7						
38.7	40.9	09369	2.2	2.2	4CL	2.96	.05	.45	1.50	13.00		.07	4	4	9						
42.7	44.2	09370	1.5	1.3	4EG	4.35	.16	7.50	14.70	116.00		.96	2	24	26						
48.8	49.3	09371	.5	.5	4E0	4.18	.01	1.30	2.90	28.00		.55		31	31						
50.7	53.0	09372	2.3	2.3	4E46	4.34	.11	4.70	7.10	88.00		1.03	1	25	27						
53.0	54.9	09373	1.9	1.9	4G4*	4.66	.20	5.10	9.20	81.00		1.44		14	15						
54.9	56.4	09374	1.5	1.5	4E46	4.53	.26	6.80	12.10	74.00		1.65	2	27	29						
56.4	57.9	09375	1.5	1.5	4E46	4.66	.19	4.10	6.30	62.00		1.23	1	37	39						
57.9	59.2	09376	1.3	1.2	4G4	4.93	.14	3.60	7.70	69.00	76.00	1.51	1	19	21						
59.2	60.5	09377	1.3	1.3	4G4	4.60	.22	4.10	7.60	74.00		1.44	2	28	30						
60.5	61.0	09378	.5	.4	4C3	3.52	.11	1.18	2.90	25.00		.75	2	19	22						
61.0	62.5	09379	1.5	1.5	4E4	4.72	.22	2.90	4.10	42.00		1.44	2	37	40						
62.5	64.0	09380	1.5	1.5	4E4	4.24	.15	2.30	2.90	41.00		1.78	2	34	36						
65.9	67.9	09381	2.0	1.9	4E4	4.34	.21	3.20	3.00	66.00		2.06	2	32	34						
67.9	70.2	09382	2.3	2.3	4E4	4.40	.15	3.00	3.50	47.00		6.84	1	31	32						
72.6	73.2	09383	.6	.6	4LD	4.49	.05	4.40	7.60	67.00		.89	3	5	8						
73.2	75.2	09384	2.0	2.0	4CG	3.91	.04	2.40	5.90	46.00		.62		16	16						
75.2	77.2	09385	2.0	1.8	4CG	3.63	.05	2.50	5.10	47.00		.62		15	15						
77.2	79.2	09386	2.0	2.0	4CG	3.91	.16	3.10	6.80	86.00	96.00	1.37		13	13						
79.2	81.2	09387	2.0	2.0	4CG	3.62	.05	3.30	6.80	49.00		.69		10	11						
81.2	83.4	09388	2.2	2.2	4D43	4.03	.03	8.70	18.00	151.00		1.58	2	12	14						
83.4	84.8	09389	1.4	1.4	4E4	4.81	.29	5.20	8.40	77.00		1.92	1	33	34						

UTM-N: 904,973.3 UTM-E: 592,262.2 UTM-ELEV: 1,134.0 TOTAL DEPTH: 110.3 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMC CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	ASSAYS															
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PO %	FY %	TCT FE	BAO %	MG %	MN %	AS %	BA %	S.G. W.R.	
84.8	85.4	09390	.6	.6 4G4*6	4.49	.31	6.70	12.30	105.00			2.61	1	27	28						
85.4	87.4	09391	2.0	2.0 4E4	4.51	.20	4.70	8.20	63.00			1.71	2	30	33						
87.4	89.4	09392	2.0	2.0 4E4	4.63	.21	2.70	4.90	49.00			1.44	1	37	39						
89.4	91.2	09393	1.8	1.8 4E0	4.57	.28	1.10	2.20	29.00			1.37	1	37	39						
91.2	93.2	09394	2.0	2.0 4CE	3.99	.31	3.50	4.40	58.00			1.71	2	25	27						
93.2	95.2	09395	2.0	2.0 4CE	4.04	.21	2.40	1.35	37.00			1.10	9	17	26						
95.2	96.7	09396	1.5	1.5 4DA	4.01	.14	4.40	10.54	68.00	73.00		2.67	5	15	20						

WEIGHTED AVERAGE

.0	11.0	11.0	10.0		2.42	.04	1.27	1.21	19.31	3.19		.48	2	3	5						
15.5	16.1	.6	.5		2.89	.03	1.84	2.06	29.00			.34	1	1	3						
16.5	17.9	1.4	.6		2.91	.02	.40	1.20	8.00			.14	3	1	5						
18.3	19.4	1.1	1.1		2.89	.03	1.70	3.00	25.00			.21	3	2	5						
20.8	22.8	2.0	2.0		3.06	.04	2.37	4.80	33.00			.69	1	6	7						
23.3	28.0	4.7	4.7		2.93	.03	1.10	1.25	12.89			.58		4	5						
28.8	29.7	.9	.9		2.90	.03	1.97	2.90	26.00			.55	2	2	5						
35.9	36.7	.8	.6		2.96	.03	1.71	1.27	22.00			.27	2	5	8						
37.3	37.9	.6	.5		2.92	.03	.54	1.03	10.00			.07	3	3	7						
38.7	40.9	2.2	2.2		2.96	.05	.45	1.50	13.00			.07	4	4	9						
42.7	44.2	1.5	1.3		4.35	.16	7.50	14.70	116.00			.96	2	24	26						
48.8	49.3	.5	.5		4.18	.01	1.30	2.90	28.00			.55		31	31						
50.7	64.0	13.3	13.1		4.52	.17	4.17	7.01	66.40	7.42		1.38	1	27	29						
65.9	70.2	4.3	4.2		4.37	.17	3.09	3.26	55.83			4.61	1	31	33						
72.6	96.7	24.1	23.9		4.13	.16	3.77	7.05	65.03	12.51		1.37	2	21	23						

CDH: FAGU039 UTM-N: 904,973.3 UTM-E: 592,282.2 UTM-ELEV: 1,134.0 TOTAL DEPTH: 110.3 SECTION: W 74  
PFE: 52 RFE CIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	163.300	230.400
30.500	165.000	243.000
56.400	165.000	241.000

DATE: 8/20/59

UTM-N: 904977.2 UTM-E: 592202.2 UTM-ELEV: 1,134.0 TOTAL DEPTH: 110.3 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.5	OC01	4L12	(504*) [4CL]	0.5-	1
4.1	OC02	4CC		0.5-	1
5.4	OC03	5C4*	MOTTLED	0.5-	1
6.2	OC04	4L1	-> 4A DOWN	0.5-	1
8.4	OC05	4A1		0.5-	1
11.0	OC06	4CC		0.5-	1
12.7	OC07	5C*		0.5-	1
13.2	OC08	4L2	[4CL]	0.5-	1
15.5	OC09	5C*	(4CL)	0.5-	1
16.1	OC10	4CC	(4L0) [4L12] [4CL]	0.5-	1
16.5	OC11	5C4*		0.5-	1
17.1	OC12	4A1	[4C5] [4A PHYLLITIC]	0.5-	1
17.9	OC13	4L0	[4L4]	0.5-	1
18.3	OC14	5C4*		0.5-	1
19.4	OC15	4CL	[4C SERICITIC] [4L12]	0.5-	1
19.8	OC16	4L0	(504*)	0.5-	1
20.2	OC17	4AG	PHYLLITIC	0.5-	1
20.8	OC18	5C4		0.5-	1
22.6	OC19	4AG		0.5-	1
23.3	OC20	5C4*	MOTTLED	0.5-	1
25.9	OC21	4L1	-> 4CC [4L12]	0.5-	1
28.0	OC22	4A1	PHYLLITIC	0.5-	1
28.4	OC23	4L12	[4LC]	0.5-	1
28.8	OC24	5C4*	MOTTLED	0.5-	1
29.7	OC25	4CC	(4L0) [4CL] [4L12] [4C SER.]	0.5-	1
30.3	OC26	5C4*		0.5-	1
31.2	OC27	5A1		0.5-	1
32.8	OC28	5C4*	(4C0 SERICITIC)	0.5-	1
33.4	OC29	5C*	MOTTLED	0.5-	1
33.7	OC30	4CC	(4L0) [4CL] AS UNIT 25 ETC.	0.5-	1
35.9	OC31	5C*	MOTTLED	0.5-	1
36.7	OC32	4CC	[4CL] [4C SERICITIC]	0.5-	1
37.3	OC33	5C*	MOTTLED	0.5-	1
37.9	OC34	4CC	SERICITIC [4CL ETC.]	0.5-	1
38.3	OC35	5C1*	MOTTLED	0.5-	1
38.7	OC36	5C4*		0.5-	1
40.9	OC37	4CC	(4L0) [4CL]	0.5-	1
42.5	OC38	5C4*	MOTTLED	0.5-	1
42.7	OC39	5A0	(4C0) BXA [4A0 BXA]	0.5-	1
44.2	OC40	4E4	(4G4#)	0.5-	1
48.8	OC41	5A6	-> (4A0)	0.5-	1
49.3	OC42	4E0	88	0.5-	1
50.7	OC43	5C*	MOTTLED	0.5-	1
53.0	OC44	4E46	[4E4 (4G4)]	0.5-	1
54.9	OC45	4G4	(4K4) 95:05	0.5-	1
57.9	OC46	4E46	8# POROUS	0.5-	1
60.5	OC47	4G4		0.5-	1
61.0	OC48	4C3		0.5-	1
64.0	OC49	4E4	(5C4*)	0.5-	1
65.5	OC50	1CCC		0.5-	1
65.9	OC51	5AC		0.5-	1

DOWN-POLE LITHOLOGY ( )

DDH: FAGU039 UTM-N: 904,973.3 UTM-E: 592,282.2 UTM-ELEV: 1,134.0 TOTAL DEPTH: 110.3 SECTION: W 74  
 RFE: S2 RFE DIR: 230 FLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
70.2	OC52	4E4		C.5-	1
71.6	OC53	4LE		O.5-	1
72.6	OC54	5A6	(4E)	C.5-	1
73.2	OC55	4LC	(4D4)	O.5-	1
81.2	0056	4CC	(4G4*) 35:45	O.5-	1
83.4	OC57	4C43	-> 4D453	O.5-	1
84.8	OC58	4E4		O.5-	1
85.4	OC59	4G4*	6	C.5-	1
91.2	OC60	4E4	(4D0) MINOR	C.5-	1
95.2	OC61	4DE	BXA	C.5-	1
96.7	OC62	4DA	BXA	O.5-	1
100.6	OG63	5B6	[3G0]	O.5-	1
110.3	OC64	5B6	[3G0]	O.5-	1



SDH: FAGUC39 UTM-N: 904,973.0 UTM-E: 592,282.2 UTM-ELEV: 1,134.0 TOTAL DEPTH: 110.3 SECTION: W 74  
 RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DMC				
FAGUC39	42.5	42.7	XF				C	0	C	C	0	0	0	1
FAGUC39	44.2	48.8	GF				C	0	99	999	0	0	0	1
FAGUC39	0.0	63.2	XF?				0	0	C	C	0	0	0	1
FAGUC39	61.0	64.0	X?				C	0	C	C	0	0	0	1
FAGUC39	64.0	65.5	BX				C	0	C	C	0	0	0	1
FAGUC39	66.7	68.1	FG9				C	0	C	C	0	0	0	1
FAGUC39	68.8	69.8	F				0	0	C	C	0	0	0	1
FAGUC39	70.2	72.6	G				C	0	99	999	0	0	0	1
FAGUC39	91.2	95.2	D				0	0	C	C	0	0	0	1
FAGUC39	94.5	95.2	PC?	5			C	0	C	C	0	0	0	1
FAGUC39	95.2	97.6	D?				C	0	C	C	0	0	0	1
FAGUC39	97.6	100.6	GB				0	0	G	C	0	0	0	1
FAGUC39	108.0	109.7	G				C	0	G	C	0	0	0	1

DDM: FAGUC39 UTM-N: 904773.3 UTM-E: 592232.2 UTM-ELEV: 1,134.0 TOTAL DEPTH: 110.3 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDM SEGMENT NOS COAD INDICATOR

FAGUC39	1	2
FAGUC39	2	2
FAGUC39	3	1

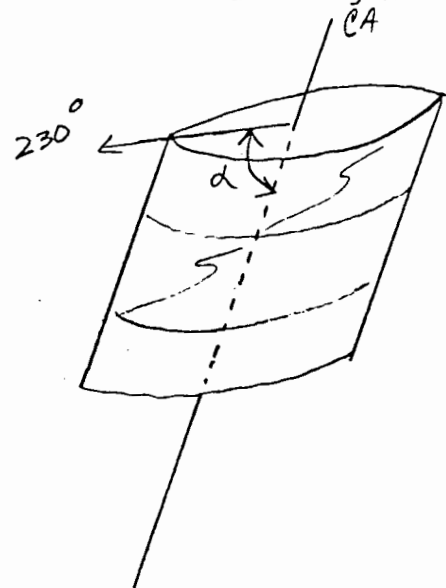
CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-U39

Fabric Orientation Diagram:

Project: Grum Releg



Location: Vangorda Plateau

Claim: \_\_\_\_\_

Terr. Plane Co-ords.: 6904973.29 N

*UTM*  
*K-x* *Y-ways*  
*E* *words*  
Co-ords.: 592282.18 E

Grid Co-ords.: 74W/3N

All symmetry determinations looking

NW with S<sub>2</sub> dipping

SW with dip azimuth 230.

Elevation: 1133.99 1134.013

Total Depth: 110.3 m

Purpose: \_\_\_\_\_

Logged by: JSM

Date(s) Logged: July 18, 19, 24, 25, 1980

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

BQ 0 110.3

Started: 3/9/1976 Completed: 3/10/1976



DDH 716-11039  
2 8

Cyprus Anvil Mining Corp.  
Lithologic Log

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Logged By: JSM

No.	From		To		Unit	Code	Description
	10	14	16	20			
L	100		115		1	4C1L	5D4 w/ mariposite @ TOI then 4n w/ some sericite 15% PbZn
L	115		141		2	4C1D	locally pitted + chewed up minor sericite on partings
L	141		154		3	5D4 <sup>C</sup>	*not mottled 5D altered to buff CO <sub>3</sub> <sup>=</sup> + mariposite
L	154		162		4	4L1	w/ v. minor py grades into 4A1 @ bottom of interval.
L	162		184		5	4A1	w/ v. minor py 1-2% PbZn
L	184		110		6	4C1D	1-5% PbZn, ~30% sfd, similar to unit 2
L	110		127		7	5D3 <sup>C</sup>	*not mottled + massive slightly calc (11.73-11.97 = massive 5D)
L	127		132		8	4L2	Mixed quartz v. minor py
L	132		155		9	5D3 <sup>C</sup>	*not (4CL) tan buff ank. 14.4-14.6 4CL 2-3% PbZn
L	155		161		10	4L1C	4CL as unit 1 @ TOI + EOI, goes to 4LD center 4C top & bottom
L	161		165		11	5D4	3 massive buff w/ mariposite blebs (buff mottl is Fe(CO <sub>3</sub> ))
L	165		171		12	4A1	v. siliceous w/ grey mica not graphite, minor PbZn
L	171		179		13	4L1D	or maybe 4L4 - 2-3% PbZn
L	179		183		14	5D4	3 as unit 11 NO @ TOI
L	183		194		15	4C1L	50:50 white mica + quartz @ TOI nodding downward to [4CO]s
L	194		198		16	4L1D	5D4 (mottled) altered to mariposite + buff CO <sub>3</sub> <sup>=</sup> @ TOI then 4LD or 4L1
L	198		202		17	4A1D	or maybe 4A1 minor py phyllitic
L	202		208		18	5D4 <sup>C</sup>	*not mottled 5D altered to buff CO <sub>3</sub> <sup>=</sup> and mariposite
L	208		228		19	4A1D	~5% PbZn phyllitic
L	228		272		20	5D4 <sup>C</sup>	*not mottled 5D altered to buff CO <sub>3</sub> <sup>=</sup> and mariposite
L	272		259		21	4L1C	gradational 4L1-4C0 downward; TOI is 4A1 over (0.4m) graph
L	259		280		22	4A1	~3% PbZn phyllitic
L	280		284		23	4L1C	white mica > quartz, minor py
L	284		288		24	5D4 <sup>C</sup>	*not buff CO <sub>3</sub> <sup>=</sup> , mariposite, talc development wiped out by alteration
L	288		297		25	4C1L	4C0 > 4LD minor PbZn + py; 0.1m emb. fuchs site in middle
L	297		303		26	5D4	3 massive buff w/ mariposite and NO
L	303		312		27	5A1	minor py @ TOI
L	312		328		28	5C4	* (4C0) 31.3-32.0 is 5C4x remainder is 4C0 sericitic 5C4w amorphous & fuchs site.
L	328		334		29	5D4 <sup>C</sup>	*not mottled (chlor. + Fe(CO <sub>3</sub> )) to 33.2 then massive
L	334		337		30	4C1L	As unit 28
L	337		359		31	5D3 <sup>C</sup>	*not mottled (chlor + Fe(CO <sub>3</sub> )) with interbed of massive 5D @ 34.1 + interbed of 4LD @ 35.1; 34.8 amygdaloidal texture.
L	359		367		32	4C1D	or maybe 4CL (~10-15% white mica); ~20% sfd (py + minor PbZn) or [4CO] sericitic.

\*=>

SECTION

\*=>

Code	From		To		Unit	Code	Description
	10	14	16	20	22 23	25 27	
L	1316	7	1317	3	313	5D13	mottled as unit 31 but bugged up by QQQ and 4L0
L	1317	3	1317	9	314	4C1L	as before, 15-20% sfds (py + minor PbZn), 60:40 Qtz:whitemica
L	1317	9	1318	3	315	5D11	<sup>not</sup> this is sort of like mottled 5D in texture but there are siliceous bands + blebs as well as buff CO <sub>2</sub> ; minor mariposite
L	1318	3	1318	7	316	5D14	massive buff CO <sub>2</sub> w/ minor mariposite blebs well foliated and with thin siliceous bands
L	1318	7	1410	9	317	4C1L	equally 4C + 4L, 10% sfds py w/ minor PbZn [4C] seritic
L	1410	9	1412	5	318	5D14	<sup>not</sup> mottled 5D (buff CO <sub>2</sub> + both chlor. + mariposite)
L	1412	5	1412	7	319	5A10	brxia clasts = pyritic Qtzite rounded + angular matrix = graphite (5A4C brxia)
L	1412	7	1414	2	410	4E14	(4C4) <sup>4SA</sup> w/ 15(?)% PbZn + minor Qtz eyes in a banded relationship w/ calcareous 4G to 433 then 4E4/4E0 w/ minor Qtz or carbonate banding to EOI
L	1414	2	1418	8	411	5A16	(4A0) Gauge to 47.2 locally gradational w/ 4A; v. minor py
L	1418	8	1419	3	412	4E10	w/ minor Qtz blebs + minor orange sphal bands, minor mat blebs. ~2% PbZn
L	1419	3	1510	7	413	5D13	<sup>not</sup> mottled/discontinuous chlorite lenses + blebs in calc (+ siliceous?) matrix) slightly different texture than other mottled 5D's in this hole. meta-igneous appearance. minor base-metals (gal, sph) + py dissem
L	1510	7	1513	0	414	4E14	10-14% PbZn <sup>to 51.2</sup> TOT is gradational etc w/ unit 43 (chlorite gone to mariposite). Local concentrations of malite ie 412. Perhaps this unit should be called 4E4/4G4 <sup>interleaved</sup>
L	1513	0	1514	9	415	4G14	25% (?) PbSO <sub>4</sub> , 14% PbZn, hrney sphal, gal, py <sup>1m @ 4K4</sup>
L	1514	9	1517	9	416	4E14	possibly 4E46 <sup>10%</sup> pitches w/ coarse sph gal + cpy @ TOT some porous zones that could be leached 4G4. <sup>1</sup> ~11% PbZn <sup>5m @ 0.4m [4K4]</sup>
L	1517	9	1610	5	417	4G14	25% (?) PbSO <sub>4</sub> , 10% (?) PbZn : 50% PbSO <sub>4</sub> 58.5 to 59.3
L	1610	5	1610	4	418	4C10	40:60 py:Qtz <sup>3.5 to 10%</sup> texture is not banded as usual 4C0, 0 PbZn
L	1610	4	1614	0	419	4E14	54% PbZn fractured, interbd of 5C4* (mottled + marip) @ 63.2 (0.3m) bxta. weakly cemented.
L	1614	0	1615	5	510	0Q10	chewed up, broken with minor 5D4, minor phillite, minor sfdb
L	1615	5	1615	9	511	5A10	<sup>weakly calcareous</sup> contact with unit 52 10° to c.a. local casts indicate 5A younger <sup>likely story</sup>
L	1615	9	1710	2	512	4E10	(5-7% PbZn in assay 1-2 by sight) fault zone 16.7-16.1 banded w/ py + coarse py, then magged + broken 4F appearing interval 16.8 (0.2m)

DDH 7.6-4.0.3.9  
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Cyprus Anvil Mining Corp.

