

Grum  
Section  
01S, 03S

014978

SECTION 01S

FAGA157

## GRUM DATABASE - QUIZ REPORT

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84/1C/16

DDM	SAMPLE	---DEPTHS---		INT REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PC+PY	ZN
		FROM	TO	M X	UNIT		%	%	%	G/MT	G/MT	%	%	%	%	%	RATIO
	9296	32.7	33.3	.6	100	4E#4	4.20	.15	3.90	3.20	62.0	.07	3.76	26.40	7.10	30.16	.45
	9297	33.3	34.1	.8	100	4Q8	3.41	.07	2.50	2.30	45.0	.07	12.10	7.00	4.80	19.10	.48
	9C154	67.6	7C.7	3.1	19	4LEA			1.00	.60	13.0				1.60		.38
	9299	70.9	72.6	1.7	100	4CL#	3.71	.25	1.07	1.10	25.0	.55	5.05	21.40	2.17	26.45	.51
	9300	72.6	74.6	2.0	100	4C3	4.18	.15	2.30	.77	34.0	.96	3.52	29.30	3.07	32.82	.25
	9451	74.6	76.6	2.0	80	4E4	4.45	.30	2.50	2.70	37.0	.82	2.64	33.20	5.20	35.84	.52
	9452	76.6	78.0	1.4	100	4L0	3.15	.07	.69	.91	11.0	.21	3.15	5.90	1.60	9.05	.57
	9453	104.6	105.8	1.2	58	4E1		.40	.93	.61	23.0				1.54		.40
	9454	105.8	107.7	1.9	53	4E1		.35	.17	.28	15.0				.45		.62
	9455	108.8	110.3	1.5	87	4A3		.27	.13	.19	12.0				.32		.59
	9456	110.3	111.9	1.6	88	4A3		.13	.13	.17	12.0				.30		.57
	9457	111.9	113.7	1.8	94	4A3		.13	.15	.16	12.0				.31		.52
	9458	113.7	115.5	1.8	100	4A3		.40	.21	.44	17.0				.65		.68
	9459	115.5	116.5	1.0	100	4A3		.42	.14	.21	15.0				.35		.60
	9460	116.5	118.0	1.5	100	4C3		.37	.14	.22	16.0				.36		.61
	9461	118.0	119.3	1.3	100	4C3	3.95	.17	1.82	3.50	40.0	.89	1.75	25.40	5.32	27.15	.66
	9462	119.3	119.8	.5	100	4E4#	4.19	.20	7.60	7.20	100.0	.89	1.85	23.20	14.80	25.05	.49
	9463	119.8	120.8	1.0	100	4E4#	4.89	.19	12.40	10.90	150.0	2.13	3.52	23.90	23.30	27.42	.47
	9464	120.8	122.6	1.8	94	4C#	3.55	.35	1.61	1.26	30.0	.41	5.37	15.30	2.87	20.67	.44

84/10/16

## GRUM DATABASE - QUIZ REPORT

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DDH	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %					OTHER	*	CPY	NORMATIVE MINERALS - VOLUME %				OTHER
				GA	SP	PO	PY	BAR				GA	SP	PO	PY	
FAGA157	9296	4E#4	.43	4.50	4.77	5.91	56.77		27.61	*	.42	2.44	4.85	5.23	46.20	40.85
	9297	4CB	.20	2.89	3.43	19.03	15.05		59.40	*	.16	1.28	2.85	13.77	10.02	71.91
	90154	4LEA		1.15	.89				97.95	*						
	9299	4CL#	.72	1.24	1.64	7.94	46.02		42.44	*	.63	.61	1.51	6.37	33.95	56.93
	9300	4C3	.43	2.66	1.15	5.54	63.01		27.22	*	.42	1.45	1.17	4.92	51.55	40.48
	9451	4E4	.87	2.89	4.03	4.15	71.40		16.67	*	.90	1.69	4.41	3.95	62.51	26.54
	9452	4L0	.20	.80	1.36	4.95	12.69		80.00	*	.15	.32	1.02	3.24	7.64	87.63
	9453	4E1	1.16	1.07	.91				96.86	*						
	9454	4E1	1.01	.20	.42				98.37	*						
	9455	4A3	.78	.15	.28				98.79	*						
	9456	4A3	.38	.15	.25				99.22	*						
	9457	4A3	.38	.17	.24				99.21	*						
	9458	4A3	1.16	.24	.66				97.95	*						
	9459	4A3	1.21	.16	.31				98.31	*						
	9460	4C3	1.07	.16	.33				92.44	*						
	9461	4C3	.49	2.10	5.22	2.75	54.62		34.81	*	.45	1.08	5.04	2.31	42.21	48.91
	9462	4E4#	.58	8.78	10.73	2.91	49.89		27.11	*	.56	4.78	10.97	2.59	40.79	40.30
	9463	4E4#	.55	14.32	16.25	5.54	51.40		11.95	*	.60	8.71	18.52	5.49	46.87	19.81
	9464	4CW	1.01	1.86	1.88	8.45	32.90		53.90	*	.83	.86	1.62	6.34	22.71	67.65

DRILL HOLE : FAGA157  
NORTHING : 904,715.7  
EASTING : 592,378.1  
ELEVATION : 1,273.9  
TOTAL DEPTH : 155.4  
SECTION : W 66  
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: 19  
NOS DOWN-H-SURVEYS: 3  
NOS DOWN-H-LITHOLOGY: 42  
NOS DOWN-H-STRUCTURE: 40  
NOS DOWN-H-FAULTS: 9  
NOS DOWN-H-SPLINES: 3  
NOS COMPOSITES: 0