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## Lithologic Log

Logged By: JSM

Code	From	To	Unit	Code	Description
I	10 14	16 20	22 23	25 27	
					fault zone (?) 68.8-69.8 highly fractured + completely broken Trac. 40° to C.a.
L	7.0.2	7.1.6	5.3	4.1.4 E	gouge, clay-altered + broken, patches of 4E + 4L (?)
⇒ L	7.1.6	7.2.6	5.4	5.1.6	gouged, clay altered sericite altered with graphite + minor 4E (0.1m)
L	7.2.6	7.3.2	5.5	4.1.4	(4D4) 40% 4D4 (20% PbZn) @ 73.1-73.2 <sup>f</sup> @ Tail 0.1m.
⇒ L	7.3.2	8.1.2	5.6	4.1.0	(AG4*) 55:45 (bands of white to gray qtz + bands of 4G4) after 1 <sup>st</sup> metre essentially carbonate. Through out: Shange rock - possibly fold nose + megacryst breccia producing mixed ore. <sup>see</sup> sample s.
L	8.1.2	8.3.4	5.7	4.1.4	Locally goes to 4E4; where there is more quartz there are a few minor graphite remnants 4D45 9-24% PbZn. Minor ankerite healed fractures
L	8.3.4	8.4.8	5.8	4.1.4	13% PbZn orange sphal, minor buff CO <sub>2</sub> veining
L	8.4.8	8.5.4	5.9	4.1.4	* an > sphal? 10%?? PbZn 10% BaSO <sub>4</sub> , weak reacr. to 10% H <sub>2</sub> O
L	8.5.4	9.1.2	6.0	4.1.4	inhomogenous distribution of PbZn - overall decrease downhole; irregular occurrence of minor quartz going to 4D0 @ 90.3-90.7. minor buff CO <sub>2</sub> veining.
⇒ L	9.1.2	9.5.2	6.1	4.1.4 E	sfl Bx wellhealed to 93.3 w/ some large (2") rounded clast. of 4CE (~75% py) in 4D4 matrix 93.3-96.6 - matrix = FeCO <sub>3</sub> poorly healed. Ground core 94.5-95.2 (0.4m rec)
L	9.5.2	9.6.7	6.2	4.1.4	Bx sulphide - ankerite healed. 4A clasts in this interval.
L	9.6.7	10.0.6	6.3	5.1.6	[3G] Gouge; Essentially gouge & narrow broken intervals.
L	10.0.6	11.0.3	6.4	5.1.6	[3G] Monotonous grey phyllite. Gouge 108.0-109.7 EOH.

NB  
Additional  
info

DDH 76-U039  
2 8

Cyprus Anvil Mining Corp.  
Structural Log

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Logged By: JSM

Code	From			To			Feature	SYM	S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24			26	28	32	34	
S							P S <sub>1</sub> 2			5.5	23.0		This hole is entirely sfd's and mottled SD (almost) so only S <sub>2</sub> readings taken
S							S P S <sub>1</sub> 2			5.3	23.0		
S							P S <sub>1</sub> 2			7.5	23.0		
S							3 P S <sub>1</sub> 2			6.0	23.0		
S							5 P S <sub>1</sub> 2			7.4	23.0		
S							6 P S <sub>1</sub> 2			5.2	23.0		
S							7 P S <sub>1</sub> 2			4.2	23.0		
S							3 P S <sub>1</sub> 2			6.0	23.0		
S							8 P S <sub>1</sub> 2			7.0	23.0		
S							4 P S <sub>1</sub> 2			5.4	23.0		
S							10.23 P S <sub>1</sub> 2			4.7	23.0		
S							10.79 P S <sub>1</sub> 2			4.5	23.0		
S							11.03 F <sub>1</sub> 2 R						

DDH 74-0039  
2 8

Cyprus Anvil Mining Corp.  
Structural Log

Page \_\_\_\_\_ of \_\_\_\_\_

Date: Aug 14/81 Logged By: PST

Code	From				To				Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.		S <sub>2</sub> Dip Direct.		Description	
	10	14	16	20	22	24	26	28			32	34	38	40		44
S					09				IND D					80	230	
S					53				CS2 S					70		
S					72				IND P					75		
S					82				IND D					60		
S					130				CS2 B					75		
S					160				CS2 B					70		
S	228				280				IND H							I to c.a.
\$	283				424											Fold closure with hinge at 362
S					367				CS2 M					80		
\$	442				488									35		Fault // S <sub>2</sub>
\$	732				812											Appears to be fold hinge possibly @ 772 see sample.
\$	912				1006											Bx zone to 967 above gona zone strongly indicates a low angle fault. Gona zone appears // S <sub>2</sub>



See over

DDH 76-110.39  
2 8

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

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Logged By: JSM  
Sampled By: KP

Code	From			To			Sample No.	Description	Length	Recovery	Unit
	10	14	16	20	22	27					
P		100			15		11775 KA		1.5	1.0	4CL
P		15			30		11776 KA		1.5	1.0	4CO
P		30			40		11777 KA		10	1.0	4CO
P		40			61		11778 KA		2.1	2.1	5D43, 4L1
P		61			81		11779 KA		2.0	2.0	4A1
P		81			95		11780 KA		1.4	1.4	4A1 4CO
P		95			110		11781 KA		1.5	1.5	4CO
P		172			202		11782 KA		3.0	3.0	4L0 5D43 4CL 4L0 4A0
P		202			229		11783 KA		2.7	2.7	5D43, 4A0, 5D43
P		229			259		11784 KA		3.0	3.0	5D43, 4CL
P		259			284		11785 KA		2.5	2.5	4A1, 4LC
P		389			410		11786 KA		2.1	2.1	4CL, 5D43
P		410			427		11787 KA		1.7	1.4	5D43, 5A/4C
P		427			440		11788 KA		1.7	1.2	4E4
P		488			503		11789 KA		1.5	1.5	4E0, 5D3
P		503			518		11790 KA		1.5	1.5	5D3, 4E46
P		518			533		11791 KA		1.5	1.5	4E46, 4G4
P		533			549		11792 KA		1.6	1.6	4G4
P		549			564		11793 KA		1.5	1.3	4E4
P		564			579		11794 KA		1.5	1.4	4E4
P		579			594		11795 KA		1.5	1.5	4G4
P		594			610		11796 KA		1.6	1.5	4G4 4CO
P		610			625		11797 KA		1.5	1.5	4E4
P		625			640		11798 KA		1.5	1.5	4E4
P		640			655		11799 KA		1.5	1.5	5A0, 4E0
P		655			671		11800 KA		1.6	1.6	4E0
P		671			686		11801 KA		1.5	1.4	4E0
P		686			701		11802 KA		1.5	1.5	4E0
P		701			716		11803 KA		1.5	1.5	4LE
P		716			732		11804 KA		1.6	1.6	5A0 <sup>max</sup> 4L4
P		732			747		11805 KA		1.5	1.5	4CO
P		747			762		11806 KA		1.5	1.5	4CO
P		762			777		11807 KA		1.5	1.5	4CO
P		777			792		11808 KA		1.5	1.5	4CO
P		792			808		11809 KA		1.6	1.6	4CO
P		808			823		11810 KA		1.5	1.5	4CO 4D4

sect 7A W

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Logged by JST

ASSAY LOG (SAMPLER'S COPY)

Date Aug 13/81

Sampled by \_\_\_\_\_

*Meters*

CODE	FROM				TO				SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	1	10	14	16	20	22	26	28					
P		10	0		15		9,3,5,4	15	12	4,CL	(504)		1
P		15			28		9,3,5,5	13	06	4,CO		2	
P		28			41		9,3,5,6	13	13	4,CO			
P		62			84		9,3,5,7	22	22	4,A,1		5	
P		84			97		9,3,5,8	13	13	4,CO			
P		97			110		9,3,5,9	13	13	4,CO		6	
P		155			161		9,3,6,0	06	05	4,L,F		10	
P		165			179		9,3,6,1	06	06	4,A,1	(4LO) 2 units 12 & 13	12	
P		183			194		9,3,6,2	11	11	4,CL		15	
		198			202		————	04	—	4,A,P		17	
P		208			228		9,3,6,3	20	20	4,A,G			
P		233			259		9,3,6,4	26	26	4,L,G	(4A0)	21	
P		259			280		9,3,6,5	21	21	4,A,1		22	
		280			284		————	04	—	4,L,G		23	
P		288			297		9,3,6,6	09	09	4,CL		25	
		312			328		————	06	—	5,CH,*	(4CO)	27	
		334			337		————	03	—	4,CL		30	
P		359			367		9,3,6,7	08	06	4,CO		32	
P		373			379		9,3,6,8	06	05	4,CL		34	
P		387			409		9,3,6,9	22	22	4,CL		37	
P		427			442		9,3,7,0	15	13	4,E,4	(4G4*)	40	
P		488			493		9,3,7,1	05	05	4,E,0		42	
P		507			530		9,3,7,2	23	23	4,E,4,6	[4E4+4G4] (5C4*)	44	

74W

DDH 76-4039 Cyprus Anvil Mining Corp

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Logged by EST

ASSAY LOG (SAMPLER'S COPY)

Date Aug 13/81

Sampled by \_\_\_\_\_

CODE	FROM				TO				SAMPLE				INTR.				REC (m)				UNIT				DESCRIPTION					
	10	14	16	20	22	26	28	30	32	34	36	40	42	10	14	16	20	22	26	28	30	32	34	36		40	42			
P		530			549				9373				119	119														4G4	(4K4)	
P		549			564				9374				115	115														4E4	(4E46px, 4K4)	
P		564			579				9375				115	115														4E4	(" ")	
P		579			592				9376				113	112														4G4		
P		592			605				9377				113	113														4G4		
P		605			610				9378				105	104														4C0		
P		610			625				9379				115	115														4E4		
P		625			640				9380				115	115														4E4	(5C4x)	
P		659			679				9381				120	119														4E0		
P		679			702				9382				123	123														4E0		
P		726			732				9383				106	106														4L4	(4D4)	
P		732			752				9384				120	120														4C0	(4G4x)	
P		752			772				9385				120	118														4C0	(4G4x)	
P		772			792				9386				120	120														4C0	(4G4x)	
P		792			812				9387				120	120														4C0	(4G4x)	
P		812			834				9388				122	122														4D4	(4E4 4D45)	
P		834			848				9389				114	114														4E4		
P		848			854				9390				106	106														4G4x		
P		854			874				9391				120	120														4E4		
P		874			894				9392				120	120														4E4		
P		894			912				9393				118	118														4E4	(4D0)	
P		912			932				9394				120	120														4D,E	Bx	
P		932			952				9395				120	120														4D,E	Bx	
P		952			967				9396				115	115														4D,A	Bx.	



DDH FAGU039  
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Cyprus Anvil Mining Corp.  
Structural Log

Page \_\_\_\_\_ of \_\_\_\_\_

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From				To				Feature	E S <sub>1</sub>	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	1	10	14	16	20	22	24	26			Dip	Direct.	Dip	Direct.	Dip	Direct.	
			42	5		42	7	XF									
			44	2		48	8	GF					99	99	99		
			61	0		64	0	X?									
						63	2	XF?									
			64	0		65	5	BX									
			66	7		68	1	FG									
			68	8		69	8	F									40° to CA
			70	2		72	6	G					99	99	99		
			91	2		95	2	D									
			94	5		95	2	P.C?									
			95	2		97	6	D?									
			97	6		100	6	G									
			108	0		109	7	G									





LOGGED BY gJ

D.D.H. NO 11-39

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Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay 2				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		and second contacts sharp @ 80°															
		33.4-33.7 gtz sulphide with sericite															
36.0	42.7	Quartz Sulphide with Sericite + Chlorite pale green, mod. foliation @ 90°, F <sub>1</sub> locally evident @ 30°, very siliceous, chlorite as bands (parallel F <sub>2</sub> ) as thin wide massive dark green; competent minor fracturing @ 70° and 30° details															
		36.0-37.8 as above chlorite common, P <sub>7</sub> 10, Pb 2n 1	$\frac{1.8}{1.8}$														
		37.8-38.9 bleached phyllite, silicified	$\frac{1.2}{1.2}$														
		38.9-41.0 gtz sulfide P <sub>7</sub> 10, Pb 2n 4	$\frac{2.1}{2.1}$	1786	38.9	41.0	2.1	58	139	591							
		41.0-42.7 kaolin fuchsite alt zone, 42.3(?) 43.7 sulphide breccia fragments of sulphide av. 0.2cm in matrix of graphite, incompetent; P <sub>7</sub> 4, Pb 2n 0.5	$\frac{1.4}{1.7}$	1787	41.0	42.7	1.7	19	22	369							
				↓													
42.7	44.4	Massive Sulphide Breccia P <sub>7</sub> 60, Pb 2n 15 fragments av. 2mm, in fine sulphide matrix well heated competent	$\frac{1.2}{1.7}$	1788	42.7	44.4	1.7	769	1305	12006							
44.4	48.9	Black Sericite Phyllite sheared → fissile, F <sub>2</sub> : 70°, incompetent very talcy, more siliceous section hard and competent, details	$\frac{3.2}{4.4}$	1789	44.4	48.9	4.5	105	200	1000							

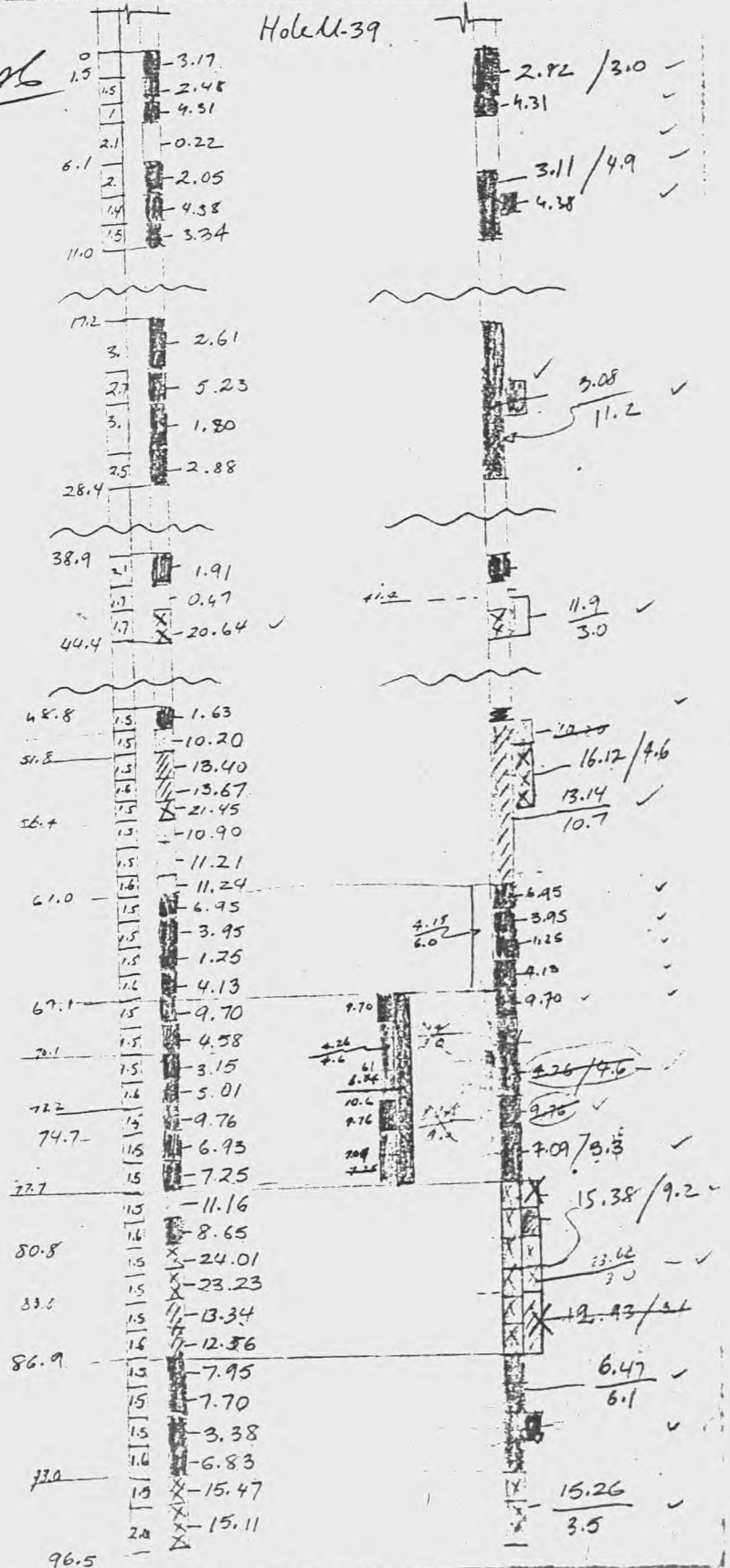






Hole M-39

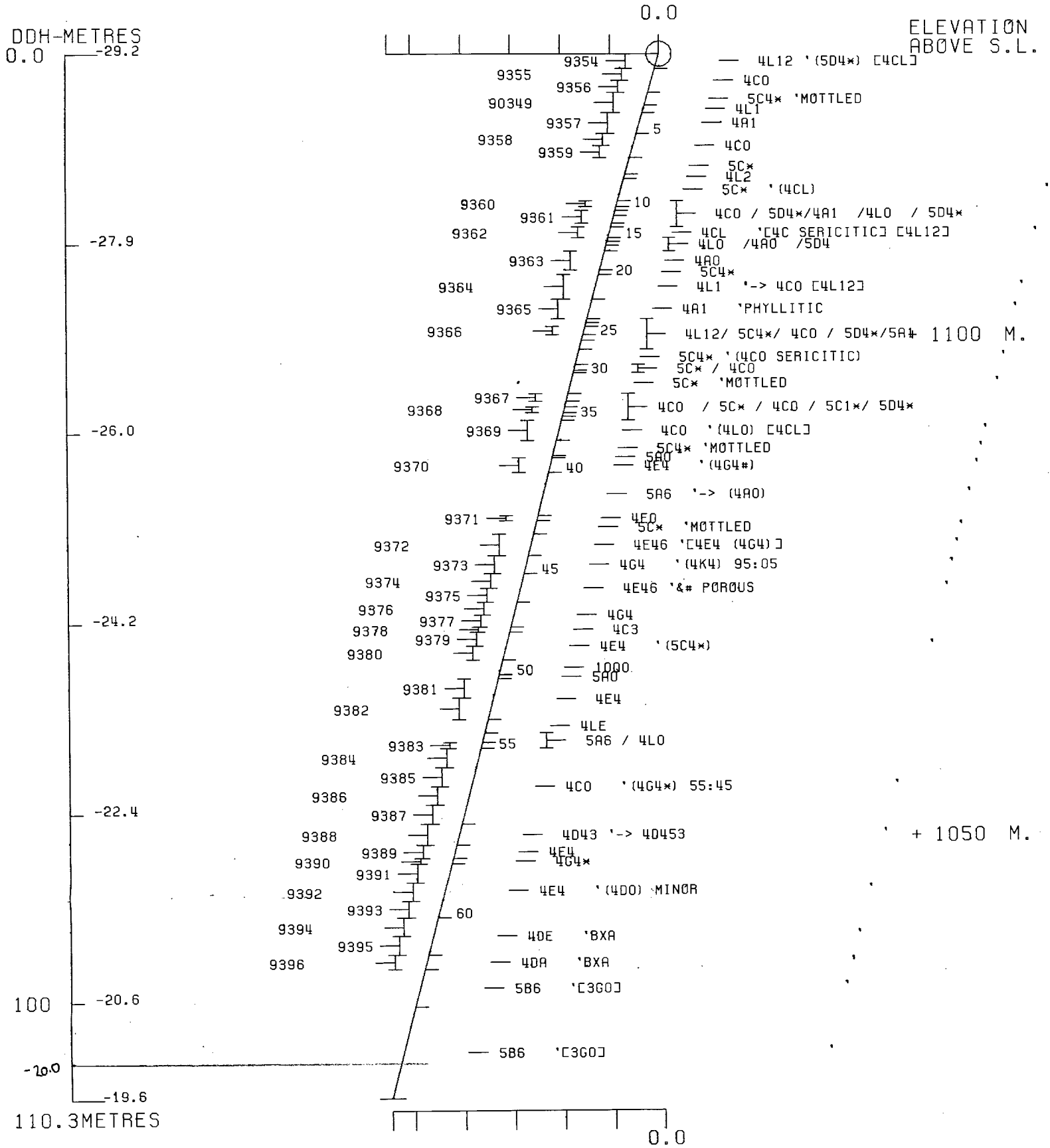
checked by 26





# DDH: FAGU039 -- 42 DEGREE PROFILE ( VIEW AZIMUTH = 312 DEGREES )

ELEV: 1134      592282E ; 904973N  
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0  
 CORRECTED COLLAR POSITION: X = 469.7    Z = 1128.3  
 SECTION NAME: 75W



# DDH: FAGU039 -- 42 DEGREE PROFILE

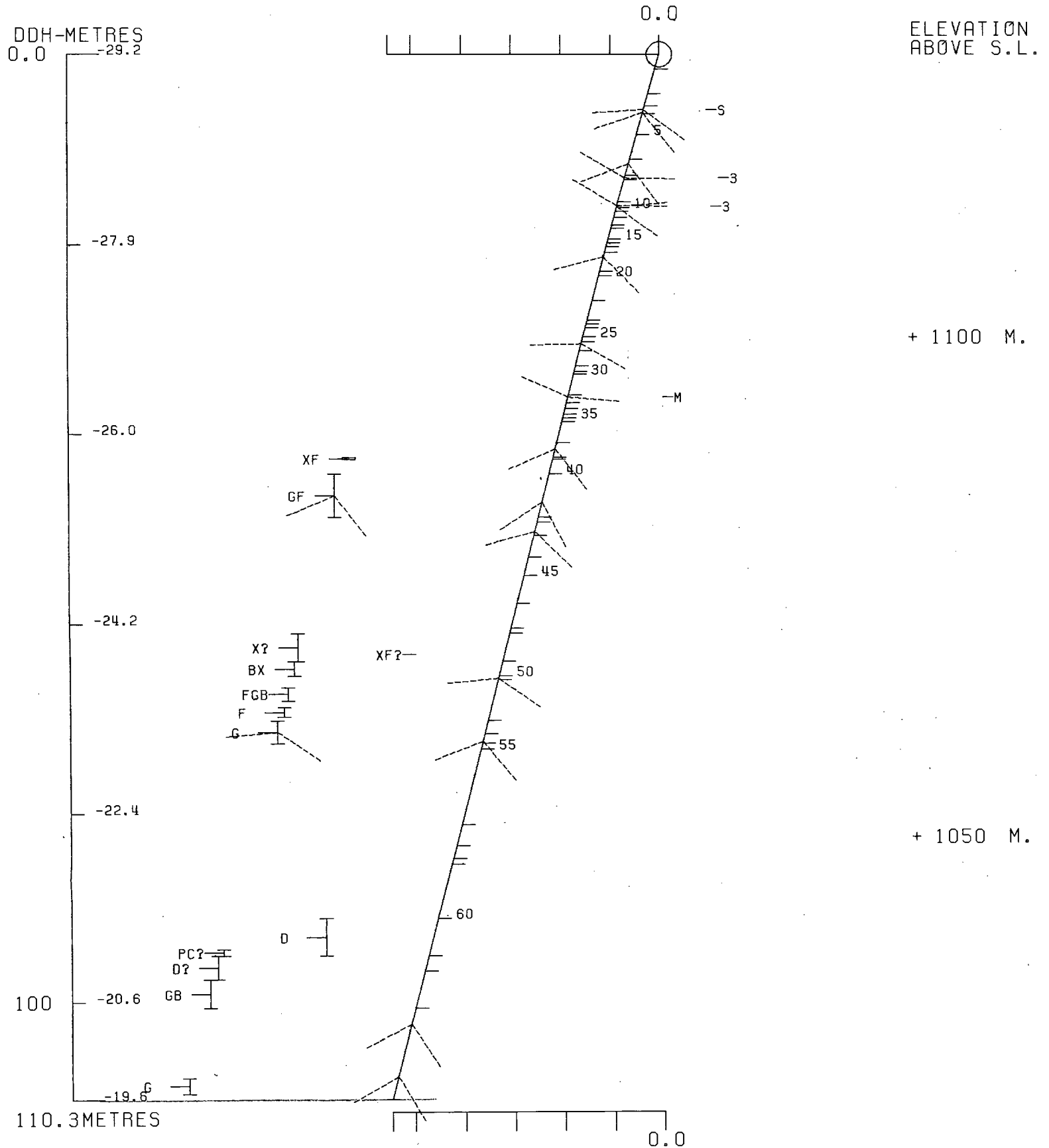
( VIEW AZIMUTH = 312 DEGREES )

ELEV: 1134      592282E ; 904973N

PLUNGE ANGLE IS 11:0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 469.7    Z = 1128.3

SECTION NAME: 75W



FAGU040

DRILL HOLE : FAGU040  
NORTHING : 904,973.1  
EASTING : 592,282.1  
ELEVATION : 1,134.0  
TOTAL DEPTH : 108.8  
SECTION : W 74  
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: 40  
NOS DOWN-H-SURVEYS: 3  
NOS DOWN-H-LITHOLOGY: 32  
NOS DOWN-H-STRUCTURE: 23  
NOS DOWN-H-FAULTS: 13  
NOS DOWN-H-SPLINES: 3  
NOS COMPCITES: 0

LOG: F460040 UTM-N: 904773.1 UTM-E: 592232.1 UTM-ELEV: 1134.0 TOTAL DEPTH: 108.8 SECTION: W 74  
 RFE: 52 RFE DIR: 230 FLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	ASSAYS													
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PC %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
.0	2.0	08948	2.0	.9 4C0	2.99	.04	1.14	1.70	18.00		.41	3	5	8					
2.0	4.0	08949	2.0	.9 4C0	3.07	.08	1.76	1.74	29.00		.55		9	9					
4.0	5.8	08950	1.8	1.6 4C0	2.96	.06	1.01	.65	17.00		.41	2	4	6					
6.6	7.9	09104	1.3	1.3 4A0	2.95	.04	1.76	2.90	27.00		.62		4	5					
8.5	10.1	09105	1.6	1.4 4CA	2.92	.06	1.02	1.36	16.00		.41	1	6	8					
11.1	12.9	09106	1.8	1.8 4A0	2.89	.04	1.43	.65	16.00		.62		5	5					
17.7	18.6	09107	.9	.8 4A0	2.89	.03	1.59	2.50	19.00		.75		2	3					
18.6	20.5	09108	1.9	1.8 4A0	2.94	.03	1.44	1.84	17.00		.82		3	4					
21.5	23.5	09109	2.0	1.9 4A0	3.02	.05	2.50	2.03	28.00		.69		7	8					
23.5	25.5	09110	2.0	2.0 4A0	2.98	.07	2.60	.93	27.00		.82		6	6					
25.5	27.5	09111	2.0	2.0 4A0	2.98	.09	.33	.44	8.00		.82		8	8					
27.5	29.5	09112	2.0	1.8 4A0	2.93	.08	.27	.61	7.00		.69		7	8					
29.5	31.0	09113	1.5	1.5 4A0	3.06	.11	.13	.36	5.00		.48	1	10	12					
31.0	32.2	09114	1.2	1.2 4A0	2.96	.09	.08	.24	5.00		.27	2	7	9					
36.3	37.8	09115	1.5	1.5 4A0	3.10	.08	.29	1.00	8.00		.62		11	12					
37.8	39.5	09116	1.7	1.6 4A0	3.15	.09	1.47	2.70	25.00	27.00	.69		8	9					
39.5	41.5	09117	2.0	2.0 4A4	3.26	.08	2.60	3.00	50.00		1.10	1	11	12					
41.5	43.6	09118	2.1	2.1 4A0	3.28	.10	.09	.36	7.00		.82		1	16	17				
43.6	45.6	09119	2.0	2.0 4E4	4.43	.19	5.40	5.60	76.00		1.51	1	27	28					
45.6	46.6	09120	1.0	1.0 4G4	4.15	.19	5.50	8.10	97.00		1.37	1	23	25					
54.4	56.2	09121	1.8	1.8 4AG	3.65	.18	2.60	4.70	87.00		1.23	1	17	18					
57.9	59.9	09122	2.0	2.0 4GE#	4.06	.14	3.40	5.20	69.00		1.37	1	25	26					
59.9	61.9	09123	2.0	2.0 4GE#	3.97	.05	2.80	5.00	59.00		1.17	1	13	14					
61.9	63.5	09124	1.6	1.6 4GE#	4.43	.09	5.10	8.90	92.00		1.03		18	19					
64.6	65.6	09125	1.0	.9 4EL	3.59	.13	2.90	3.70	64.00	60.00	.75	1	15	17					
65.6	67.6	09126	2.0	1.9 4GE#	4.08	.10	3.40	6.10	63.00		.82	1	17	18					
67.6	69.6	09127	2.0	2.0 4GE#	4.29	.15	3.80	6.80	85.00		.96		20	21					
69.6	71.6	09128	2.0	2.0 4GE#	4.17	.26	3.50	6.30	105.00		1.30	1	23	24					
71.6	73.0	09129	1.4	1.4 4GE#	4.38	.21	4.70	7.80	114.00		1.17		20	21					
73.0	74.7	09130	1.7	.9 4GE#	4.33	.16	4.70	7.30	122.00		1.30		22	23					
85.8	87.8	09131	2.0	1.6 4A0	3.16	.11	.67	1.25	19.00		.55	7	9	16					
87.8	89.8	09132	2.0	1.7 4A0	2.98	.12	.16	.94	8.00		.34	5	6	11					
89.8	91.8	09133	2.0	2.0 4A0	3.02	.23	.26	2.00	15.00		.48	6	7	13					
91.8	93.8	09134	2.0	1.7 4A0	3.43	.33	1.69	3.10	44.00		.55	6	15	21					
93.8	95.8	09135	2.0	.9 4A0	3.28	.07	.47	2.30	16.00		.21	4	14	18					
95.8	97.8	09136	2.0	2.0 4A0	3.08	.11	.79	1.98	17.00		.14	2	9	12					
97.8	99.0	09137	1.2	1.2 4A0	2.93	.10	.09	.56	6.00		.21	3	6	10					
99.0	100.5	09138	1.5	1.5 4A0	3.03	.09	.16	.99	8.00		.41	4	7	11					
100.5	102.7	09139	2.2	2.2 4E4	3.84	.07	4.10	11.40	79.00		.89	5	17	22					
102.7	104.9	09140	2.2	1.8 4E4	3.76	.17	4.20	5.00	72.00		2.06	2	16	18					
WEIGHTED AVERAGE																			
.0	5.8		5.8	3.4	3.00	.06	1.31	1.38	21.48		.45	2	6	8					

LHM: FAGUC40    UTM-N: 904,973.1    UTM-E: 592,282.1    UTM-ELEV: 1,134.0    TOTAL DEPTH: 102.3    SECTION: W 74  
 RFE: S2 RFE DIR: 230 FLUNGE ANGLES: 11    312 DHD CALC: 1    SS CALC: 1

---DEPTHS---		SAMPLE INT. NO.	REC. UNIT	S.G. PULP	-----ASSAYS-----													S.G. W.R.
FROM	TO				CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PG %	PY %	TCT FE	BAO %	MG %	MN %	AS %	
6.6	7.9	1.3	1.3	2.95	.04	1.76	2.90	27.00			.62		4	5				
8.5	10.1	1.6	1.4	2.92	.06	1.02	1.36	16.00			.41	1	6	8				
11.1	12.9	1.8	1.8	2.89	.04	1.43	.65	16.00			.62		5	5				
17.7	20.5	2.8	2.6	2.92	.03	1.48	2.05	17.64			.79		3	4				
21.5	32.2	10.7	10.4	2.98	.07	1.09	.82	14.34			.66		7	3				
36.3	46.6	10.3	10.2	3.53	.11	2.39	3.89	40.60	4.45	1.01	1	16	17					
54.4	56.2	1.8	1.8	3.65	.18	2.60	4.70	87.00			1.23	1	17	18				
57.9	63.5	5.6	5.6	4.13	.09	3.67	6.18	72.00			1.20	1	19	20				
64.6	74.7	10.1	9.1	4.17	.16	3.84	6.47	92.77	3.94		1.06	1	20	21				
85.8	104.9	19.1	16.6	3.28	.14	1.39	3.21	30.85			.62	4	11	16				

DDH: FAGUC40 UTM-N: 904,973.1 UTM-E: 592,282.1 UTM-ELEV: 1,134.0 TOTAL DEPTH: 108.8 SECTION: W 74  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMC CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	143.800	225.300
45.700	149.000	235.000
91.400	149.100	251.000

DDH: FAGU040 UTM-N: 704,973.1 UTM-E: 592,282.1 UTM-ELEV: 1,134.0 TOTAL DEPTH: 108.8 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
5.8	OC01	4CC		0.5-	1
6.6	OCC2	5C4*		0.5-	1
7.9	OGG3	4AC		0.5-	1
8.5	0004	5C4*	MOTTLED	0.5-	1
10.1	OG05	4CC	(4A14) 9G:10	0.5-	1
11.1	OG06	5C4*	MOTTLED	0.5-	1
12.9	0007	4AC	PHYLLITIC	0.5-	1
17.7	OC08	4L0	-> 4L14 (5D4*) 5C:50	0.5-	1
20.5	OGC9	4AC	PHYLLITIC	0.5-	1
21.5	OG10	4CC	(5D4*) [4CL]	0.5-	1
32.2	OC11	4AC	PHYLLITIC (4A14)GRAPHITIC[4A0]	0.5-	1
36.3	OC12	4L1	-> 4L14	0.5-	1
38.8	OC13	4A0	GRAPHITIC	0.5-	1
39.5	OC14	4AC	BXA	0.5-	1
43.6	OC15	4A0	(4A4) GRAPHITIC	0.5-	1
45.6	OC16	4E4		0.5-	1
46.6	OG17	4G4	(5C4*) MINOR	0.5-	1
54.4	OC18	5AC	(5A19) 8\$ -> 4A0 LOCALLY	0.5-	1
56.2	OC19	4AG		0.5-	1
57.9	OC20	5C4*	MOTTLED	0.5-	1
63.5	0021	4G4#	(4E4#) 50:50	0.5-	1
64.6	OC22	5C4*	MOTTLED	0.5-	1
65.6	0023	4EC	BXA (5C4* BXA)	0.5-	1
74.7	OC24	4GE#	BXA	0.5-	1
77.0	OC25	5AC	?	0.5-	1
79.2	OG26	5A3	(10Q0)	0.5-	1
80.8	0027	5AC	?	0.5-	1
85.8	0028	5AG	\$?	0.5-	1
100.5	OG29	4A0	GRAPHITIC (4HC) BXA	0.5-	1
104.9	OG30	4E4	?	0.5-	1
105.9	OG31	5A0	?	0.5-	1
108.8	OC32	5AC	-> 5B2	0.5-	1

DDH: FAGUC40 UTM-N: 904,973.1 UTM-E: 592,282.1 UTM-ELEV: 1,134.0 TOTAL DEPTH: 108.8 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	SD ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE CDE	DMCC	SDC	PRCESS	
FAGUC40	0.0	6.1	CS2		0	0	65	230	C	1	1	1
FAGUC40	0.0	10.5	CS2		0	0	75	230	C	1	1	1
FAGUC40	0.0	14.8	CS2		0	0	55	230	C	1	1	1
FAGUC40	0.0	21.5	CS2		0	0	67	230	C	1	1	1
FAGUC40	0.1	22.9	CS2	S	0	0	0	0	C	1	1	1
FAGUC40	0.0	27.0	CS2		0	0	72	230	C	1	1	1
FAGUC40	0.0	31.0	CS2		0	0	66	230	C	1	1	1
FAGUC40	0.0	36.7	CS2		0	0	65	230	C	1	1	1
FAGUC40	0.0	40.5	CS2		0	0	55	230	C	1	1	1
FAGUC40	22.9	41.1	CS2	Z	0	0	0	0	C	1	1	1
FAGUC40	0.0	41.9	CS2		0	0	56	230	C	1	1	1
FAGUC40	41.1	42.7	CS2	S	0	0	0	0	C	1	1	1
FAGUC40	42.7	46.6	PS2	P	0	0	0	0	C	1	1	1
FAGUC40	0.0	48.5	CS2		0	0	65	230	C	1	1	1
FAGUC40	0.0	50.8	CS2		0	0	70	230	C	1	1	1
FAGUC40	46.6	54.3	CS2	S	0	0	0	0	C	1	1	1
FAGUC40	54.3	85.3	PS2	P	0	0	0	0	C	1	1	1
FAGUC40	0.0	85.6	CS2		0	0	50	230	C	1	1	1
FAGUC40	85.3	88.4	CS2	Z	0	0	0	0	C	1	1	1
FAGUC40	0.0	97.5	PS2		0	0	38	230	C	1	1	1
FAGUC40	0.0	99.0	PS2		0	0	45	230	C	1	1	1
FAGUC40	0.0	106.0	PS2		0	0	53	230	C	1	1	1
FAGUC40	88.4	108.8	PS2	P	0	0	0	0	C	1	1	1

DDH: FAGU040 UTM-N: 904,973.1 UTM-E: 592,202.1 UTM-ELEV: 1,134.0 TOTAL DEPTH: 108.3 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT REC CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DMO			
FAGU040	22.2	22.4	X		C	0	C	0	0	1	
FAGUC40	37.8	39.5	GX		C	0	2C	18C	0	0	1
FAGU040	56.2	57.9	G		0	0	C	G	0	0	1
FAGUC40	0.0	63.5	XG		C	0	0	C	0	0	1
FAGUC40	64.6	65.6	XG?		G	0	0	C	0	0	1
FAGUC40	65.6	74.7	XG?		C	0	0	C	0	0	1
FAGUC40	74.7	77.0	G		0	0	C	C	0	0	1
FAGU040	77.0	79.2	3B		0	0	C	C	0	0	1
FAGUC40	79.2	80.8	G		C	0	C	C	0	0	1
FAGUC40	80.8	85.8	3B		0	0	C	C	0	0	1
FAGUC40	85.8	86.1	D?		0	0	0	C	0	0	1
FAGUC40	100.5	104.9	3B		C	0	0	C	0	0	1
FAGUC40	104.9	105.9	G		0	0	C	G	0	0	1

DDH: FAGU040 UTM-N: 904,973.1 UTM-E: 592,282.1 UTM-ELEV: 1,134.0 TOTAL DEPTH: 106.8 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH SEGMENT NOS CCNO INDICATOR

FAGUC40	1	2
FAGU040	2	2
FAGU040	3	1



CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

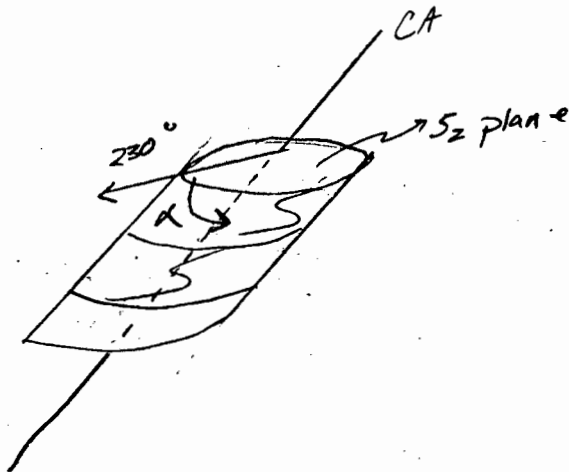
Hole Number: 76-4040

Fabric Orientation Diagram:

Project: Grum Releg

Location: Vangorda Plateau

Claim: \_\_\_\_\_



*WTM*  
Terr. Plane  
Co-ords.: 1904973.098 N

*conversion of  
K-A surveyed  
grid coords*  
96  
E

Grid  
Co-ords.: 74W/3N

All symmetry determinations looking

NW with S<sub>2</sub> dipping

SW with dip azimuth 230.