DDH: FAGA157 UTM-N: 9C4,715.7 UTM-E: 592,378.1 UTM-ELEV: 1,273.9 TOTAL DEPTH: 155.4 SECTION: W 66  
 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	-----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 %
32.7	33.3	09296	.6	.6 4E#4	4.20	.15	3.90	3.20	62.00		.07	3	26	30					
33.3	34.1	09297	.8	.8 4Q@	3.41	.07	2.50	2.30	45.00		.07	12	7	19					
67.6	70.7	9C154	3.1	.6 4LEA			1.00	.60		13.00									
70.9	72.6	09299	1.7	1.7 4CL#	3.71	.25	1.07	1.10	25.00		.55	5	21	26					
72.6	74.6	09300	2.0	2.0 4C3	4.18	.15	2.30	.77	34.00		.96	3	29	32					
74.6	76.6	09451	2.0	1.6 4E4	4.45	.30	2.50	2.70	37.00		.82	2	33	35					
76.6	78.0	09452	1.4	1.4 4LO	3.15	.07	.69	.91	11.00		.21	3	5	9					
104.6	105.8	09453	1.2	.7 4E1		.40	.93	.61	23.00										
105.8	107.7	09454	1.9	1.0 4E1		.35	.17	.28	15.00										
108.8	110.3	09455	1.5	1.3 4A3		.27	.13	.19	12.00										
110.3	111.9	09456	1.6	1.4 4A3		.13	.13	.17	12.00										
111.9	113.7	09457	1.8	1.7 4A3		.13	.15	.16	12.00										
113.7	115.5	09458	1.8	1.8 4A3		.40	.21	.44	17.00										
115.5	116.5	09459	1.0	1.0 4A3		.42	.14	.21	15.00										
116.5	118.0	09460	1.5	1.5 4C3		.37	.14	.22	16.00										
118.0	119.3	09461	1.3	1.3 4C3	3.95	.17	1.82	3.50	40.00		.89	1	25	27					
119.3	119.8	09462	.5	.5 4E4#	4.19	.20	7.60	7.20	100.00		.89	1	23	25					
119.8	120.8	09463	1.0	1.0 4E4#	4.89	.19	12.40	10.90	150.00	156.00	2.13	3	23	27					
120.8	122.6	09464	1.8	1.7 4C#	3.55	.35	1.61	1.26	30.00		.41	5	15	20					
WEIGHTED AVERAGE																			
32.7	34.1		1.4	1.4	3.74	.10	3.10	2.68	52.28		.07	8	15	23					
67.6	70.7		3.1	.6			1.00	.60		13.00									
70.9	78.0		7.1	6.7	3.94	.20	1.74	1.42	28.15		.67	3	23	27					
104.6	107.7		3.1	1.7		.36	.46	.40	18.09										
108.8	122.6		13.8	13.2	1.34	.26	1.65	1.70	31.47	11.30	.32	1	6	8					

02APR84 GRUP

DOWN-HOLE SURVEYS (CP-02G)

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DDH: FAGA157 UTM-N: 904,715.7 UTM-E: 592,378.1 UTM-ELEV: 1,273.9 TOTAL DEPTH: 155.4 SECTION: W 66  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
61.000	177.200	123.000
121.900	175.900	83.000

DDH: FAGA157 UTM-N: 904,715.7 UTM-E: 592,378.1 UTM-ELEV: 1,273.9 TOTAL DEPTH: 155.4 SECTION: W 66  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
29.3	0001	#		0.5-	1
32.8	0002	4L0		0.5-	1
33.1	0003	4E4#		0.5-	1
34.1	0004	4Q8	? [10Q8]	0.5-	1
36.5	0005	4L0	(5D4*) MINOR	0.5-	1
38.2	0006	5BC\$		0.5-	1
43.8	0007	4L0	(5CD4*) MINOR	0.5-	1
47.1	0008	5B2	-> 5B26 -> 5A	0.5-	1
47.8	0009	4L0		0.5-	1
50.5	0010	5A0		0.5-	1
51.1	0011	4L2		0.5-	1
53.5	0012	5B26	(5A) MINOR	0.5-	1
56.0	0013	4L0	-> 4L2 LOCALLY	0.5-	1
57.0	0014	5B26	[4L6]	0.5-	1
61.9	0015	5B26		0.5-	1
62.2	0016	5B26	[4L6]	0.5-	1
66.4	0017	5B20	-> 5B26	0.5-	1
70.9	0018	4L2	(4E) (4A) BOTH MINOR	0.5-	1
72.6	0019	4CC	84 8# (4L12# 84)	0.5-	1
74.6	0020	4C3	85	0.5-	1
76.5	0021	4E4	81 80 (4C0) MINOR	0.5-	1
78.0	0022	4L0		0.5-	1
83.1	0023	5B0		0.5-	1
84.1	0024	5DC		0.5-	1
86.2	0025	5BC\$	(5D4*) MINOR	0.5-	1
88.7	0026	5B0?		0.5-	1
99.6	0027	5B0	84 (5D4*) MINOR	0.5-	1
100.4	0028	5D0		0.5-	1
104.6	0029	5B0?		0.5-	1
107.7	0030	4E1	BXA	0.5-	1
108.8	0031	5C4\$		0.5-	1
116.5	0032	4A3	(4E1) 70:30	0.5-	1
119.3	0033	4C3	85 [4E0 (4C0) (4A3) 50:48:2]	0.5-	1
120.8	0034	4E4#	POROUS (4E4 81) MINOR	0.5-	1
122.6	0035	4C0#	8 BXA	0.5-	1
124.1	0036	4L2	[4LE]	0.5-	1
140.3	0037	5BC\$		0.5-	1
143.1	0038	5B0?		0.5-	1
146.1	0039	5B0\$		0.5-	1
147.9	0040	5B0		0.5-	1
153.9	0041	5BC\$		0.5-	1
155.4	0042	5B0		0.5-	1