Elevation: <sup>BT</sup>1133.99

Total Depth: 108.8

Purpose: \_\_\_\_\_

Re-  
Logged by: ISM

Date(s) Logged: July 30, 31 1980

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

BQ 0 108.8

Started: 3/10/76 Completed: 3/12/76

Lithologic Log

Core No.	From		To		Unit	Code	Description
	10	14	16	20			
	100		158		1	4C10	w/ intbd of buff orange 5D43 + minor white mica
	158		166		2	5D14	* mottled altered to buff CO <sub>2</sub> and mariposite
	166		179		3	4A10	40% Pb Zn? qtz/ank. frags. // to c.a.
	179		185		4	5D14	* not mottled altered (more altered than unit 2)
	185		1101		5	4C10	(4A14) 0.2m 4A14 in middle of unit.
	1101		1111		6	5D14	* not mottled-altered & orange-massive
	1111		1129		7	4A10	phyll. → 400 @ TOI
	1129		1177		8	4L10	→ 4L14/5D4 mott-alt. 50:50 interbds minor talc in 5D4
	1177		1205		9	4A10	phyllitic (71% 0.3m of unit 4C0)
	1205		1215		10	4C1	4C1/5D4 mott-alt interbds - similar to unit 8/bad lower
	1215		1322		11	4A10	phyllitic (4A14) graphitic 4A14 for 1.09m of unit/bxted for 0.2m @ end of unit
	1322		1363		12	4L11	→ 4L14 minor py sphal + gn // ↑ 229-24.4 closer to 4L14
	1363		1378		13	4A10	graphitic
	1378		1395		14	4A10	bixiated + gouged 180° to S2 20° to c.a.
	1395		1436		15	4A10	(4A4) graphitic 4A4 for 0.8m @ start of unit.
	1436		1456		16	4E14	16% Pb Zn minor 4L w/ mariposite @ EOI
	1456		1466		17	4G14	5" <sup>ch</sup> mottled-altered to marip @ 46.3-15-16% Pb Zn
	1466		1544		18	5A10	(5A19) Reads variably 10% HCl. Minor stdes. Graph → qtz almost reaches 4A2 variety
	1544		1562		19	4A10	highly altered (qtz?) @ TOI. grades to 4A w/ grey mica, grades to 4G, then grades to 4A0 (downwards) 0.3m 4A at bottom
	1562		1579		20	5D14	* not mottled-altered (mariposite) remnants in a mostly mariposite gouge zone sub//S2
	1579		1635		21	4G1E	* 50:50 4E4/4G4 no distinct boundaries minor 4L interbds
	1635		1646		22	5D14	* not mottled-altered to mariposite/by one qtz 0.2m at start of unit (↑ 4L2 from 59.4 to 60.9)
	1646		1656		23	4L1E	? bixia: clasts of 4E (upto 2") in bixiated mariposite matrix
	1656		1747		24	4G1E	* well healed sfd bixia, clasts + matrix seem to be either 4E-4E4, or 4G4. Some matrix is highly calc!
							Some calc-filled vuggy fracturing
	1747		1770		25	5A10	? black graphitic gouge →
	1770		1792		26	5A13	broken pebble sized core, graphitic phyll + OQO
	1792		1808		27	5A10	? light gray to black gouge
	1808		1858		28	5A13	FeO <sub>2</sub> mostly broken pebble-sized core
							possibly 5A37 @ EOI (thin laminae that look soft of like mottled 5D)
	1858		1005		29	4A10	graphitic 25% Pb Zn (4A0) bix. over 0.3m @ start of unit / 4E0 93.5-94. @ 94.94.5-95
	1005		1049		30	4E4	? v. chewed up some pebble-sized core, @ EOI v. sfd-rich 4A



Structural Log

Code	From		To		Feature	E S	S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20			22	24	26	28	
S				161	C/SZ				65	230	S region 0-22.9
S				105	C/SZ				75	230	
S				148	C/SZ				55	230	
S				1215	C/SZ				67	230	
S				1229	F/Z E						Z region 22.9-41.1
S				1270	C/SZ				72	230	
S				1310	C/SZ				66	230	
S				1367	C/SZ				65	230	
S				1405	C/SZ				55	230	
S				1411	F/Z S						S region 41.1-42.7
S				1419	C/SZ				56	230	
S				1427	F/Z S						R region 42.7-46.6
S				1466	F/Z R						S region 46.6-54.3
S				1485	C/SZ				65	230	
S				1508	C/SZ				70	230	
S				1543	F/Z S						R region 54.3-85.3
S				1853	F/Z R						Z region 85.3-88.4
S				1856	C/SZ				50	230	
S				1884	F/Z Z						R region 88.4-105.2
S				1975	P/SZ				38	230	
S				1990	P/SZ				45	230	
S				11052	F/Z R						P region 105.2-108.8
S				110160	P/SZ				53	230	
S				11088	F/Z P						EDH

CODE	FROM		TO		SAMPLE		INTR.		REC (m)	UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	
P		00		20	8948		20		09	4C0		(5D43)
P		20		40	8949		20		07	4C0		(5D43)
P		40		58	8950		11		08	4C0		(5D43)
P		66		79	9104		13		13	4A0		
P		85		101	9105		16		14	4C0		(4A14)
P		111		129	9106		18		18	4A0		phyll.
P		177		186	9107		09		08	4A14		graph
P		186		205	9108		19		18	4A0		phyll.
P		205		215			10			4CL		
P		215		235	9109		20		19	4A0		phyll
P		235		255	9110		20		20	4A0		"
P		255		275	9111		20		20	4A0		"
P		275		295	9112		20		18	4A0		"
P		295		310	9113		15		15	4A0		"
P		310		322	9114		12		12	4A0		"
P		363		378	9115		15		15	4A0		graph
P		378		395	9116		17		16	4A0		Bx
P		395		415	9117		20		20	4A0		(4A4) graph
P		415		436	9118		21		21	4A0		
P		436		456	9119		20		20	4E4		(4L)
P		456		466	9120		10		10	4G4		(5C4)
P		544		562	9121		18		18	4A0		
P		579		599	9122		20		20	4GEX		(4L)
P		599		619	9123		20		20	4GEX		(4L)
P		619		635	9124		16		16	4GEX		(4L)
P		646		656	9125		10		09	4LE		
P		656		676	9126		20		19	4GEX		
P		676		696	9127		20		20	4GEX		
P		696		716	9128		20		20	4GEX		

ASSAY LOG (SAMPLER'S COPY)

Date Aug 13/87

Sampled by \_\_\_\_\_

CODE	FROM				TO				SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10	14	16	20	22	26	28	30					
P	71	6	73	0	9129	14	14	4GR*					
P	73	0	74	1	9130	17	0	4GR*					
P	85	8	87	8	9131	20	16	4A0				(4H0)	
P	87	8	89	8	9132	20	17	4A0					
P	89	8	91	8	9133	20	20	4A0					
P	91	8	93	8	9134	20	17	4A0				(4E0)	
P	93	8	95	8	9135	20	0	4A0				(4E0)	
P	95	8	97	8	9136	20	20	4A0					
P	97	8	99	0	9137	12	12	4A0					
P	99	0	100	5	9138	15	15	4A0					
P	100	5	102	7	9139	22	22	4E4					
P	102	7	104	9	9140	22	18	4E4					



DDH FAGU040  
2 8

Cyprus Anvil Mining Corp.

Page \_\_\_\_\_ of \_\_\_\_\_

Structural Log

Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	From		To		Feature	S <sub>0</sub> Dip Direct.	S <sub>1</sub> Dip Direct.		S <sub>2</sub> Dip Direct.		Description			
	10	14	16	20			22	24	26	28		32	34	38
		22		22	X <sub>1</sub>									45° to $\alpha$
		37		39	G <sub>X</sub>			20	180					
		56		57	G									
				63	X <sub>G</sub>									
		64		65	X <sub>G</sub> ?									
		65		74	X <sub>D</sub> ?									
		74		77	G									
		77		79	3 <sub>B</sub>									
		79		80	G									
		80		85	3 <sub>B</sub>									
		85		86	D?									
		100		104	3 <sub>B</sub>									
		104		105	G									
		<del>99</del>		<del>108</del>										

# DIAMOND DRILL RECORD

LOGGED BY Glenm Jato

D.D.H. NO 76 U-40 PAGE 1

PROPERTY Grum Joint Venture (Underground)

LATITUDE 10767.00<sup>51</sup> 3+2.5 STARTED March 10/76

DEPARTURE 7588.308 8N COMPLETED March 12/76

ELEVATION 1144.897 74.0.1W PROPOSED DEPTH \_\_\_\_\_  
ULTIMATE DEPTH 108.8

HOLE SURVEY:		
DEPTH	BEARING	DIP
100'	225° 00'	-54°
200'	225° 20' 45"	-53° 58'
300'	224°	-53°
400'	240°	-59°



CLAIM NO \_\_\_\_\_  
DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay				Assay 2		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
0	43.4	Quartz Sulphide with Sericite + Graphite dark grey to light green, med. foliation F <sub>1</sub> = 80 ± 5°; F <sub>2</sub> structures generally not evident, @ 40° to F <sub>2</sub> and tightly folded; graphite locally trace amounts; very siliceous, sulphides <sup>(P<sub>1</sub>, P<sub>2</sub>, P<sub>3</sub>)</sup> are fine bands or disc in gtz. bands parallel either F <sub>1</sub> or F <sub>2</sub> structure; core generally competent parting along F <sub>2</sub> av. 5cm long segments; kaolin-fushite alt zones @ 5.8-6.5, 8.0-8.4, 10.3-10.7, 12.4-13.6, 14.7-15.3, 16.5-16.8, 21.0-21.4; second 37.7-39.3 fracturing, fragments of host material, sericite matrix and 39.1-39.3 sulphide partings can fast gradational; sulphides = 15% py. 1728.92												
43.4	46.7	Banded Massive Sulphide faint banding @ 60°, generally massive texture, competent, fracturing @ 80°, 0° kaolin-fushite alt zones 45.5-45.6 and												
			P <sub>1</sub> P <sub>2</sub>	20 1	0.7/	1820	42.7	43.4	0.7	.07	.08	5.14		
				70 15	P <sub>1</sub>	1821	43.4	45.0	1.63	6.10	9.92	55.72	7.76	15.572 137.152
				60 18	1.7/	1822	45.0	46.7	1.7	6.10	9.20	45.66	10.37	15.64 162.622

LOGGED BY SSD.D.H. NR U-40 PAGE 2

Interval		DESCRIPTION	Recovery	Sample NR	Interval		Sample Length	Assay					Assay 2		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		46.2-46.3, 46.3-46.7 massive sulphide with 15% barite		10.84	46.2	46.7	3.3	6.10	9.55	90.54			20.5	31.82	289.12
46.7	54.7	Graphite Sericite Phyllite grey-black, well foliated, F <sub>2</sub> : 80°, parting along F <sub>2</sub> common segments av. 2cm long, generally competent, 2% sulphides (or) locally as diss. in Qtz rich bands, F <sub>1</sub> structures rare @ 90° to F <sub>2</sub> , details 0°		C-B 8.0											
		54.3-54.5 as above with 10% sulphide													
		54.5-54.7 kaolin alt zone with 5% sulphides as diss and small blebs													
54.7	74.7	Massive Sulphide Zone generally competent, fracturing @ 70°, 40° and 15°, details													
		40 10 1.5/ 1823 54.7 56.2 1.5 2.23 4.03 60.34													
		80 12 1.6/ 57.8													
		54.7-55.9 Massive sulphide with 10% Qtz as matrix, faint bandings @ 80°													
		15 2 1.6/ 1825 59.4 61.0 1.6 .48 .70 8.23											8.32	11.47	150.26
		40 16 1.5/ 55.9-56.2 Graphite Phyllite F <sub>2</sub> : 85° with 10% sulphide													
		40 10 1.5/ 26 61.0 62.5 1.5 6.15 10.43 102.58											9.225	15.65	150.26
		15 5 1.5/ 27 62.5 64.0 1.5 3.70 6.15 58.68											5.55	9.225	87.02
		56.2-57.8 Kaolin Fushite Alt Zone sheared → pulverised, incompetent													
		40 11 1.6/ 28 64.0 65.5 1.5 1.55 1.70 37.37											2.225	2.55	56.055
		40 20 1.5/ 29 65.5 67.1 1.6 3.20 5.20 61.37											5.12	8.32	98.12
		57.9-59.2 Massive Sulphide Breccia													
		40 20 1.5/ 1830 67.1 68.6 1.5 3.75 7.50 53.54											5.625	11.25	53.31

LOGGED BY

D.D.H. NO. U-80PAGE: 3

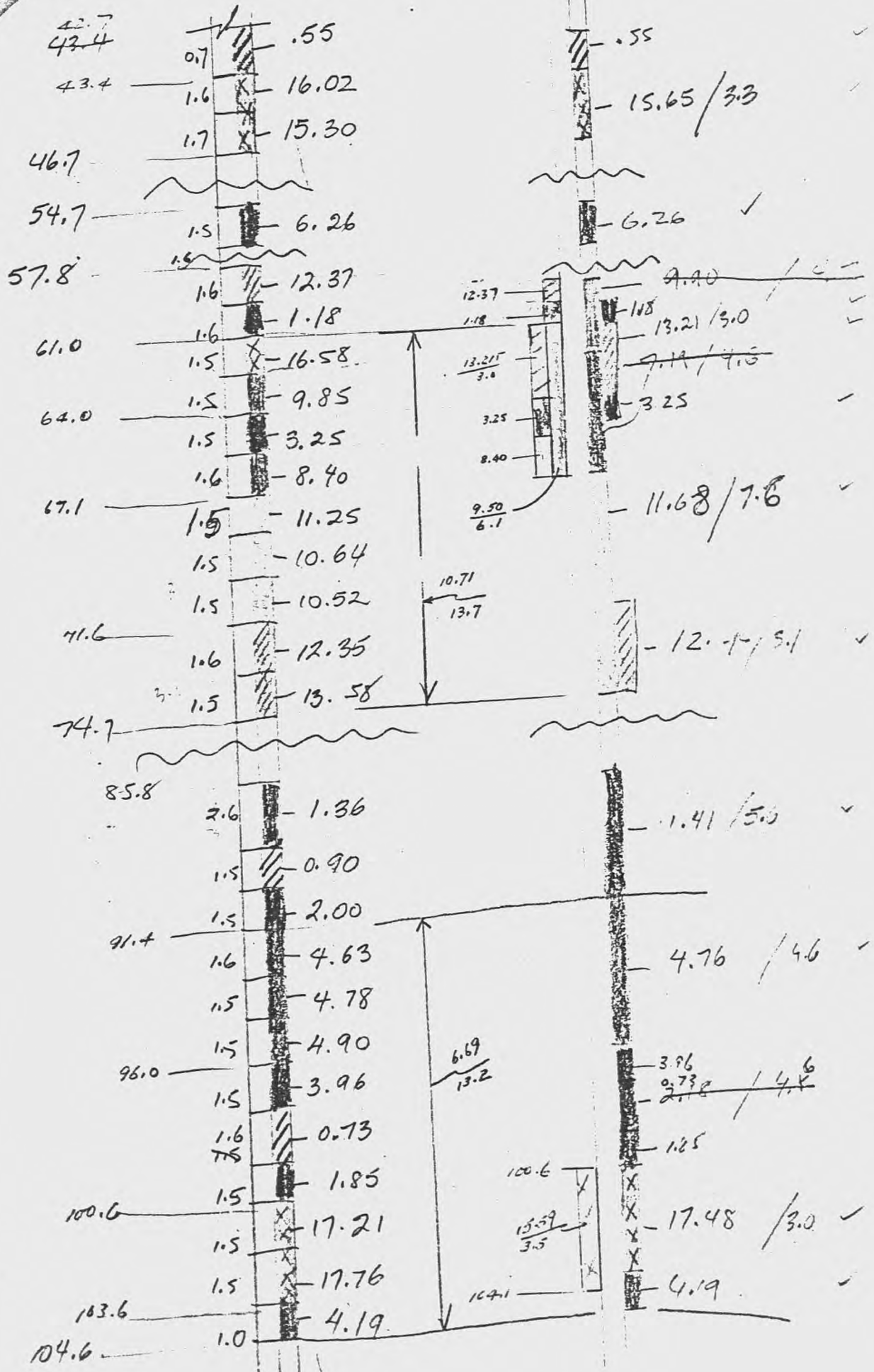
Interval		DESCRIPTION	Recovery	Sample No.	Interval		Sample Length	Assay					Assay 2				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		fragments range to > 10cm (showing banding of various orientations) av. 0.5cm	50 <del>35</del>	14 <del>12</del>	1.5/	1031	68.6	70.1	1.5	3.48	6.66	85.72			5.97	9.99	125.58
		well healed by sulphide and qtz.	35	12	1.5/	32	70.1	71.6	1.5	3.40	6.62	92.92			5.85	9.93	134.89
		59.2-60.9 Quartz Sulphide, 30%	40	12	1.6/	33	71.6	73.2	1.6	4.80	7.55	98.74			7.68	8.08	157.95
		qtz, banding @ 70°, 60.4-60.6 sericitic phyllite (with kaolin) F <sub>2</sub> @ 70° and F <sub>1</sub> distinct @ 90° to F <sub>2</sub> but tightly folded.	30	15	0.9/	1834	73.2	74.7	1.5	5.18	8.40	117.94			7.77	2.6	176.91
		60.9-63.5 Massive Sulphide with Barite 15% barite, sulphide banding @ 80°				W.D.	61.0	62.0	3.0	2.64	5.16	62.33			22.250	28.700	212.400
		63.5-65.6 Kaolin-Fuchsite Alt zone, F <sub>2</sub> =80° F <sub>1</sub> locally distinct @ 90° to F <sub>2</sub> bands of massive sulphide av. 4cm wide @ 65.0 and 65.3 @ 40°				W.D.	67.1	74.7	7.6	4.33	7.35	90.28			32.895	55.15	656.60
		65.6-72.7 Massive Sulphide Breccia fragments of massive sulphide & barite av. 1cm well healed by matrix of barite, qtz & sulphide, 69.9-70.1 and 70.7-71.2 matrix sericite rich and fragments of sericite phyllite				W.D.	71.6	74.7	3.1	4.88	7.16	108.03			15.45	24.68	330.84
		72.7-74.7 Massive Sulphide with Barite				W.D.	62.5	62.5	2.2	3.89	6.01	69.61			18.53	28.28	275.42
						W.D.	61.0	72.7	13.7	4.02	6.69	79.62			52.12	81.59	1022.40



LOGGED BY \_\_\_\_\_

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		av. 0.5cm diameter															
		80.8-85.3 Sericite Phyllite, dark grey tuley, fissile incompetent	1.4 4.5														
		85.3-85.8 Sericite Phyllite, dark grey F <sub>2</sub> 60°, competent	0.4 0.5														
85.8	104.6	Quartz Sulphide with Graphite well foliated, F <sub>2</sub> = 20°-55° but erratic may range to 90°, F <sub>1</sub> rarely evident @ 90° to F <sub>2</sub> , fracturing common @ 70°, 40°, 30° 5°, minor fracture parting along F <sub>2</sub> ; colour: dark grey, sulphides av. 15± 5% as disseminations in gtz rich bands, & follow F <sub>2</sub> structure details															
		85.8-88.4 as above, massive sulphide 85.8-86.1, Py 12, Pb 4	2.0 / 2.6	1835	85.8	88.4	2.6	.43	.93	8.91							
		88.4-89.9 as above Py 5, Pb 2.6	1.3 / 1.5	36	88.4	89.9	1.5	.15	.75	5.14							
		89.9-91.4 as above Py 10, Pb 2.6	1.4 / 1.5	37	89.9	91.4	1.5	.30	1.70	12.00							
		91.4-93.0 " " Py 15, Pb 2.6	1.5 / 1.6	38	91.4	93.0	1.6	1.68	2.45	32.23		F	2.655	0.72	51.565		
		93.0-94.5 " " , massive sulphide 94.0-94.1, Py 15, Pb 2.5	1.0 / 1.5	39	93.0	94.5	1.5	1.68	3.10	57.37			2.52	6.05	56.055		
		94.5-96.0 " " , Py 20, Pb 2.4	0.0 / 1.5	1040	94.5	96.0	1.5	.80	4.10	19.03			1.20	6.15	9.045		
		96.0-97.5 " " , Py 10, Pb 2.6	1.4 / 1.5	41	96.0	97.5	1.5	1.43	2.53	20.23			2.13	3.70	30.35		
		97.5-99.1 " " , Py 10, Pb 2.5	1.5 / 1.5	42	97.5	99.1	1.6 1.5	.08	.65	6.14			0.13	1.04	8.22		
		99.1-100.6 " " , Py 10, Pb 2.6	1.5 / 1.5	43	99.1	100.6	1.5	.85	1.50	8.91			0.53	2.25	12.37		

LE 40 - (-54° / 102.8°)





# DDH: FAGU040 -- 42 DEGREE PROFILE

( VIEW AZIMUTH = 312 DEGREES )