DDH: FAGA157 UTM-N: 904,715.7 UTM-E: 592,378.1 UTM-ELEV: 1,273.9 TOTAL DEPTH: 155.4 SECTION: W 66  
 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	
FAGA157	0.0	31.0	PS2		0	0	0	60	230	C	1	1	1
FAGA157	0.0	36.2	PS2		0	0	0	69	230	C	1	1	1
FAGA157	0.0	41.8	PS2		0	0	0	60	230	C	1	1	1
FAGA157	0.0	47.5	CS2	Z	0	0	0	52	230	0	1	1	1
FAGA157	30.8	51.1	PS2	P	0	0	0	0	0	0	1	1	1
FAGA157	0.0	51.1	PS2		0	0	0	52	230	0	1	1	1
FAGA157	0.0	55.3	CS2		0	0	0	70	230	C	1	1	1
FAGA157	51.1	57.0	CS2	Z	0	0	0	0	0	C	1	1	1
FAGA157	0.0	60.0	PS2		0	0	0	72	230	C	1	1	1
FAGA157	57.0	63.0	PS2	P	0	0	0	0	0	C	1	1	1
FAGA157	0.0	65.0	CS2		0	0	0	76	230	C	1	1	1
FAGA157	63.0	67.7	CS2	Z	0	0	0	0	0	0	1	1	1
FAGA157	0.0	71.2	PS2		0	0	0	53	230	C	1	1	1
FAGA157	0.0	76.5	PS2		0	0	0	54	230	C	1	1	1
FAGA157	67.7	78.0	PS2	P	0	0	0	0	0	C	1	1	1
FAGA157	0.0	81.7	CS2		0	0	0	46	230	0	1	1	1
FAGA157	78.0	83.2	CS2	Z	0	0	0	0	0	C	1	1	1
FAGA157	0.0	85.6	CS2		0	0	0	68	230	0	1	1	1
FAGA157	83.2	90.5	CS2	S	0	0	0	0	0	C	1	1	1
FAGA157	0.0	90.5	CS2		0	0	0	55	230	C	1	1	1
FAGA157	0.0	95.1	CS2		0	0	0	53	230	0	1	1	1
FAGA157	90.5	96.8	CS2	Z	0	0	0	0	0	C	1	1	1
FAGA157	0.0	100.0	CS2		0	0	0	61	230	C	1	1	1
FAGA157	96.8	104.4	CS2	S	0	0	0	0	0	C	1	1	1
FAGA157	0.0	107.8	PS2		0	0	0	67	230	C	1	1	1
FAGA157	0.0	112.8	PS2		0	0	0	35	230	0	1	1	1
FAGA157	0.0	117.8	PS2		0	0	0	34	230	C	1	1	1
FAGA157	0.0	122.5	PS2		0	0	0	45	230	0	1	1	1
FAGA157	107.8	124.1	PS2	P	0	0	0	0	0	C	1	1	1
FAGA157	0.0	126.5	CS2		0	0	0	57	230	C	1	1	1
FAGA157	124.1	131.3	CS2	S	0	0	0	0	0	C	1	1	1
FAGA157	0.0	131.3	CS2		0	0	0	50	230	C	1	1	1
FAGA157	131.3	133.8	CS2	Z	0	0	0	0	0	C	1	1	1
FAGA157	0.0	136.6	PS2		0	0	0	44	230	0	1	1	1
FAGA157	0.0	140.4	PS2		0	0	0	44	230	0	1	1	1
FAGA157	133.8	143.9	PS2	P	0	0	0	0	0	C	1	1	1
FAGA157	0.0	145.3	CS2		0	0	0	52	230	C	1	1	1
FAGA157	0.0	150.4	CS2		0	0	0	57	230	C	1	1	1
FAGA157	0.0	154.8	CS2		0	0	0	51	230	0	1	1	1
FAGA157	143.9	155.4	CS2	Z	0	0	0	0	0	0	1	1	1

DDH: FAGA157 UTM-N: 904,715.7 UTM-E: 592,378.1 UTM-ELEV: 1,273.9 TOTAL DEPTH: 155.4 SECTION: W 66  
 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
FAGA157	43.8	47.1	F			0	0	0	1
FAGA157	68.3	70.7	PG	3		0	0	0	1
FAGA157	86.2	88.7	G			0	0	0	1
FAGA157	0.C	104.6	G			0	0	0	1
FAGA157	104.6	107.7	D?X			0	0	0	1
FAGA157	108.8	116.5	2R			0	0	0	1
FAGA157	120.8	122.6	1D			0	0	0	1
FAGA157	122.6	124.1	2G			0	99	999	1
FAGA157	140.3	143.1	SG			0	0	0	1

02APR84 GRUM

DOWN-HOLE SFLINES (CH020)

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DDH: FAGA157 UTM-N: 904,715.7 UTM-E: 592,378.1 UTM-ELEV: 1,273.9 TOTAL DEPTH: 155.4 SECTION: W 60  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGA157	1	2
FAGA157	2	2
FAGA157	3	1

CYPRUS ANVIL MINING CORPORATION

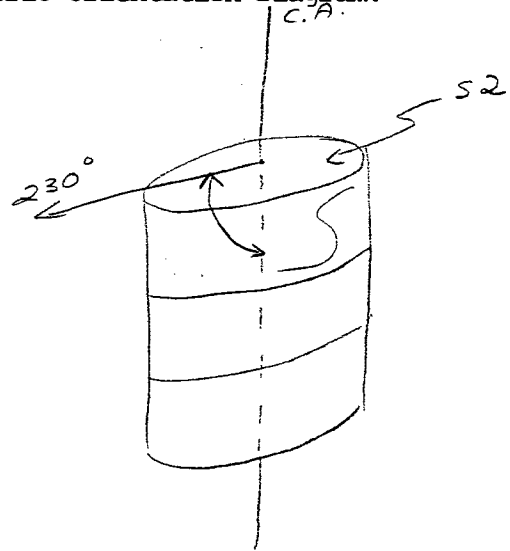
DIAMOND DRILL CORE LOG

Hole Number: 76-A 157

Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLAT.