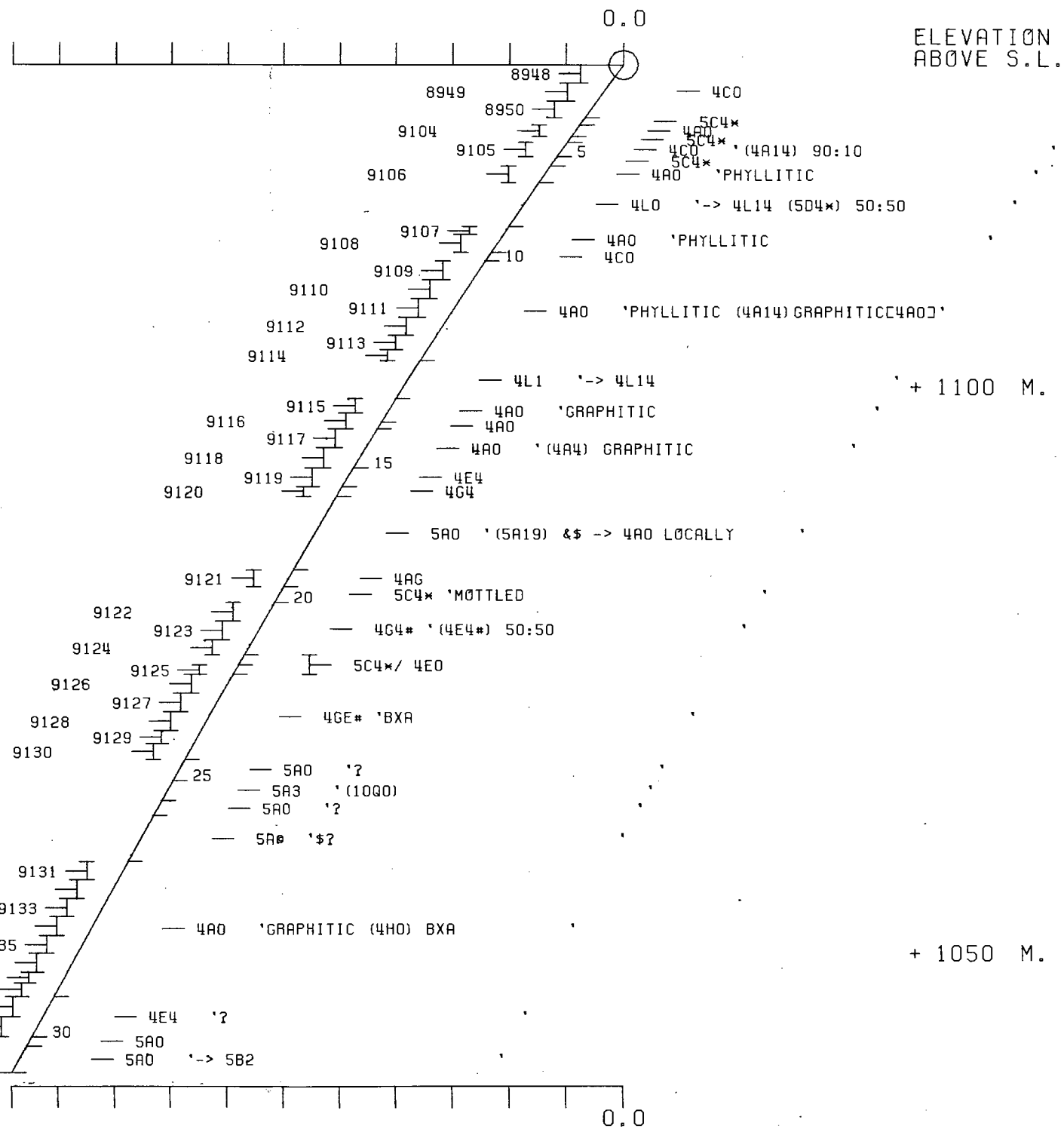
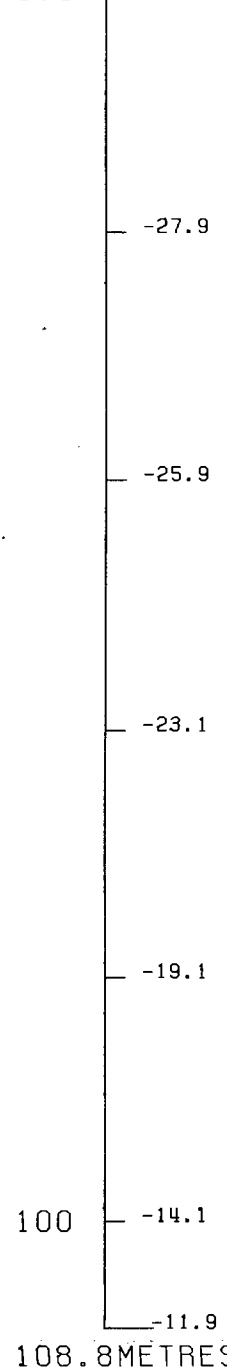
ELEV: 1134 592282E ; 904973N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 469.5 Z = 1128.3

SECTION NAME: 75W

DDH-METRES  
0.0 -29.2



# DDH: FAGU040 -- 42 DEGREE PROFILE

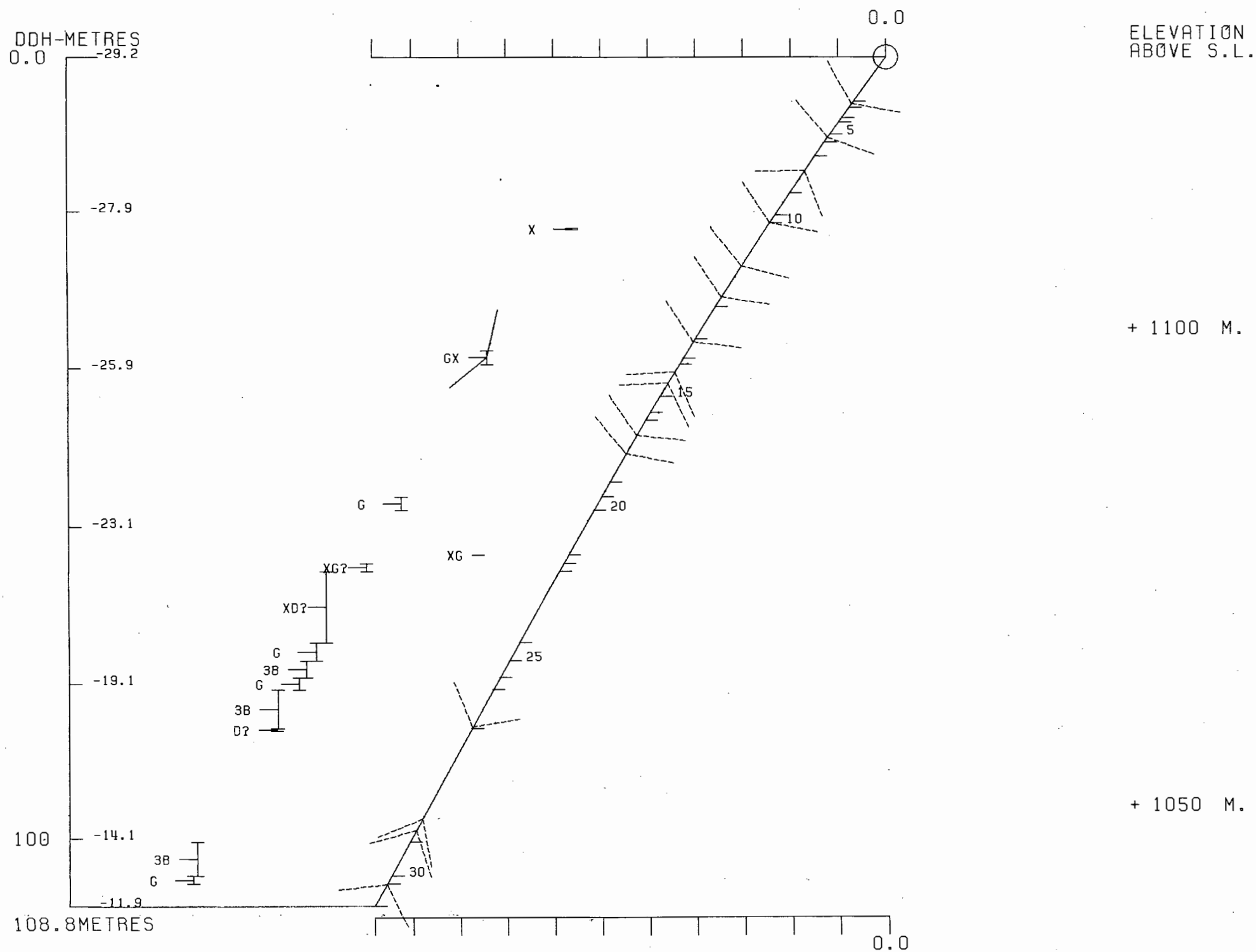
( VIEW AZIMUTH = 312 DEGREES )

ELEV: 1134 592282E ; 904973N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 469.5 Z = 1128.3

SECTION NAME: 75W



DRILL HOLE : FAGU054  
NORTHING : 905,037.0  
EASTING : 592,337.4  
ELEVATION : 1,137.5  
TOTAL DEPTH : 150.9  
SECTION : W 74  
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: 52  
NOS DOWN-H-SURVEYS: 5  
NOS DOWN-H-LITHOLOGY: 44  
NOS DOWN-H-STRUCTURE: 49  
NOS DOWN-H-FAULTS: 13  
NOS DOWN-H-SPLINES: 5  
NOS COMPOSITES: 0

DDH: FAGU054 UTM-N: 905,037.0 UTM-E: 592,337.4 UTM-ELEV: 1,137.5 TOTAL DEPTH: 150.9 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	ASSAYS										S.G. W.R.
FROM	TO										AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %		
.0	2.0	09585	2.0	1.5 4A4	3.45	.03	1.88	4.50	42.00		1.23	1	22	23							
2.0	4.0	09586	2.0	1.9 4A0	3.22	.02	1.50	3.10	33.00	33.00	1.03		10	11							
4.0	6.0	09587	2.0	1.7 4A4	3.11	.04	1.71	3.60	39.00		.69	1	13	14							
6.0	8.0	09588	2.0	1.6 4A4	3.27	.04	1.57	3.50	37.00		.82	1	17	18							
8.0	10.0	09589	2.0	2.0 4A4	3.29	.03	2.90	6.70	56.00		.89	1	14	15							
10.0	12.0	09590	2.0	2.0 4A4	3.48	.10	2.40	4.50	52.00		1.10	1	19	20							
12.0	15.2	09591	3.2	2.1 4A4	2.90	.04	2.20	3.60	29.00		.82	1	5	7							
15.2	16.8	09592	1.6	1.6 4A0	3.18	.05	1.67	3.00	33.00		.75		14	15							
16.8	18.2	09593	1.4	1.4 4A0	3.40	.08	1.02	1.62	25.00		1.10		17	18							
18.2	19.8	09594	1.6	1.6 4A4	3.31	.04	2.40	6.50	44.00		.96	1	12	13							
19.8	21.3	09595	1.5	1.5 4A4	3.39	.05	2.90	4.80	45.00		.89	1	15	16							
21.3	23.3	09596	2.0	1.9 4A4	3.48	.03	3.90	8.60	62.00	63.00	1.03	1	12	13							
23.3	25.3	09597	2.0	2.0 4A4	3.31	.03	4.50	9.00	73.00		.96	1	8	10							
25.3	27.3	09598	2.0	1.8 4A4	3.16	.04	3.20	8.00	55.00		.82	1	7	8							
27.3	29.3	09599	2.0	2.0 4A4	3.25	.13	3.90	9.40	69.00		1.30	1	9	10							
29.3	30.9	09600	1.6	1.6 4A4	3.49	.19	6.90	13.20	116.00		1.51	1	11	13							
30.9	32.5	09601	1.6	1.5 4A4	3.41	.05	6.20	13.50	106.00		1.23	1	8	10							
32.5	33.9	09602	1.4	1.4 4A4	3.28	.06	5.40	10.00	85.00		1.23	1	8	10							
33.9	34.9	09603	1.0	.9 4D0	3.01	.02	3.60	8.60	61.00		.62		4	5							
34.9	35.6	09604	.7	.7 4A4	3.41	.06	8.30	16.70	141.00		.89	2	7	10							
35.6	37.2	09605	1.6	1.6 4D0	3.07	.04	3.20	7.30	58.00		.82	2	6	9							
40.0	42.0	09606	2.0	1.2 4A4	3.39	.08	3.20	5.20	52.00	53.00	1.78	1	12	13							
42.0	44.3	09607	2.3	1.5 4C0	3.03	.10	.34	1.61	10.00		.89	2	9	12							
44.3	45.9	09608	1.6	1.6 4C0	2.99	.11	1.07	1.44	17.00		1.30		9	10							
45.9	47.2	09609	1.3	.8 4AE	3.38	.20	.82	1.25	18.00		1.78		20	21							
47.2	51.3	09610	4.1	1.6 4AE	3.49	.22	1.65	3.10	26.00		1.44	1	21	22							
51.3	53.3	09611	2.0	2.0 4A4	3.14	.04	3.40	7.90	48.00		.82	1	8	10							
53.3	55.4	09612	2.1	2.1 4A4	3.34	.05	2.80	5.10	46.00		.82	1	10	12							
55.4	56.1	09613	.7	.6 5D4*	3.01	.06	3.30	8.90	52.00		.27	8	1	10							
56.1	57.9	09614	1.8	1.8 4A14	2.99	.03	3.20	5.00	54.00		.55	1	2	4							
57.9	59.9	09615	2.0	.7 4A14	2.87	.03	2.70	3.50	40.00		.48	1	1	2							
59.9	61.9	09616	2.0	2.0 4A1	3.07	.05	1.93	1.21	24.00	27.00	1.51	2	5	8							
61.9	62.5	09617	.6	.6 4A1	2.99	.07	1.34	1.31	20.00		1.03	1	6	8							
62.5	63.4	09618	.9	.8 4L12	2.96	.03	1.75	2.60	21.00		.55	2	3	5							
63.4	65.4	09619	2.0	2.0 4A14	3.13	.02	2.80	5.40	39.00		.69	1	7	8							
65.4	67.1	09620	1.7	1.7 4A14	2.96	.01	3.50	6.10	44.00		1.37	1	5	7							
67.1	68.7	09621	1.6	1.6 4A14	2.93	.02	2.30	5.40	33.00		.62	1	4	5							
69.6	70.2	09622	.6	.6 4D0	3.06	.05	2.40	4.70	31.00		.55	3	6	10							
70.2	70.5	09623	.3	.3 5C4*	2.99	.01	.22	5.60	3.00		.27	10	1	11							
70.5	71.2	09624	.7	.7 4AE4	3.70	.14	4.50	6.90	77.00		1.58	2	14	16							
94.0	94.7	09625	.7	.7 4A14	3.25	.07	2.90	7.00	56.00		.48	4	7	12							
94.7	96.7	09626	2.0	1.8 4L124	3.05	.04	1.68	2.20	27.00	33.00	.75	4	5	9							
96.7	98.7	09627	2.0	2.0 4L124	3.10	.04	2.30	4.80	46.00		.89	3	5	9							
98.7	100.6	09628	1.9	1.9 4L124	2.95	.05	1.76	3.40	29.00		.89	3	4	7							
100.6	101.8	09629	1.2	1.2 4L124	2.93	.05	2.20	3.70	40.00		.55	3	6	9							
101.8	103.3	09630	1.5	1.5 4A14	3.12	.03	3.20	9.70	77.00		.48	5	3	8							
103.3	104.8	09631	1.5	1.5 4A14	3.41	.02	3.60	8.00	82.00		.41	6	6	12							
104.8	106.6	09632	1.8	1.8 4D0	3.14	.02	3.80	10.00	84.00		.41	5	3	9							

DDH: FAGU054 UTM-N: 905,037.0 UTM-E: 592,337.4 UTM-ELEV: 1,137.5 TOTAL DEPTH: 150.9 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---	SAMPLE	INT.	REC.	ROCK	S.G.	ASSAYS																
						FROM	TO	NO.	UNIT	PULP	CU	PB	ZN	AG(AA)	AG(FA)	AU(FA)	PO	PY	TOT	BAO	HG	MN
							%	%	%	G/MT	G/MT	G/MT	%	%	FE	%	%	%	%	%	W.R.	
106.6	107.3	09633	.7	.7	SDC4*	3.14	.01	.56	5.90	14.00			.21	13	2	15						
107.3	109.1	09634	1.8	1.8	4A0	3.10	.03	.55	1.88	10.00			.27	9	5	14						
115.2	116.3	09635	1.1	1.1	4B0	3.01	.03	1.85	8.10	35.00			.27	5	5	11						
116.3	117.0	09636	.7	.7	5C6	3.80	.04	1.37	2.80	20.00	29.00		.34	13	16	29						

## WEIGHTED AVERAGE

.0	37.2		37.2	34.3		3.26	.05	3.15	6.63	55.94	5.16		.98	1	11	13						
40.0	68.7		28.7	22.6		3.14	.08	2.24	4.00	33.96	5.57		1.05	1	9	11						
69.6	71.2		1.6	1.6		3.32	.08	2.91	5.83	45.87			.94	4	8	13						
94.0	109.1		15.1	14.9		3.10	.03	2.27	5.42	46.74	4.37		.57	5	4	10						
115.2	117.0		1.8	1.8		3.31	.03	1.66	6.03	29.16	11.27		.29	8	9	18						

04APR84 GRUM

DOWN-HOLE SURVEYS (DHC2C)

PAGE: 40

DDH: FAGU054 UTM-N: 905,037.0 UTM-E: 592,337.4 UTM-ELEV: 1,137.5 TOTAL DEPTH: 150.9 SECTION: W 74  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	30.200	33.200
30.500	28.000	35.000
61.500	26.200	34.000
91.500	21.800	22.000
122.000	18.000	8.000

DDH: FAGU054 UTM-N: 905,037.0 UTM-E: 592,337.4 UTM-ELEV: 1,137.5 TOTAL DEPTH: 150.9 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
16.8	OC01	4A0	81 83 84	0.5-	1
17.1	OC02	4A0	BXA	0.5-	1
33.9	0003	4A4	+3G2 (4D45) (4E4) MINOR	0.5-	1
34.9	OC04	4D0		0.5-	1
35.6	OC05	4A4	[4DE45]	0.5-	1
37.2	OC06	4D0	SER (4A ) (5D4) BOTH MINOR	0.5-	1
38.8	OC07	4LC		0.5-	1
40.0	OC08	10QC		0.5-	1
42.0	OC09	4A4	BXA	0.5-	1
45.9	OC10	4C0	(5D4*) MINOR [4L14]	0.5-	1
47.2	0011	4A0	BXA	0.5-	1
51.3	0012	4A0	(4E0)	0.5-	1
55.4	0013	4A4	83	0.5-	1
56.1	0014	5D4*		0.5-	1
62.5	0015	4A1	PHYLL 84 [4C5]	0.5-	1
63.4	0016	4L12	84	0.5-	1
68.7	0017	4A14	PHYLL [4D5]	0.5-	1
69.6	0018	5C*	MOTTLED	0.5-	1
70.2	0019	4D0	SERICITIC	0.5-	1
70.5	0020	5C4*		0.5-	1
71.2	0021	4A0	(4E4)	0.5-	1
85.3	OC22	5B6	82 [3G0]	0.5-	1
94.0	OC23	5A0	->5A1 (5D4*)	0.5-	1
94.7	0024	4A14	PHYLLITIC? [4D5]?	0.5-	1
101.8	0025	4L12	4	0.5-	1
104.8	OC26	4A14	PHYLL (4D0 SER)	0.5-	1
106.6	OC27	4D0		0.5-	1
107.3	OC28	5C4*	(5D4*)	0.5-	1
109.1	0029	4A0	(4C0)	0.5-	1
110.3	OC30	5A0		0.5-	1
110.8	0031	5C4*	MOTTLED	0.5-	1
111.1	OC32	4D5		0.5-	1
115.2	OC33	5C*	MOTTLED	0.5-	1
116.3	0034	4D0	? [4B0]	0.5-	1
117.0	0035	5D6	(4D4)	0.5-	1
119.5	OC36	5C*	MOTTLED	0.5-	1
120.4	OC37	5D4*		0.5-	1
121.1	OC38	5A0		0.5-	1
121.9	OC39	5D4*		0.5-	1
123.4	OC40	5A0	(5B6) 50:50	0.5-	1
131.1	0041	5B0	88	0.5-	1
146.4	0042	5B80	(5D0) MINOR	0.5-	1
147.4	0043	5D0		0.5-	1
150.9	OC44	5B8C		0.5-	1

DDH: FAGU054 UTM-N: 905-037.0 UTM-E: 592-337.4 UTM-ELEV: 1,137.5 TOTAL DEPTH: 150.9 SECTION: W 74  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SC	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHCC	SDC	PROCESS
FAGU054	0.0	1.6	CS2			0	0	0	C		71	230		C		1	1	1
FAGU054	0.0	7.0	CS2			0	0	0	0		46	230		C		1	1	1
FAGU054	0.1	9.1	CS2	Z		C	0	0	0		0	0		C		1	1	1
FAGU054	0.0	12.2	CS2			0	0	0	0		65	230		C		1	1	1
FAGU054	0.0	16.6	CS2			G	0	0	C		55	230		0		1	1	1
FAGU054	0.0	20.7	CS2			0	0	0	0		49	230		C		1	1	1
FAGU054	9.1	20.8	CS2	S		0	0	0	C		0	0		G		1	1	1
FAGU054	0.0	24.3	CS2			0	0	0	C		55	230		C		1	1	1
FAGU054	20.8	24.4	CS2	Z		0	0	0	0		0	0		0		1	1	1
FAGU054	0.0	29.9	CS2			0	0	0	C		49	230		0		1	1	1
FAGU054	24.4	30.0	CS2	S		0	0	0	C		0	0		0		1	1	1
FAGU054	0.0	34.8	PS2			0	C	0	C		59	230		C		1	1	1
FAGU054	0.0	38.2	PS2			0	0	0	C		46	230		G		1	1	1
FAGU054	0.0	42.7	CS2			G	0	0	C		45	230		0		1	1	1
FAGU054	0.0	47.2	PS2			G	0	0	C		55	230		0		1	1	1
FAGU054	30.0	50.5	PS2	P		C	0	0	C		0	C		C		1	1	1
FAGU054	0.0	51.8	CS2			0	0	0	C		37	230		C		1	1	1
FAGU054	0.0	58.0	CS2			0	0	0	0		30	230		0		1	1	1
FAGU054	50.5	61.7	CS2	Z		0	0	0	G		0	0		0		1	1	1
FAGU054	0.0	62.5	CS2			0	0	0	C		45	230		C		1	1	1
FAGU054	0.0	67.9	CS2			0	0	0	0		60	230		C		1	1	1
FAGU054	61.7	68.0	CS2	S		0	0	0	C		0	0		C		1	1	1
FAGU054	0.0	73.1	CS2			0	0	0	0		35	230		C		1	1	1
FAGU054	68.0	73.2	CS2	Z		0	C	0	0		0	0		0		1	1	1
FAGU054	0.0	78.0	PS2			0	C	0	0		60	230		C		1	1	1
FAGU054	0.0	83.0	PS2			0	0	0	C		65	230		C		1	1	1
FAGU054	73.2	85.3	PS2	P		0	0	0	G		0	0		0		1	1	1
FAGU054	0.0	88.4	CS2			0	C	0	0		67	230		C		1	1	1
FAGU054	0.0	93.3	CS2			0	0	0	0		40	230		G		1	1	1
FAGU054	85.3	94.0	CS2	Z		C	0	0	C		0	0		C		1	1	1
FAGU054	0.0	97.5	PS2			G	0	0	C		65	230		0		1	1	1
FAGU054	0.0	102.0	PS2			0	0	0	G		52	230		0		1	1	1
FAGU054	94.0	107.3	PS2	P		C	0	0	0		0	0		C		1	1	1
FAGU054	0.0	108.3	CS2			0	0	0	0		67	230		C		1	1	1
FAGU054	107.3	110.4	CS2	S		0	0	0	0		0	0		C		1	1	1
FAGU054	0.0	112.8	PS2			C	0	0	0		40	230		C		1	1	1
FAGU054	0.0	117.7	PS2			0	0	0	0		50	230		C		1	1	1
FAGU054	0.0	121.4	PS2			C	0	0	0		53	230		C		1	1	1
FAGU054	110.4	123.3	PS2	P		0	0	0	C		0	C		C		1	1	1
FAGU054	0.0	126.5	CS2			0	0	0	C		60	230		C		1	1	1
FAGU054	0.0	131.3	CS2			0	0	0	0		55	230		C		1	1	1
FAGU054	123.3	131.4	CS2	S		0	0	0	G		0	C		C		1	1	1
FAGU054	0.0	135.6	CS2			0	0	0	0		65	230		C		1	1	1
FAGU054	131.4	138.8	CS2	Z		0	0	0	0		0	0		0		1	1	1
FAGU054	0.0	140.2	CS2			0	0	0	C		55	230		0		1	1	1
FAGU054	138.8	142.3	CS2	S		0	C	0	0		0	0		0		1	1	1
FAGU054	0.0	144.8	CS2			0	0	0	C		66	230		0		1	1	1
FAGU054	0.0	150.8	CS2			C	0	0	C		70	230		0		1	1	1
FAGU054	142.3	150.9	CS2	Z		0	0	0	0		0	0		C		1	1	1

DDH: FAGU054 UTM-N: 905,037.0 UTM-E: 592,337.4 UTM-ELEV: 1,137.5 TOTAL DEPTH: 150.9 SECTION: W 74  
 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			
FAGU054	12.2	15.2	RP	6			0	0	C	0	0	1	
FAGU054	16.8	18.2	X				0	0	C	0	0	1	
FAGU054	31.7	32.7	R				0	0	C	0	0	1	
FAGU054	37.2	38.8	1G				0	0	99	999	0	0	1
FAGU054	40.0	42.0	XR8	5			0	0	C	0	0	0	1
FAGU054	42.0	42.5	X				C	0	C	0	0	0	1
FAGU054	45.7	45.9	R				0	0	C	0	0	0	1
FAGU054	47.2	51.3	RB	4			C	0	0	0	0	0	1
FAGU054	52.9	53.3	X				0	0	C	0	0	0	1
FAGU054	72.9	73.2	G				0	0	C	0	0	0	1
FAGU054	116.3	117.0	XD?				0	0	0	0	0	0	1
FAGU054	120.4	121.1	B				0	0	0	0	0	0	1
FAGU054	121.4	121.9	X?				0	0	0	0	0	0	1

04APR34 GRUP

DOWN-HOLE SPLINES (DM020)

PAGE: 44

DDH: FAGU054 UTM-N: 905,037.0 UTM-E: 592,337.4 UTM-ELEV: 1,137.5 TOTAL DEPTH: 150.9 SECTION: W 74  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU054	1	2
FAGUC54	2	2
FAGU054	3	2
FAGUC54	4	2
FAGUC54	5	1

CYPRUS ANVIL MINING CORPORATION

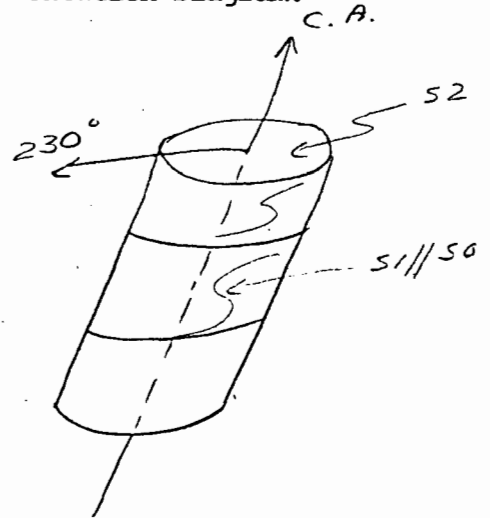
DIAMOND DRILL CORE LOG

Hole Number: 76-U054

Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLAT.



Claim: \_\_\_\_\_

UTM Terr. Plane Co-ords.: 6,905,037.0 N

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

592,337.4 E

Grid Co-ords.: \_\_\_\_\_

All symmetry determinations looking

NW with 52 dipping

SW with dip azimuth 230°.

Elevation: 1137.51

Total Depth: 150.9 m

Purpose: \_\_\_\_\_

Re Logged by: DJH Date(s) Logged: \_\_\_\_\_

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

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



Code	From	To	Unit	Code	Description	
	10	14	16	20	22 23 25 27	
L	1100	1168	8	4A10	±1 ±3 C+phyllitic partings 12.2-15.2 graphitic ± grey sericite = 10-20% → Rubble, fracturing poor rec'y 17/30	
L	1168	1177	12	4A10	bxia	
L	1177	1339	13	4A14	C+phyllitic partings + 3gZ finely interbedded. To Zn noncentr in bands of 4E4 4D45 30.10-31.4; 2 rubble minor 4D45 31.7-32.7; partings mostly graphite toward EOF	
L	1339	1349	14	4D0	white "cherty" Qtz w/ 5% white sericite	
L	1349	1356	15	4A14	(4D-E 45; ie locally very s.d rich)	
L	1356	1372	16	4D10	sericitic as unit 4 w/ minor 4A & 4L0 → 5D4	
L	1372	1388	17	4L10	v. minor thin gouge //s	
L	1388	1400	18	0Q10		
L	1400	1420	19	4A14	bxia; broken core 0.4m core; 0.7m rubble poor rec'y	
L	1420	1459	110	4C10	+ minor 4L; (bxia) over first 0.5 meters; 10-15% tot sdes → then 4C sericitic [4L12±4] (minor 5D4 w/ mariposite) Rubble 45.7-45.9	
L	1459	1472	111	4A10	bxia	
L	1472	1513	112	4A10	17/41 m recovered. 50% of that is rubble Int. generally broken 4A0/4E0 rubble, core mostly 4A0	
L	1513	1554	113	4A14	C+phyllitic partings ± 3gZ finely interbedded bxia 52.9-53.3; locally s.d rich enough to be 4E4; 10QD @ 55.0	
L	1554	1561	114	4L10	gen. porous; minor mariposite 5D4* + marip. porous	
L	1561	1625	115	4A10	5-10% tot sdes; ~20% grey ser. / v. minor graphite 4A1 mostly phyllitic, minor carbon partings; white mica @ HW	
L	1625	1634	116	4E10	as unit 10: 15-20% white ser [4L12±4] 4A14 mostly phyllitic, minor carbon partings; (+3gZ finely interbedded below 68.0)	
L	1634	1687	117	4A14	10-15% grey sericite ± graph	
L	1687	1696	118	5D17	mat. w/ dol. carb.; → 5D4 w/ mariposite locally.	
L	1696	1702	119	4D10	20-25% sdes sericitic	
L	1702	1705	210	5D17	w/ mariposite or 5D4* marip. ank	
L	1705	1712	211	4A10	(4E4)	
L	1712	1853	212	5B16	grey; 360? → 5A6 at least to 73.2, then 5E26	
L	1853	1940	213	5A10	→ 5A1 towards EOF; minor 4L0 (maripos.) @ EOF	
L	1940	1947	214	4A10	phyllitic? Actual thin sericite w/ very sparse phyllitic partings	
L	1947	11011	825	4D0	[4L12] thin hot border line rock barely 5% Ph/En; ~5% white ser.	
L	11011	11014	826	4A10	4A14 phyllitic (4D0 sericitic) ~10% grey ser ± graph	
L	11014	11066	217	4D10	lots of red sph. Locally looks grey due to grey Qtz	
L	11066	11073	218	4L10	± mariposite 5D-C 4* marip + ank, miss + mat	
L	11073	11091	219	4A0	(4C0 to 108.0)	
L	11091	11103	330	5A10		
L	11103	11108	331	5D17	→ 5D43 + mariposite 5D4* mat	
L	11108	11111	332	4A14	massive; 1-2% grey ser ± graphite; 4D0? 4B0 w/ grey Qtz	



DDH 76-11054  
2 8Cyprus Anvil Mining Corp.  
Structural LogPage 5 of 8Logged By: DJH

Code	From <sub>m</sub>				To <sub>m</sub>				Feature	SYE	S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	32	34	
S				16	CIS							71	23	30	Z region 0.0 - 9.1 m
S				70	CIS							41	6	23	30
S				91	FR	3									S region 9.1 - 20.8
S				112	2	CIS						65	2	30	
S				166	CIS							55	2	30	
S				208	FR	E						49	2	30	Z region 20.8 - 24.4
S				244	FR	3						55	2	30	S region 24.4 - 30.0 m
S				300	FR	S						49	2	30	R region 30.0 - 50.5 m. (minor S & Z determinations)
S				348	IS							59	2	30	
S				382	IS							46	2	30	
S				427	CIS							45	2	30	
S				472	IS							55	2	30	
S				505	FR	R									Z region 50.5 - 61.7
S				518	CIS							37	2	30	
S				580	CIS							30	2	30	
S				617	FR	3									S region 61.7 - 68.0
S				625	CIS							45	2	30	
S				680	FR	E						60	2	30	Z region 68.0 - 73.2
S				732	FR	Z						35	2	30	PSZ region 73.2 - 85.3 (minor Z sym)
S				780	PS							60	2	30	
S				830	PS							65	2	30	
S				853	FR	P									Z region <sup>85.3</sup> 73.2 - 94.0
S				884	CIS							67	2	30	
S				933	CIS							40	2	30	
S				940	FR	Z									R region 94.0 - 107.3 (minor "S" sym.)
S				975	IS							65	2	30	
S				1020	IS							52	2	30	
S				1073	FR	R									S region 107.3 - 110.4
S				1108	CIS							67	2	30	
S				1110	FR	S									R region 110.4 - 123.3
S				1128	IS							40	2	30	
S				1177	IS							50	2	30	
S				1214	IS							53	2	30	
S				1233	FR	R									S region 123.3 - 131.4
S				1265	CIS							60	2	30	



Core Code	From <i>m</i>		To <i>m</i>		Sample No.	Description				
	10	14	16	20		22	27	REC.	LENGTH	UNIT
P	100	100	130	130	121102			2.4	3.0	
P	130	130	161	161	121103			2.7	3.1	
P	161	161	191	191	121104			2.4	3.0	
P	191	191	122	122	121105			3.0	3.1	
P	122	122	152	152	121106			1.7	3.0	
P	152	152	183	183	112107			3.0	3.1	
P	183	183	213	213	112108			3.0	3.0	
P	213	213	244	244	112109			2.8	3.1	
P	244	244	274	274	112110			2.7	3.0	
P	274	274	305	305	112111			3.1	3.1	
P	305	305	320	320	112112			1.5	1.5	
P	320	320	335	335	112113			1.5	1.5	
P	335	335	354	354	112114			1.8	1.9	
P	354	354	374	374	112115			2.0	2.0	
P	400	400	411	411	121116			0.6	1.1	
P	411	411	427	427	121117			0.9	1.6	
P	427	427	457	457	121118			2.5	3.0	
P	457	457	472	472	121119			1.3	1.5	
P	472	472	488	488	12120			0.8	1.6	
P	488	488	503	503	12121			0.4	1.5	
P	503	503	518	518	12122			0.8	1.5	
P	518	518	549	549	12123			3.0	3.1	
P	549	549	579	579	12124			2.9	3.0	
P	625	625	655	655	12125			3.0	3.0	
P	655	655	671	671	12126			1.6	1.6	
P	671	671	687	687	12127			1.6	1.6	
P	697	697	712	712	12128			1.5	1.5	
P	941	941	960	960	12129			1.9	1.9	
P	960	960	975	975	12130			1.5	1.5	
P	975	975	991	991	12131			1.6	1.6	
P	991	991	1006	1006	12132			1.5	1.5	
P	1006	1006	1021	1021	12133			1.5	1.5	



Section 74W Logged 1980, checked for sampling 1981

DDH 76-14054 Cyprus Anvil Mining Corp

Page \_\_\_\_\_ of \_\_\_\_\_  
 Logged by JTH; checked JSM  
 Sampled by \_\_\_\_\_

ASSAY LOG (SAMPLER'S COPY) Date 8/81

CODE	FROM				TO				SAMPLE	INTR.	REC (m)		UNIT	DESCRIPTION
	1	10	14	16	20	22	26	28			30	32		
P		100			120	1951815	120	115	14A101				±1 ±3	#1
P		120			140	1951816	120	119					"	"
P		140			160	1951817	120	117					"	"
P		160			180	1951818	120	116					"	"
P		180			100	1951819	120	120					"	"
P		100			120	1951910	120	120					"	"
P		120			152	1951911	132	121					"	"
P		152			168	1951912	116	116					"	"
P		168			182	1951913	114	114	14A101				Bxia	#2
P		182			198	1951914	116	116	14A141				(4E4)(4D45)	#3
P		198			213	1951915	115	115					"	"
P		213			233	1951916	120	119					"	"
P		233			253	1951917	120	120					"	"
P		253			273	1951918	120	118					"	"
P		273			293	1951919	120	120					"	"
P		293			309	1961010	116	116					"	"
P		309			325	1961011	116	115					"	"
P		325			329	1961012	114	114					"	"
P		339			349	1961013	110	109	14D101				sericitic	#4
P		349			356	1961014	107	107	14A141				(4DE45)	#5
P		356			372	1961015	116	116	14D101				sericitic (SD4*)	#6
P		372			400								No sample 0% bxia, rubble	#7,8
P		400			420	1961016	120	112	14A141				bxia, rubble	#9
P		420			443	1961017	123	115	14C101				sericitic [4L12±4] (400bxia)	#10
P		443			459	1961018	116	116					"	"
P		459			472	1961019	113	109	14A101				bxia	#11
P		472			513	196110	141	116	14A101				Pool rec'vy (4E0?)	#12
P		513			533	196111	120	120	14A141				c+phyl (342)(4E4)(bxia)	#13
P		533			554	196112	121	121					"	"
P		554			561	196113	107	106	15SD4*					#14
P		561			579	196114	118	118	14A111					#15
P		579			599	196115	120	107					"	"
P		599			619	196116	120	120					"	"
P		619			625	196117	116	109					"	"
P		625			634	196118	109	108	14L112				±4	#16
P		634			654	196119	120	120	14A114				phyl+c (±342)	#17

meters

ASSAY LOG (SAMPLER'S COPY) Date \_\_\_\_\_

CODE	FROM				TO				SAMPLE				INTR.				REC (m)				UNIT				DESCRIPTION		
	10	14	16	20	22	26	28	30	32	34	36	40	42	10	14	16	20	22	26	28	30	32	34	36		40	42
D		1654		1671		96210		117		117																"	"
F		1671		1687		96211		116		116																"	"
F		1687		1696																						No sample	0% #18
D		1696		1702		96212		106		106																sericitic	#19
F		1702		1705		96213		103		103																15C14*	#20
F		1705		1712		96214		107		107																14A10 (4E4)	#21
D		1940		1947		96215		107		107																14A11H phyllitic	#24
F		1947		1967		96216		120		118																14D10 [4L124]	#25
D		1967		1987		96217		120		120																"	"
D		1987		10106		96218		119		119																"	"
F		10106		10118		96219		112		112																"	"
F		10118		10133		96310		115		115																14A11H phyll (4DD ser)	#26
F		10133		10148		96311		115		115																"	"
D		10148		10166		96312		118		118																14D10	#27
F		1066		10173		96313		107		107																15D14*	#28
F		10173		10191		96314		118		118																14A10 (4C0)	#29
D		11152		11163		96315		111		111																14B10	#34
F		11163		11170		96316		107		107																15D16 +stds	#35



# DIAMOND DRILL RECORD

LOGGED BY Glenn Jeter

D.D.H. No 76 U-54 PAGE 1/7

PROPERTY Grum Joint Venture (Underground)

LATITUDE 10829.438 6N STARTED March 29/76

DEPARTURE 7645.418 74W COMPLETED April 2/76

ELEVATION 1148.115 m PROPOSED DEPTH \_\_\_\_\_  
ULTIMATE DEPTH 150.9

HOLE SURVEY:		
DEPTH	BEARING	DIP
collar	33° 2' 15"	+60°
10' (21.5')	034	+62°
20' (41.0')	033	+64°
30' (61.5')	021	+61°
40' (82.0')	007	+72°



CLAIM No \_\_\_\_\_  
DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay			Assay 2			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
0	37.4	Quartz Sulphide with Graphite and Sericite dark grey, med. fine foliation $F_2 = 70^\circ \pm 10^\circ$ ; $F_1$ generally distinct @ $90^\circ$ to $F_2$ , drag folded and offset along $F_2$ ; fracturing common @ $10^\circ, 70^\circ, 20^\circ, 40^\circ$ and common parting along $F_2$ av. 4cm interval; graphite 10-15%, sericite locally +10%, sulphides 20-25% as bands and dis. in ptz bands following either $F_1$ or $F_2$ , details;												
	0-3.0	as above competent, $P_{y18}, P_{62m3}$	2.4/3.0	2102	0	3.0	3.0	1.53	3.55	36.34		5.00	10.65	107.02
	3.0-6.1	" " competent $P_{y15}, P_{62m3}$	2.7/3.1	03	3.0	6.1	3.1	1.80	3.10	40.46		5.58	11.61	125.424
	6.1-9.1	as above, sericite phyllite 6.1-6.2 $P_{y15}, P_{62m4}$	2.4/3.0	04	6.1	9.1	3.0	1.66	4.58	34.29		4.45	19.74	102.82
	9.1-12.2	as above, competent $P_{y18}, P_{62m3}$	2.0/3.1	05	9.1	12.2	3.1	2.48	4.80	50.40		7.655	14.88	56.20
	12.2-15.2	as above, fractured broken 12.3-12.5, 13.0-14.0 $P_{y18}, P_{62m2}$	(1.2)/3.0	06	12.2	15.2	3.0	1.88	3.15	27.43		6.64	9.25	22.85
	15.2-18.3	as above, breccia 16.9-17.5 fragments [ $P_{y18}, P_{62m4}$ ] of host av. 0.2cm range taken in sericite rich matrix	3.0/3.1	1207	15.2	18.3	3.1	1.35	1.15	29.14		4.19	6.05	91.33