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

UTM ~~Terr.~~ Plane Co-ords.: 6,904,715.7 N

1979 Hiw Orthophoto Survey Grid Co-ords.: 592,378.1 E

Grid Co-ords.: 66 W / 15

All symmetry determinations looking

NIW with S2 dipping

SW with dip azimuth 230°.

Elevation: 1273.90

Total Depth: 155.40

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

Re Logged by: D.J.H. Date(s) Logged: \_\_\_\_\_

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

Started: 12/9/76 Completed: 15/9/76



Code	From <sub>m</sub>	To <sub>m</sub>	Unit	Code	Description
1	10 14	16 20	22 23	25 27	
L	100	129.3	1	#	1/8 - triconed to 30.8
L	129.3	132.8	12	4L0	
L	<sup>3 2 7</sup> <del>132.8</del>	<sup>3 3 3</sup> <del>133.7</del>	13	4E14*	* - CALC CONTACTS?
L	<sup>3 3 3</sup> <del>133.7</del>	134.1	14	01Q10	→ ACTUALLY A CARBONATE UNIT - POSS. A VEIN - POSS. A MASSIVE Fe, Mg CO <sub>3</sub> bearing; minorsides 4K0
L	134.1	136.5	15	4L10	w/ minor buff 4L5 (5D43?)
L	136.5	138.2	16	5B10	Fe, Mg CO <sub>3</sub>
L	138.2	143.8	17	4L10	minor 5D4 (massive & mottled varieties)
L	143.8	147.1	18	5B12	→ 5B26?; fault zone; possibly some 5A
L	147.1	147.8	19	4L10	
L	147.8	150.5	10	5A10	
L	150.5	151.1	11	4L12	
L	151.1	153.5	12	5B12	<sup>5B26</sup> w/ minor 5A;
L	153.5	156.0	13	4L10	→ 4L2 locally
L	156.0	157.0	14	4L16	weakly altered looking; altered 5B
L	157.0	161.9	15	5B12	<sup>5B26</sup> w/ minor 5A locally
L	161.9	162.2	16	4L16	as unit 14
L	162.2	166.4	17	5B12	→ 5B26
L	166.4	170.9	18	4L12	0.6 m rec'd 68.3-70.7; minor 4E & 4A
					recovered + GAUGE = [FAULT] - CON-Act 5?
L	170.9	172.6	19	4K12	→ 4C0 = 4E1 + (4L12 * 14) 70:30 or 4K0:4L2
L	172.6	174.6	20	4E1A	→ 4C0 + (4E4) + (4E1) + (4A3) 70:30 4E0:4A0 4C0:4E4:4E1:4A3 = 70:10:10:10
L	174.6	<sup>2 6 6</sup> <del>176.5</del>	21	4E0	→ 4E4 ± 1.0 + (minor 4C0) ± Porous
L	<sup>2 6 6</sup> <del>176.5</del>	178.0	22	4L10	grad. upper ct. over 3cm.
L	178.0	183.1	23	5B10	
L	183.1	184.1	24	5D13	mod. ly altered (4L65)
L	184.1	186.2	25	5B10	Fe Mg CO <sub>3</sub> bearing; minor 5D43; weakly altered?
L	186.2	188.7	26	5B10	? gouge zone.
L	188.7	199.6	27	5B10	± altered? zones; minor buff altered 5D? bands.
L	199.6	1100.4	28	5D3	weakly altered; dirty green colour
L	1100.4	1104.6	29	5B10	gouge @ FOI.
L	1104.6	1107.7	30	4E1	CLASTS = 4E1 + QZ + 4A1 / MATRIX = QZ ± CALC → CONTACTS? "brixia" w/ quartzose matrix; no foliation visible
L	1107.7	1108.8	31	4L0	"transported ore" or local fault brixia
L	1108.8	1116.5	32	4E1A	→ 5C4* - DOLO w/ mariposite - 5D4; 4L3 locally. 50:50 4E0:4A0 4A = PHYL + C PARTING; → 4A3 + (4E1) → 70:30 - 4E1 INCREASING TOWARD F/W 30% OF UNIT = COARSE RUBBLE



Code	From <sub>m</sub>			To <sub>m</sub>			Feature	S/E	S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24			26	28	32	34	
S				1310			ISZ				610	2310	R region 30.8-51.1 m.
S				1362			ISZ				69	2310	(minor Z observed)
S				1418			ISZ				610	2310	
S				1475			CISZ	Z			52	2310	
S				1511			IFZR				52	2310	Z region 51.1-57.0
S				1553			CISZ				70	2310	
S				1570			IFRZ						R region 57.0-63.0
S				1600			ISZ				72	2310	
S				1630			IFZR						Z region 63.0-67.7
S				1650			CISZ				76	2310	
S				1677			IFRZ						R region 67.7-78.0
S				1712			ISZ				53	2310	
S				1765			ISZ				54	2310	
S				1780			IFZR						Z region 78.0-83.2
S				1817			CISZ				46	2310	
S				1832			IFRZ						S region 83.2-90.5
S				1856			CISZ				68	2310	
S				1905			IFZE				55	2310	Z region 90.5-96.8
S				1951			CISZ				53	2310	
S				1968			IFR						S region 96.8-104.4
S				11010			CISZ				61	2310	
S				11044			IFRS						
													Bxia zone 104.4-107.8
													no sym or SZ
S				11078			IFZR				67	2310	R region 107.8-124.1
S				11128			ISZ				35	2310	
S				11178			ISZ				34	2310	
S				11225			ISZ				45	2310	
S				11241			IFZR						S region 124.1-131.3
S				11265			CISZ				57	2310	
S				11313			IFZE				50	2310	Z region 131.3-133.8
S				11338			IFRZ						PSZ region 133.8-143.9
S				11366			PSZ				44	2310	
S				11404			PSZ				44	2310	
S				11439			IFRZ						Z region 143.9-155.4
S				11453			CISZ				52	2310	

~~1507~~  
~~1528~~

~~57~~  
~~54~~



DDH 76-A157  
2 8

## Cyprus Anvil Mining Corp.

## Geochemical Log (Sampler's Copy)

Page 7 of 7Logged By: D.J.H.Sampled By: K.A.