LOGGED BY SS

D.D.H. NO 11-54 PAGE 4/7

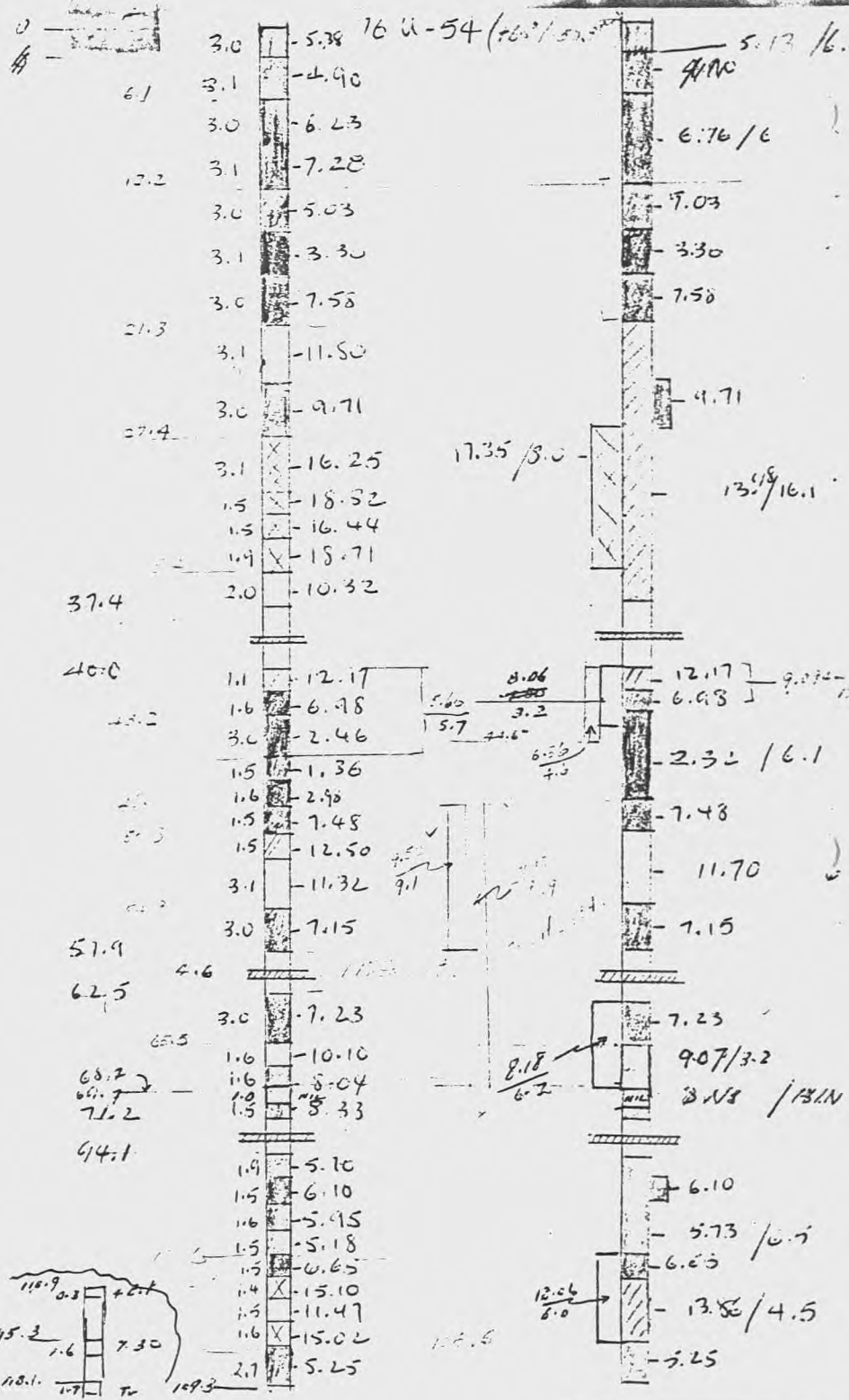
Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay 2					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
	69.7-71.2	gfk sulphides competent $P_{x20}, Pb_{20}S$ kaolin fush alt. 70.2-70.5	1.5/1.5	2120	69.7	71.2	1.5	2.95	5.38	45.26								
71.2	94.1	Sericite Graphite Phyllite dark grey-black, well foliated $F_2 = 80 \pm 5^\circ$ $F_1$ rarely distinct, @ $90^\circ$ to $F_2$ (71.6-72.0, $F_2 = 30^\circ$ ) $\wedge$ , generally competent minor fracturing @ $0^\circ$ , common parting along $F_2$ on 3cm interval, sheared 72.8-73.1 + traces of sulphide locally on $F_2$ faces, graphite 20 $\pm$ 5%, second contact kaolin fush alt zone @ $85^\circ$ 10cm wide	20.8/22.9															
								3.25	4.81	49.46			0.428	15.232	157.232			
								2.52	1.84	17.44			5.242	5.705	26.705			
								0.56	1.46	17.44			1.502	26.262	236.262			
								1.02	1.66	51.32			1.502	26.262	236.262			
								2.53	5.35	42.23			1.506	35.154	261.82			
								2.97	6.10	43.88			0.52	10.504	46.452			
								3.33	6.17	52.1			30.34	56.7	474.20			
94.1	109.3	Quartz Sulphide with Sericite Pale green, poor foliation $F_2 = 80 \pm 10^\circ$ , $F_1$ rarely distinct @ $90^\circ$ to $F_2$ , competent, massive fract. @ $15^\circ$ common with sulphide filling; siliceous, sulphides 20 $\pm$ 5% as bands and stringer-disseminate parallel $F_2$ with 2% py throughout (assoc. with py rich bands) also traces of mag, detrital;																
	94.1-96.0	as above $P_{y15}, Pb_{20}G$	1.9/1.9	2129	94.1	96.0	1.9	2.20	3.50	44.23			0.17	6.68	50.03			
	96.0-97.5	" " $P_{y12}, Pb_{20}S$	1.5/1.5	30	96.0	97.5	1.5	2.30	3.90	43.20			3.45	5.70	60.70			
	97.5-99.1	" " $P_{x10}, Pb_{20}S$	1.6/1.6	31	97.5	99.1	1.6	1.85	4.10	35.31			2.06	6.56	58.46			



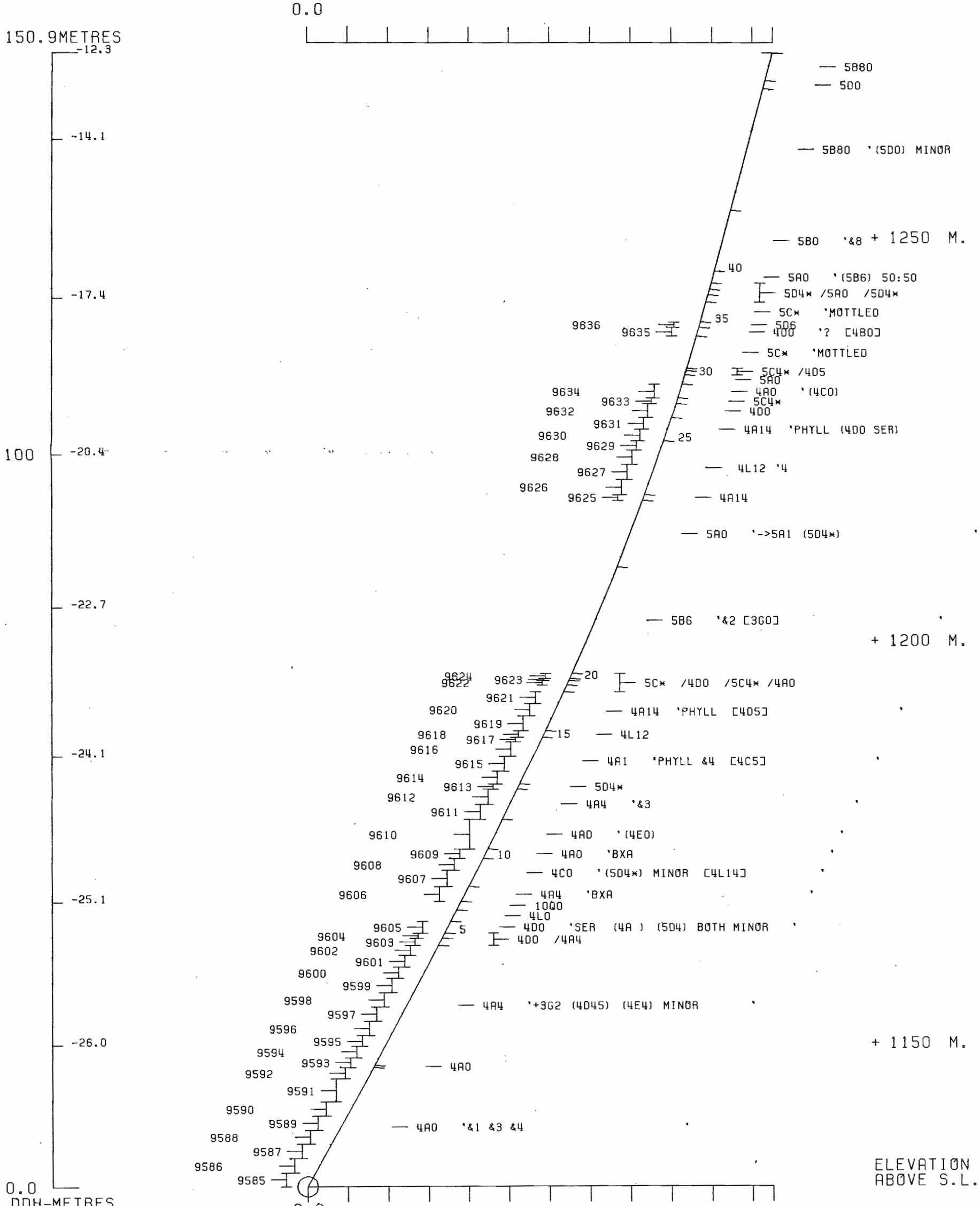
LOGGED BY 53D.D.H. NO U-54PAGE 6/7

Interval		DESCRIPTION	Recovery	Sample NO	Interval		Sample Length	Assay					Assay 2			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		115.3-116.9 gtz sulphide with sericite Py 15, Pb 2.4 and 1% po competent siliceous	1.6/1.6	2138	115.3	116.9	1.6	1.90	5.40	36.34						
		116.9-118.1 bleached phyllite chloritic														
		118.1-120.4 bleached phyllite with kaolin traces of fuchsite, 5% sulphide														
		118.9-119.4, (po-pp 2 sphgal).														
120.4	123.7	Sericite Graphite Phyllite grey black, well fol. $F_2 = 85^\circ$ , fracturing @ $20^\circ$ common parting along $F_2$ av 2cm interval; with 2% sulphide as disc. in gtz rich bands, 121.6-121.8 - 10% po, <u>slanted</u> phyllite 120.6-120.7; second contact @ $80^\circ$	3.0/3.3													
123.7	105.9	Chlorite Calcite $\pm$ Sericite Phyllite dark grey-green, well foliated $F_2 = 85^\circ$ , $F_1$ locally evident @ $90^\circ$ to $F_2$ , offset and drag folded; minor fracturing @ $10^\circ$ , common parting ca $F_2$ av 2cm interval, generally competent, Calcite av 10-15% details,														
		123.7-131.0 Sericite Chlorite Calcite Phyllite	5.3/7.3													
		131.0-136.5 Chlorite Calcite Phyllite locally minor sericite	5.2/5.5													
		136.5-146.0 Chlorite Sericite Calcite Phyllite	9.0/9.5													

mistake @ 126.5 and 128.0

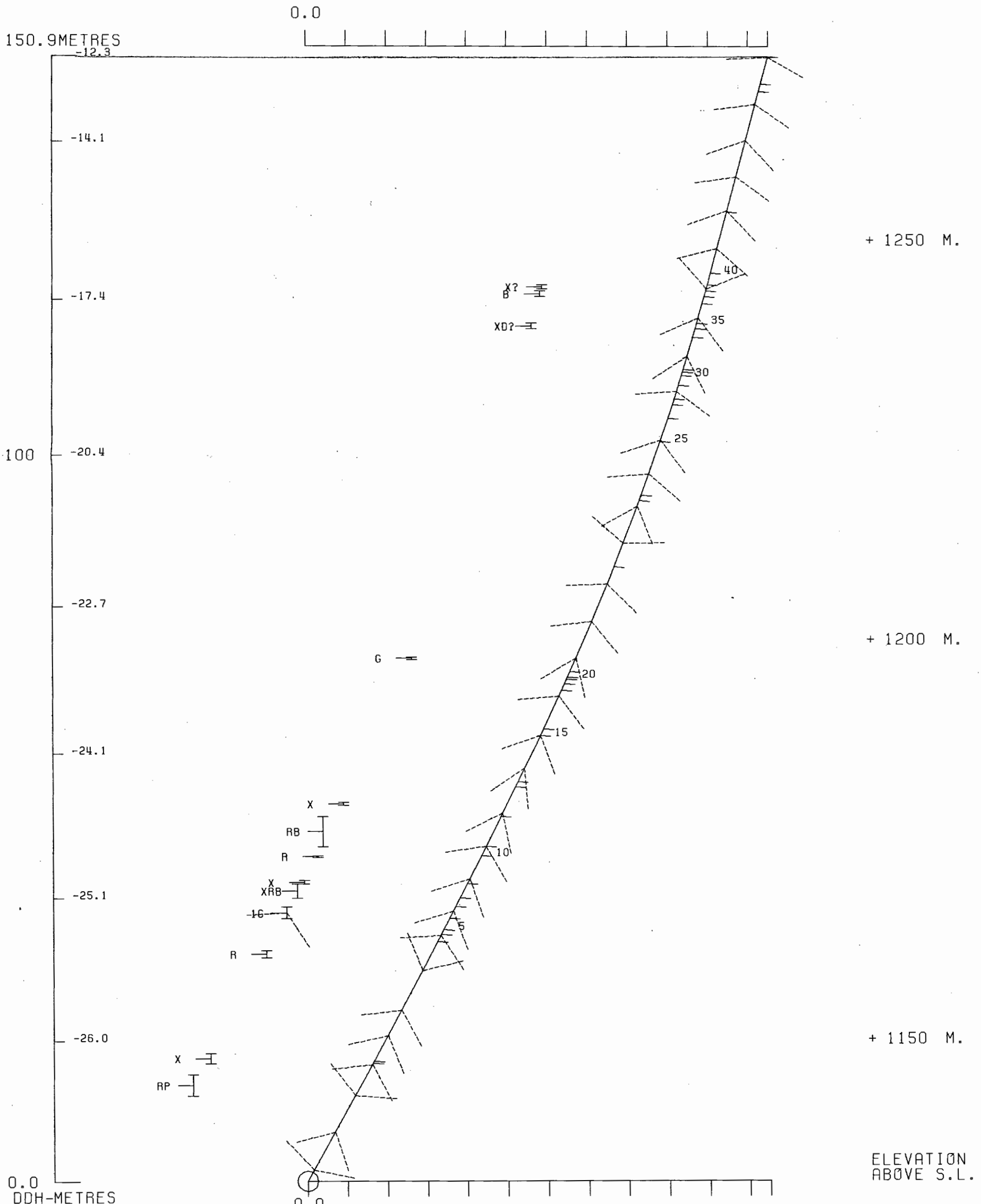






DDH: FAGU054 -- 42 DEGREE PROFILE  
 ( VIEW AZIMUTH = 312 DEGREES )

ELEV:1138      592337E ; 905037N  
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0  
 CORRECTED COLLAR POSITION: X = 554.0    Z = 1132.2  
 SECTION NAME: 75W



DDH: FAGU054 -- 42 DEGREE PROFILE  
 ( VIEW AZIMUTH = 312 DEGREES )  
 ELEV: 1138      592337E ; 905037N  
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0  
 CORRECTED COLLAR POSITION: X = 554.0 Z = 1132.2  
 SECTION NAME: 75W

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: 55  
NOS DOWN-H-STRUCTURE: 19  
NOS DOWN-H-FAULTS: 4  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

25NOV83 GRUM

## ORE SAMPLES &amp; ASSAYS (DHO20)

PAGE: 2

GDH: FAGUC65 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 %	PE %	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 %
.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	12083	2.1	1.7	4EG4	4.66	.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	5D4G	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	43.7	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					
75.1	78.5	12104	2.4	2.3	4G4H	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	4G4H	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	4G0H	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	4G4H	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	1.3	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	93.7	12115	3.7	2.7	4GE4	4.61	.05	5.90	6.50	103.00		.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	2.32	44.92		.68	4	18	23					
47.2	43.7		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 (DMO2C)

PAGE: 3

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	ZENITH	AZIMUTH
0.000	67.100	176.400

25NOV83 GRUM

## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 4

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 OHM 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	PCROUS 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	5D4B	TALC	0.5-	1
45.7	0025	4L24	2	0.5-	1
47.2	0026	5D0	(5D4B) 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
73.3	0032	4LC		0.5-	1
73.8	0033	4E4	PCROUS #	0.5-	1
76.1	0034	4E4B	(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	5D4B		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	4G4#		0.5-	1
87.5	0045	4L2	33 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 (DHO20)

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 DIP: 230 PLUNGE ANGLES: 11 312 DHO 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	4G4H		0.5-	1

25NOV83 GRUM

DOWN-HOLE STRUCTURE (DHQ20)

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

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	C		1	1	1
FAGU066	0.0	4.0	CS2	P	0	0	0	0	50	230	C		1	1	1
FAGU066	0.0	7.5	CS2	P	0	0	0	0	30	230	C		1	1	1
FAGU066	0.0	10.0	CS2	P	0	0	0	0	30	230	C		1	1	1
FAGU066	0.0	14.0	CS2	P	0	0	0	0	40	230	C		1	1	1
FAGU066	0.0	22.0	CS2	P	0	0	0	0	40	230	C		1	1	1
FAGU066	0.0	28.7	CS2	P	0	0	0	0	25	230	C		1	1	1
FAGU066	0.0	33.7	CS2	Z	0	0	20	180	40	230	C		1	1	1
FAGU066	0.0	42.6	CS2	P	0	0	0	0	50	230	C		1	1	1
FAGU066	0.0	48.0	CS2	P	0	0	0	0	20	230	C		1	1	1
FAGU066	0.0	54.5	PS2	P	0	0	0	0	30	230	C		1	1	1
FAGU066	0.0	61.0	CS2	P	0	0	0	0	50	230	C		1	1	1
FAGU066	0.0	64.0	CS2	S	0	0	10	0	40	230	C		1	1	1
FAGU066	0.0	74.0	CS2	P	0	0	0	0	20	230	C		1	1	1
FAGU066	0.0	79.0	CS2	P	0	0	0	0	10	230	C		1	1	1
FAGU066	0.0	86.6	CS2	P	0	0	0	0	20	230	C		1	1	1
FAGU066	0.0	92.0	CS2	P	0	0	0	0	40	230	C		1	1	1
FAGU066	0.0	96.0	CS2	P	0	0	0	0	65	230	C		1	1	1
FAGU066	0.0	97.5	CS2	P	0	0	0	0	60	230	C		1	1	1

25NOV83 GRUM

DOWN-HOLE FAULTS (DHC20)

PAGE: 7

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	0	1
FAGUC66	15.7	17.3	RB				0	0	0	0	1
FAGUG66	26.6	34.4	GJ				0	0	0	0	1
FAGUG66	80.7	83.2	RB				0	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: 52 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 78 W ? WHERE IS THE  
TILING

CYPRUS ANVIL MINING CORPORATION

Page 1 of 6

DIAMOND DRILL CORE LOG

Date: 22 SEP 81

Hole Number: FAGU 066

Reference Fabric Orientation Diagram:

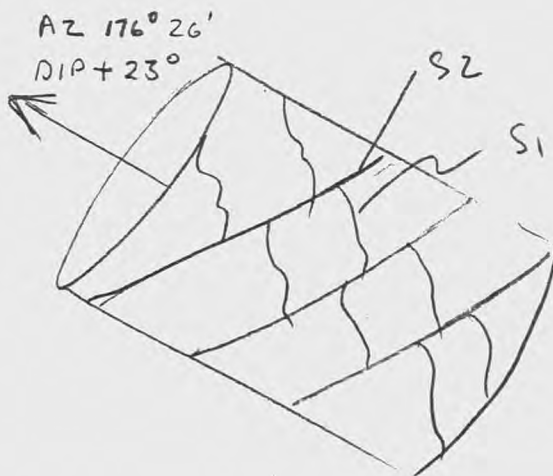
Project: GRUN. RELOG 81

Location: 76W

Claim:  
U.T.M.  
Ferr. Plane  
Co-ords.: 905002.3 N

592229.4 E

Grid  
Co-ords:



All symmetry determinations looking

Elevation: 1126.3 m.

NW with S2 dipping

Total Depth: 99.0 m.

SW with dip azimuth 230.