Core Code	From		To		Sample No.	Description			
	10	14	16	20		22	27	Length	Rec
P	1326	1341			514	K.A.	1.5	1.2	
P	1676	1707			515	K.A.	3.1	0.6	
P	1707	1722			516	K.A.	1.5	1.5	
F	1722	1736			517	K.A.	1.4	1.1	
P	1736	1751			518	K.A.	1.5	1.5	
D	1751	1766			519	K.A.	1.5	1.5	
P	1766	1778			520	K.A.	1.2	0.7	
P	1046	1077			521	K.A.	3.1	2.9	
P	1103	1119			522	K.A.	1.6	1.5	
P	1165	1180			523	K.A.	1.5	1.5	
P	1180	1189			524	K.A.	0.9	0.5	
P	1189	1208			525	K.A.	1.9	1.8	

LOGGED 1980 / CHECKED & ASSAYED 1981

DDH 76-A-157 Cyprus Anvil Mining Corp

Page \_\_\_\_\_ of \_\_\_\_\_  
 CHECKED by \_\_\_\_\_  
 Logged by GG

ASSAY LOG (SAMPLER'S COPY)

Date 17 Aug/81 Sampled by \_\_\_\_\_

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT	DESCRIPTION
	10	14	16	20	22	26	28	30	32	34		
P	1323		1333		9296		106		106		A1E1A	
P	1333		1341		9297		108		108		A1K101	?? OR A CARBONATE VEIN?
P	1676		1707		9298		131		105		A1A111	+ (4E1) + (000) / NOT SAMPLED // SEE V. POOR REC // K.A. ASSAY # A515B
	1707		1709				102		102		A1L101	+ GAUGE // LOW GRADE NOT SAMPLED // ASSAY = 0%
P	1709		1726		9299		117		117		A1C101	±4 + (4L12*) ±4
P	1726		1746		9300		120		120		A1C101	+ (4E1) + (4E1) + (4A3)
P	1746		1766		9451		20		116		A1E1A	±1 ±0 ± POROUS
P	1766		1780		9452		114		114		A1L101	
P	11046		11058		9453		112		107		A1E11	BRUCCIA
P	11058		11077		9454		119		110		A1E11	BRUCCIA
	11077		11088				111				SCA1*	LOW GRADE NOT SAMPLED // ASSAY = 0%
SPLIT { P	11088		11103		9455		115		113		A1A131	+ (4E1)
P	11103		11119		9456		116		114		A1A131	+ (4E1)
P	11119		11137		9457		118		117		A1A131	+ (4E1)
SPLIT { P	11137		11155		9458		118		118		A1A131	+ (4E1)
P	11155		11165		9459		110		110		A1A131	+ (4E1)
P	11165		11180		9460		115		115		A1E1C1	
P	11180		11193		9461		113		113		A1E1C1	
P	11193		11198		9462		105		105		A1E1A	±1
P	11198		11208		9463		110		110		A1E1A*	CALC, POROUS
P	11208		11226		9464		118		117		A1C1*	
												END OF HOLE @ 155.4m

UNITS = METRES

SPLIT {  
 SPLIT {

DDH FAGA157  
<sup>2</sup> <sub>8</sub>  
 meters

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	40	
F	438			471	F										
F	683			707	PG	3									
F	862			887	G										
F	<del>1046</del>			1046	G										
F	1046			1077	DIX										
F	1088			1165	2R										
F	11208			11226	1D										
F	11226			11241	2G					99	99				
F	11403			11431	5G										

# DIAMOND DRILL RECORD

LOGGED BY J. C. [Signature]

D. D. H. No 76-1157 PAGE 1/8

PROPERTY CROWN POINT VENUE, 4T

LATITUDE 10,506.970

DEPARTURE 7,677.261

ELEVATION 1284.510

CC-ORDE  
3410  
1°  
66"  
Surface

STARTED Sept. 12/10 AS

COMPLETED Sept. 13/10 AS

PROPOSED DEPTH 133.5"

ULTIMATE DEPTH 155.4"

HOLE SURVEY:		
DEPTH	BEARING	DIP
Collar	-	-90°
200' (40-92")	122°	-97.5°
400' (121-92")	032°	-86°

CLAIM No

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	29.3	OVERBURDEN	NIL 29.3		0	29.3											
29.3	30.8	Q17 - Silty P4y (S6) - assumed. Triconed.	NIL 1.5		29.3	30.8											
	32.6	" " - " - " (S8T) Banded Giff. 50-60% qtz, some a fensite. Old pink Web. C.A. F <sub>2</sub> = 60° - F <sub>1</sub> not evident.	1.25 1.8			32.6											
32.6	34.1	Q17 Anorthite ( ) and Anorthite ( ) 32.6-32.9" Qtz-Anorthite over some bands of Silty (S6P) - 33.4" Mass Silty (S6) 75% qtz, 25% An - 33.55" Qtz-Anorthite, 70% qtz, 30% An - 34.1" Qtz-Anorthite, 1 P4y, 20 P2 C.A. 70° amphibole banding in mass silty.	1.2 A. 514.8		32.6	34.1	1.5	3.18	2.80	4.134	✓						
34.1	36.2	Q17 Silty P4y (S6) Banded Giff. As 30.8-32.6" C.A. F <sub>2</sub> = 70°	1.5 2.1		34.1	36.2											

check against 76-1157 plotted? Calculate



LOGGED BY

D.D.H. NO 76-117 PAGE 3 of 8

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
53.5	57.0	Qtz-Ser fuv. (S <sub>1</sub> ) 50% of qtz, 0.5 py local, quite 1% local. Sulphide, Crystall. C.A. F <sub>2</sub> = 65-70° F <sub>1</sub> local, fair, 70° to F <sub>2</sub> .																
			3.5		53.5	57.0												
			3.5															
57.0	66.4	Qtz-Ser + Garnet (S) 50-60% qtz, locally 1-3% grapha. Mostly bedded, fracture. Section fractured, many narrow slickens generally following foliation planes. Shearing + faulting next several @ 62.5-62.8" and @ 66.4-66.7". 20% qtz remaining C.A. F <sub>2</sub> = 75-85-75°. F <sub>1</sub> sub-0 F <sub>2</sub> @ 63-65.4°																
			4.2		57.0	61.6												
			1.1			63.1												
			3.3			66.4												
66.4	72.4	Qtz-Sulph + Ser (P) Intervals of sulph-rich Qtz-Sulph plus much Ser sulph Qtz-Ser Sulph. C.A. 60-50-60°																
			0.9		66.4	67.6												
			20	4	515 B	70.7	3.1	100	0.60	13.63	✓							
			55	6	516 B	72.2	1.5	100	0.45	24.23		0.00			Pt 2n			
			55	3	517 B	73.6	1.4	378	1.10	30.31		3.88						
72.4	76.6	MINUTE PLUMBEONITE OF SILICONS (M) plumbeonite, quartz, sericite, silicates + hard. 1-3% except @ 71-72", 80 py, 60% 73-75.8, 28 py, 10% 76-76.8, 70 py, 14% C.A. 50° compressional bedding.																
			55	5	518 B	75.1	1.5	218	1.20	30.17		0.35						
			75	7	519 B	76.6	1.5	415	4.20	52.46	✓	6.23			6.45		25.04	
			7	15	520 B	77.8	1.2	0.60	0.13	8.23	✓							
			0	0		78.0	0.2											
					WTR.	164	72.1	7.4	3.09	10.24								









LOGGED BY

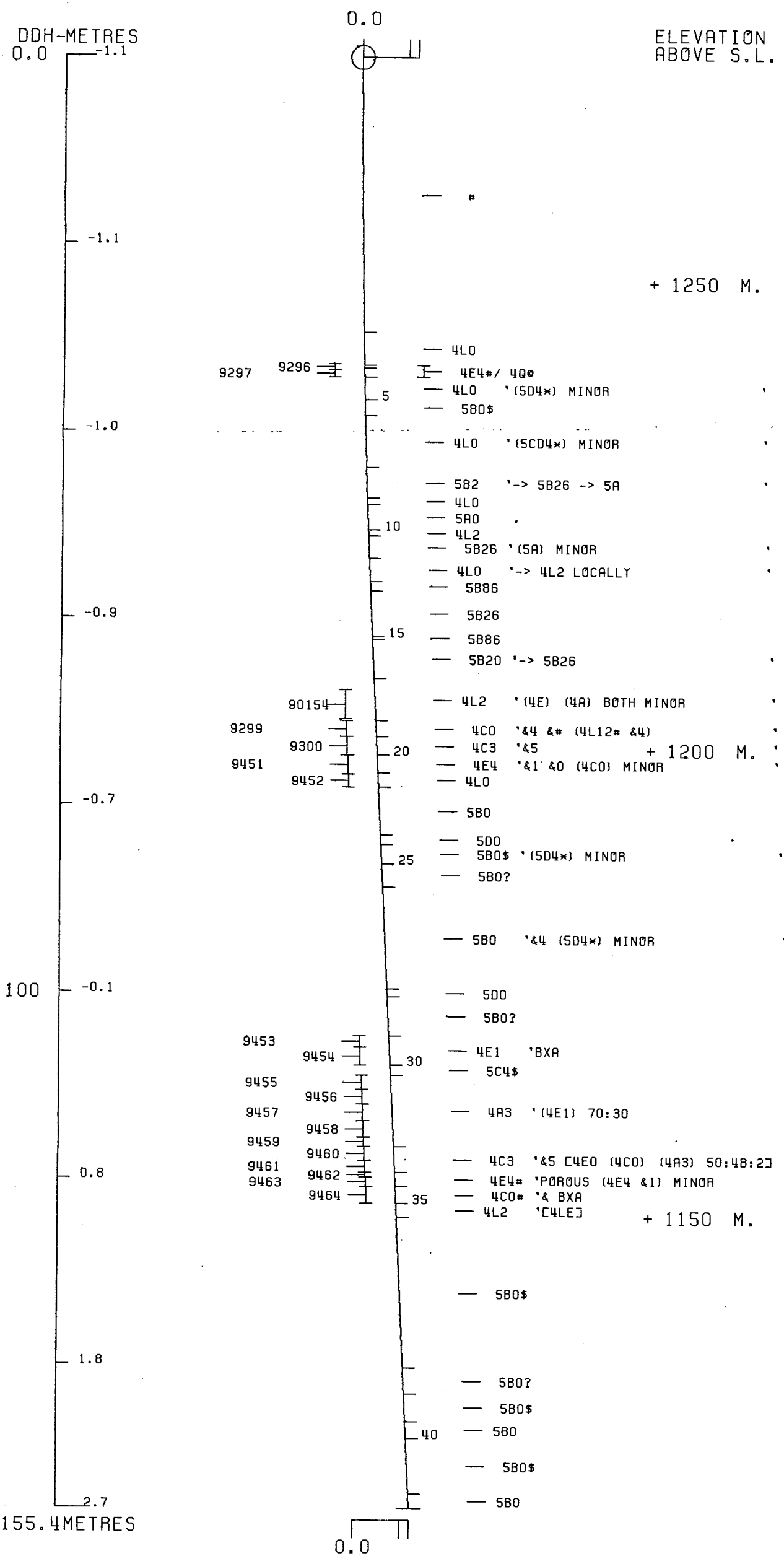
*E. J. [Signature]*

D.D.H. NO 76-1157 PAGE 2 of 8

Interval		DESCRIPTION	Recovery	Sample NO	Interval		Sample Length	Assay					Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
<del>147.4</del>		C.A. F27 60' @ 145.3, 55' @ 146-147.6, F2 1000 @ 147.9, 55' @ 147-151-155"																
155.4		END OF HOLE																
		REMARKS:																
		ⓐ Cemented hole, 16 bags used.																
		ⓑ Lost water returns @ 108.9'. Slight re-circulation when water pressure pump operating @ high speed.																