Purpose: Grun. 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>	<u>      </u>

Hole  
Cemented:

Steel down  
hole:

Started: 19 APR 76 Completed: 20 APR 76



Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		10	0		13	4				101	4E4	Buckshot
L		13	4		17	3				102	4E4	
L		17	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 Bh. Core
L		17	3		18	4				110	4A19	PJ.
L		18	4		19	4				111	5D4*	ANK/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		31	4				118	5A6	(5A3) gv. fin veins
L		31	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*	ANK TACC
L		42	4		45	7				125	4L2.4	
L		45	7		47	2				126	5D3	(5D4*) lost - 8 ANK.
L		47	2		48	4				127	4E8	
L		48	4		61	4				128	4L2	(4L2/4)
L		61	4		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	4E0.4	(4K0) ANK. patchy
L		76	1		78	5				135	4G4*	CALC
L		78	5		80	7				136	4G4	





ASSAY LOG (SAMPLER'S COPY)

Date 22 SEP

Sampled by \_\_\_\_\_

I	FROM				TO				SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10	14	16	20	22	26	28	30					
P	100		120		12083	120	116	14E41	Buchel				
P	120		134		12084	114	110	14E41					
P	134		154		12085	120	120	14E41					
P	154		173		12086	119	116	14E41					
P	173		193		12087	120	120	14E41					
P	193		114		12088	121	117	14E41					
P	114		139		12089	125	120	14G41					
P	1139		1159		12090	120	114	14E41	(4G4)				
P	1159		1167		12091	110	109	14A101	(2L0)				
P	1167		1184		12092	117	107	14G41	(4E)				
P	1184		1194		12093	110	109	15D14					
P	1194		1205		12094	111	109	14E41					
P	1205		1220		12095	115	115	14E41	(4G4)				
P	1220		1234		12096	114	113	14G41					
P	1234		1259		12097	125	125	14E41					
P	1392		1413		12098	129	115	14E41					
P	1413		1457		12099	144	142	14L121	(504)				
P	1472		1487		12100	115	111	14E181					
P	1716		1726		12101	110	110	14E101					
P	1726		1733		12102	107	105	14L01					
P	1733		1761		12103	128	120	14E104	(4E4)				
P	1761		1785		12104	124	123	14G41*	CALC				
P	1785		1807		12105	122	122	14G41					
P	1807		1832		12106	125	120	14G41*					
P	1832		1855		12107	123	111	14L101	(4E)				
P	1855		1868		12108	113	113	14G41 <sup>04</sup>					
P	1868		1875		12109	109	106	14L1812	(4G4) mm ✓				
P	1875		1888		12110	113	113	14G41	✓				
P	1888		1895		12111	107	105	14L1413					
P	1895		1913		12112	118	118	14G41					
P	1913		1931		12113	118	104	14G41					
P	1931		1950		12114	119	119	15D14					
P	1950		1987		12115	127	127	14G41	END SAMPLING.				



# DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

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

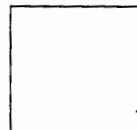
PROPERTY GRUM JOINT VENTURE

LATITUDE 10797.703 N 2<sup>N</sup>+19.8<sup>m</sup>N STARTED APRIL 19, 1976

DEPARTURE 7536.365 E 76<sup>W</sup> 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. Crytoxline 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, fissile and a little clayey but not gougy. Foliations are intricate. F <sub>2</sub> =50° while F <sub>1</sub> =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			15.18	20.28	214.98
			75	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			8.844	17.001	144.111



LOGGED BY \_\_\_\_\_

D.D.H. NO 76-166

PAGE 3

Interval		DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval		Sample Length	Assay					Assay 2			
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		Light buff colour with greenish tint. Foliation 35-40° (F <sub>1</sub> ).																
		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 Py=Po/Mgtt-Py=30°. Calcite associated as included gangue in groundmass.	75	6	1.5/1.5	2395	47.2	48.7	1.5	2.35	1.68	30.17						
		48.5: Sudden change to bleached phyllite. Broken ground.																
48.5	71.6	BLEACHED SERICITE PHYLITE (Sb). Competent. Buff with 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 <sub>2</sub> = 45°. 65.5: FAULT. Thick, gray clay with qtz. pebbles (=10c) 71.6: Clean direct contact with MASSIVE SULFIDE-25°.			21.0/23.1		48.5	71.6	23.1									
			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- vening gaps of bleached phyllite within the zone. Foliation completely obliterated. Compositional bands=15° gradually changing to =60°, towards 80.7m until end of run. Barite prisms in cavity walls. Opalline silica as amygdaloidal fills.	70	8	1.0/1.5	2397	73.1	74.6	1.5	3.98	4.85	60.34						
			75	10	1.5/1.5	2398	74.6	76.2	1.6	2.08	1.55	37.37						
			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	
			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	
			75	15	1.5/1.5	2401	79.2	80.7	1.5	6.55	8.07	80.57			9.825	12.105	120.555	
			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						

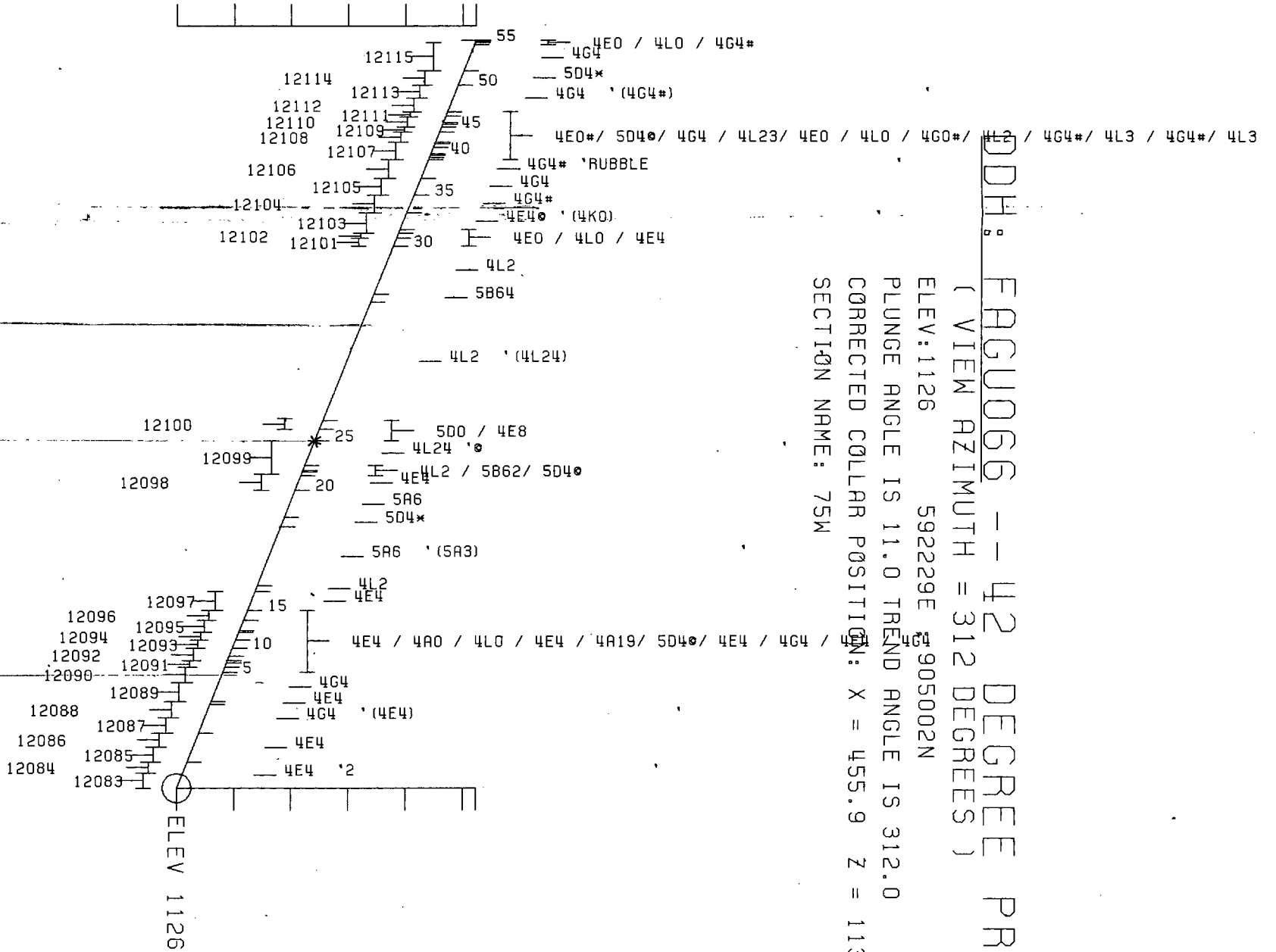




CYPRUS ANVIL MINING CORPORATION  
PROGRAM DH162 16 OCT 1985 1:34 PM

99.0 METRES

-34.2  
-22.0  
-10.0  
0.0  
3.7  
16.6  
20.0  
0.0  
29.4  
DDH-METRES



DDH: FAGU066 -- 42 DEGREE PROFILE  
( VIEW AZIMUTH = 312 DEGREES )  
ELEV: 1126 592229E 905002N  
PLUNGE ANGLE IS 11.0 TEND ANGLE IS 312.0  
CORRECTED COLLAR POSITION: X = 455.9 Z = 1132.0  
SECTION NAME: 75W

DDH: FAGU066 -- 42 DEGREE PROFILE  
 ( VIEW AZIMUTH = 312 DEGREES )

ELEV:1126 592229E ; 905002N

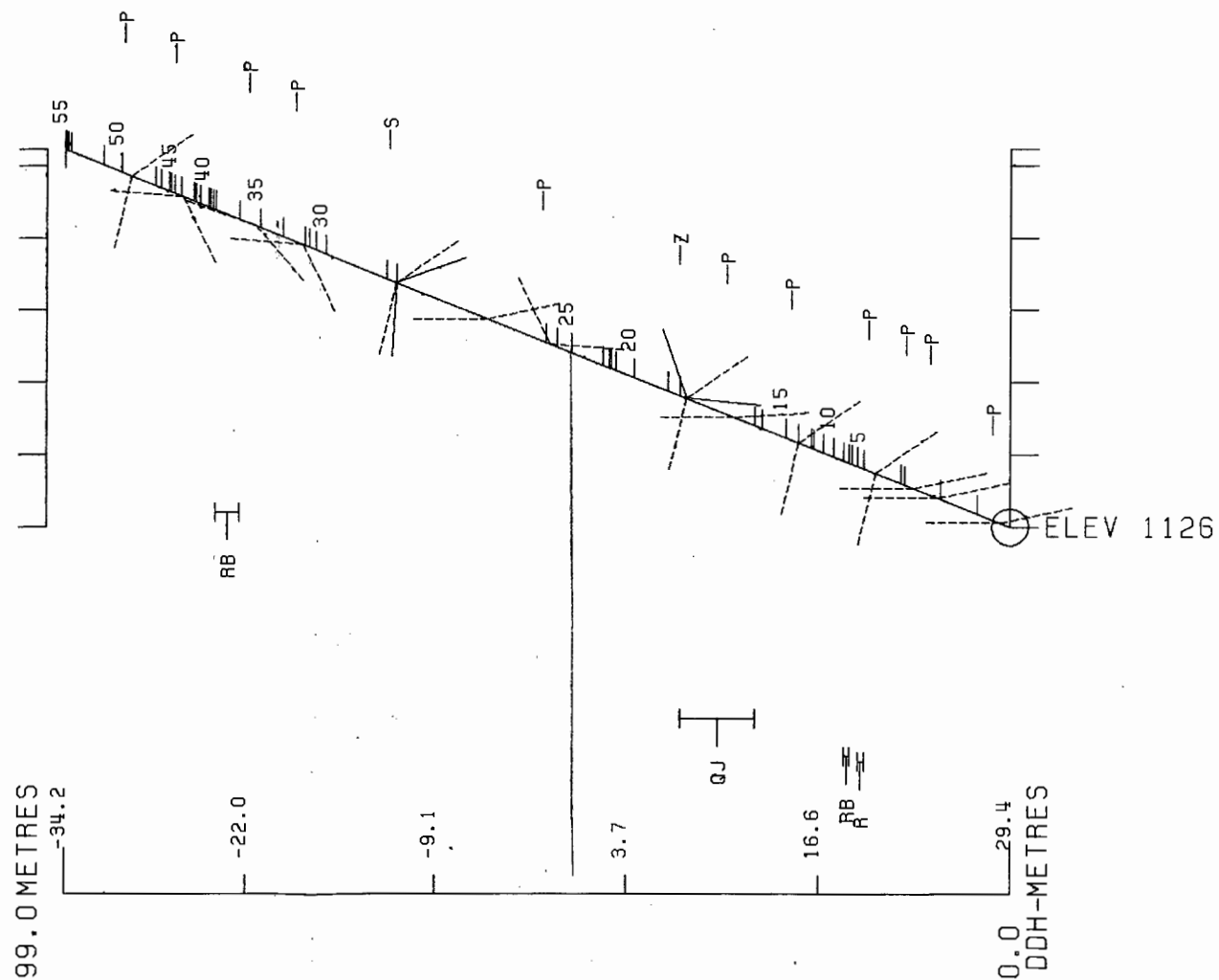
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 455.9 Z = 1132.0

SECTION NAME: 75W



CYPRUS ANVIL MINING CORPORATION  
 PROGRAM DH161 16 OCT 1985 1:35 PM



# DDH: FAGA068 -- 42 DEGREE PROFILE

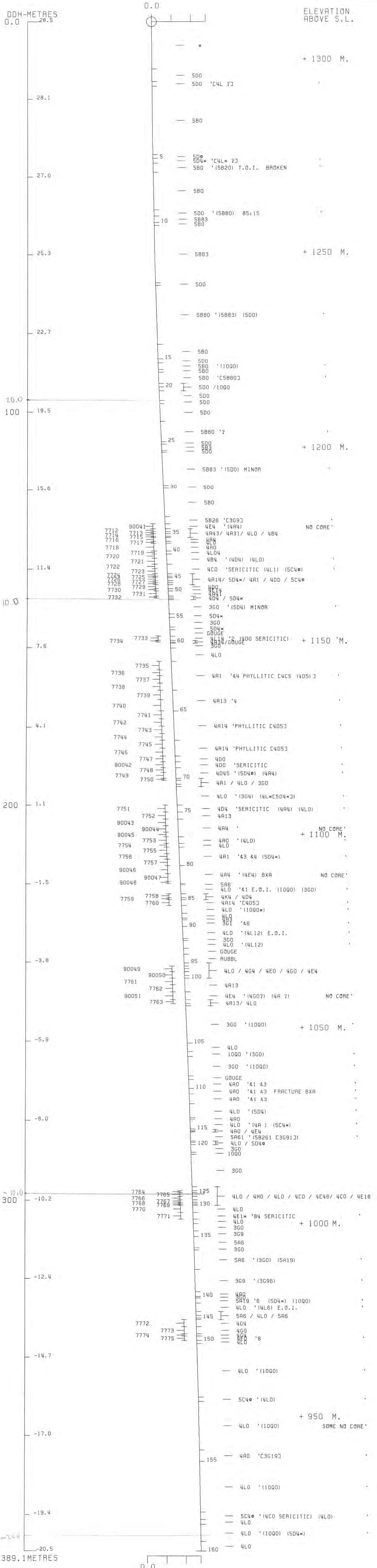
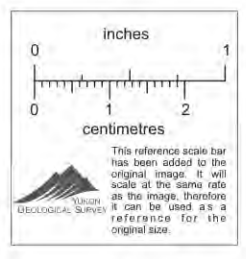
( VIEW AZIMUTH = 312 DEGREES )

ELEV:1304 592298E ; 905077N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 557.3 Z = 1309.6

SECTION NAME: 75W



# DDH: FAGA068 -- 42 DEGREE PROFILE

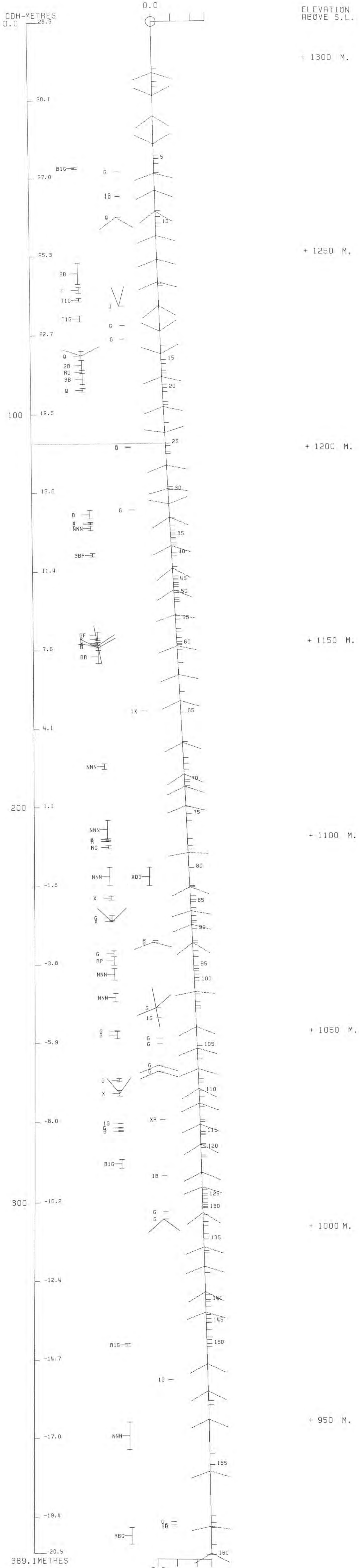
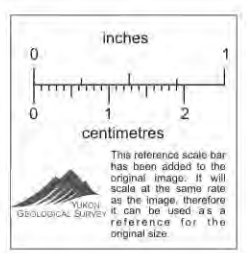
( VIEW AZIMUTH = 312 DEGREES )

ELEV: 1304 592298E ; 905077N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

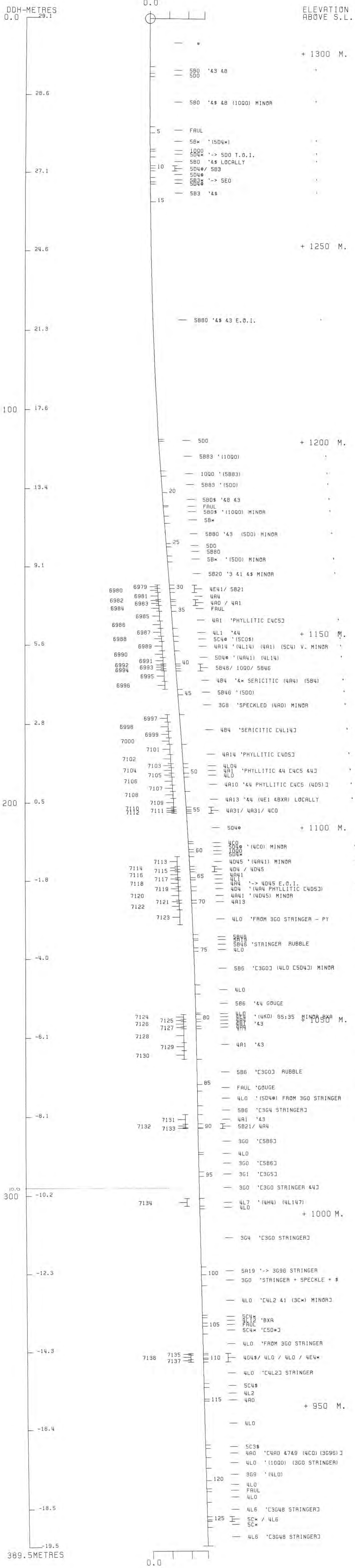
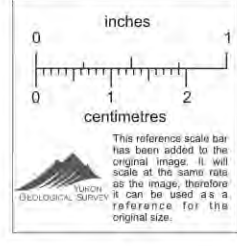
CORRECTED COLLAR POSITION: X = 557.3 Z = 1309.6

SECTION NAME: 75W



# DDH: FAGA030 -- 42 DEGREE PROFILE

( VIEW AZIMUTH = 312 DEGREES )  
 ELEV:1303 592270E ; 905047N  
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0  
 CORRECTED COLLAR POSITION: X = 516.2 Z = 1308.9  
 SECTION NAME: 75W



# DDH: FAGA030 -- 42 DEGREE PROFILE

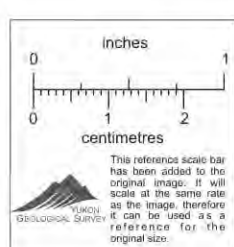
( VIEW AZIMUTH = 312 DEGREES )

ELEV: 1303      592270E ; 905047N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 516.2 Z = 1308.9

SECTION NAME: 75W



ELEVATION ABOVE S.L.

+ 1300 M.

+ 1250 M.

+ 1200 M.

+ 1150 M.

+ 1100 M.

+ 1050 M.

+ 1000 M.

+ 950 M.