# DDH: FAGA157 -- 132 DEGREE PROFILE ( VIEW AZIMUTH = 42 DEGREES )

ELEV:1274      592378E ; 904716N  
 PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2  
 CORRECTED COLLAR POSITION: X = 698.1 Z = 1273.9  
 SECTION NAME: 01S



# DDH: FAGA157 -- 132 DEGREE PROFILE

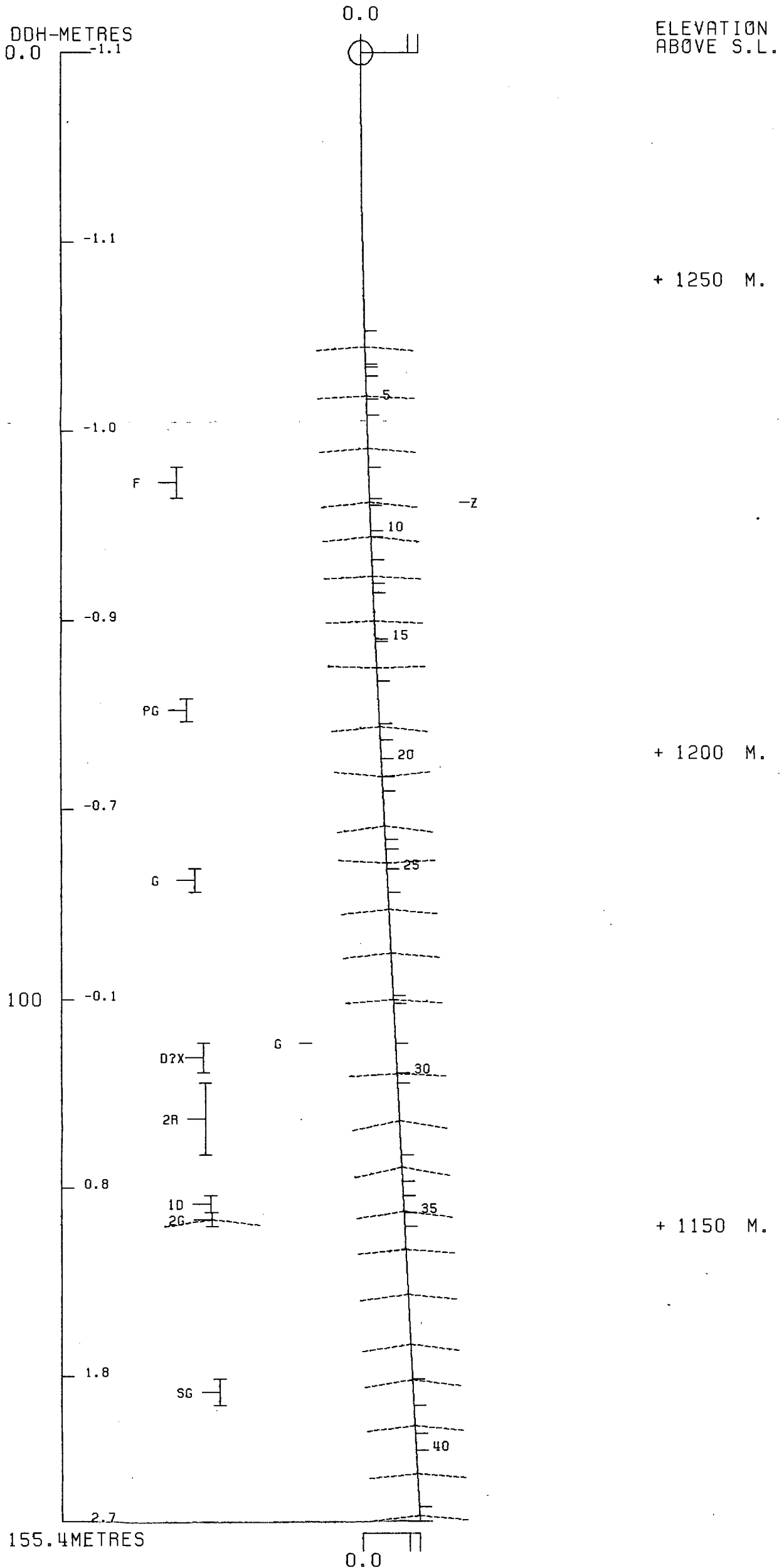
( VIEW AZIMUTH = 42 DEGREES )

ELEV:1274 592378E ; 904716N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 698.1 Z = 1273.9

SECTION NAME: 01S



FACIA159

DRILL HOLE : FAGA159  
NORTHING : 904,796.9  
EASTING : 592,288.5  
ELEVATION : 1,276.8  
TOTAL DEPTH : 148.4  
SECTION : W 70  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 10  
NOS DOWN-H-SURVEYS: 4  
NOS DOWN-H-LITHOLOGY: 46  
NOS DOWN-H-STRUCTURE: 23  
NOS DOWN-H-FAULTS: 22  
NOS DOWN-H-SPLINES: 4  
NOS COMPOSITES: 0

EDM: BGA159 UTM-N: 704790.9 UTM-E: 592268.5 UTM-ELEV: 1274.8 TOTAL DEPTH: 148.4 SECTION: W 70  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	RQC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	ASSAYS			SAC %	HG %	MN %	AS %	BA %	S.G. W.R.
FROM	TO												PC %	PY %	TCT FE						
102.7	103.5	11262	.8	.6	4E#4	4.67	.19	4.30	1.88	53.00	53.00	2.88	3	35	33						
103.5	104.5	11269	1.0	1.0	4A3	3.74	.17	.68	.93	23.00		1.30	2	21	23						
104.5	105.2	11270	.7	.7	4E#4	4.23	.19	4.00	4.30	67.00		1.17	3	24	27						
107.0	107.5	11271	.5	.4	5A1	3.33	.08	.80	.79	10.00		.21	5	11	16						
107.5	107.8	11272	.3	.3	4E#4	4.24	.19	3.30	4.00	54.00		1.03	3	27	30						
107.8	108.5	11273	.7	.6	4E*	3.92	.15	2.40	2.10	37.00		1.17	2	23	26						
108.5	109.2	11274	.7	.7	4C*	3.67	.11	2.20	1.92	28.00		.69	4	15	20						
109.2	111.4	11275	2.2	2.2	4E#8	4.83	.29	2.30	1.92	37.00		1.23	3	32	35						
111.4	111.8	11276	.4	.4	4E#4	4.81	.19	5.70	7.40	104.00		1.51	1	31	32						
111.8	112.3	11277	.5	.5	4C0	3.45	.14	1.32	1.43	30.00		.34	7	10	17						
WEIGHTED AVERAGE																					
102.7	105.2		2.5	2.5		4.17	.18	2.76	2.33	46.52	16.96	1.76	2	26	29						
107.0	112.3		5.3	5.1		4.25	.20	2.37	2.32	39.37		.98	4	24	28						

DDH: FAGA159 UTM-N: 9047791.9 UTM-E: 590200.9 UTM-ELEV: 1276.7 TOTAL DEPTH: 148.4 SECTION: W 70  
RFE: S2 RFE DIR: 250 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	190.000	0.000
68.900	171.000	106.300
114.200	159.000	87.500
137.200	164.000	108.000

UDH: FAGA159 UTM-N: 904,790.9 UTM-E: 592,288.5 UTM-ELEV: 1,276.2 TOTAL DEPTH: 146.4 SECTION: W 70  
 RFE: S2 RFE DIP: 230 FLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
12.2	0001	A		0.5-	1
17.9	0002	5B3		0.5-	1
20.2	0003	5B32		0.5-	1
23.3	0004	5B3	-> SEC LOCALLY	0.5-	1
26.3	0005	5B32		0.5-	1
34.1	0006	5B3	(5B3)	0.5-	1
38.4	0007	5A3		0.5-	1
41.8	0008	1000	(5A3)	0.5-	1
44.5	0009	5C3		0.5-	1
46.4	0010	5C3	[5C4*]	0.5-	1
50.0	0011	5A3#		0.5-	1
50.5	0012	5D4*		0.5-	1
72.0	0013	5A6		0.5-	1
74.7	0014	5C#		0.5-	1
76.1	0015	5E#4	[5C#]	0.5-	1
78.0	0016	5B43		0.5-	1
79.5	0017	4L#	[5D4*9]	0.5-	1
86.1	0018	4LC	(1000)	0.5-	1
87.5	0019	3GC		0.5-	1
88.5	0020	5B#		0.5-	1
89.7	0021	5C#		0.5-	1
91.8	0022	5B3#		0.5-	1
93.6	0023	5A6		0.5-	1
93.9	0024	4LC		0.5-	1
97.7	0025	5A6	(5B62)	0.5-	1
102.7	0026	5A16	&3 &9	0.5-	1
103.5	0027	4E#4	&1 &8 MINCR	0.5-	1
104.5	0028	4A3	&4 (4C0 &4)	0.5-	1
105.2	0029	4E#4	&1	0.5-	1
107.0	0030	4L3		0.5-	1
107.5	0031	5A16	-> 4A	0.5-	1
107.8	0032	4E#4		0.5-	1
108.5	0033	4E*4	(4A3*) MINCR	0.5-	1
109.2	0034	4C*	(4A13) (4L#)	0.5-	1
111.4	0035	4E#2	(4K0) MINCR	0.5-	1
111.8	0036	4E*4	PCROU	0.5-	1
112.3	0037	4C0	SERICITIC	0.5-	1
113.9	0038	5E#4		0.5-	1
117.1	0039	5B3	-> 5E0	0.5-	1
119.7	0040	4L#	[5D43]	0.5-	1
126.2	0041	5E0	(5B3)	0.5-	1
128.3	0042	5B#	[5E# PHYLLITIC]	0.5-	1
129.4	0043	3GC	&3	0.5-	1
133.1	0044	5B3		0.5-	1
141.9	0045	5B43	(5E4)	0.5-	1
148.4	0046	5B3		0.5-	1

DDH: FAGA159 UTM-N: 904796.9 UTM-E: 592219.9 UTM-ELEV: 1276.9 TOTAL DEPTH: 148.3 SECTION: N 70  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE	DIR	DHDC	SOC	PROCESS
FAGA159	0.0	12.4	CS2	M	0	0	59	230	C	1	1	1
FAGA159	0.0	18.8	CS2	M	0	0	65	230	C	1	1	1
FAGA159	0.0	24.8	CS2	Z	0	0	81	230	C	1	1	1
FAGA159	0.0	33.8	CS2		0	0	52	230	C	1	1	1
FAGA159	0.0	37.0	CS2	M	0	0	69	230	C	1	1	1
FAGA159	0.0	45.0	CS2		0	0	60	230	C	1	1	1
FAGA159	0.0	49.0	CS2		0	0	25	230	C	1	1	1
FAGA159	0.0	55.0	CS2	M	0	0	85	230	C	1	1	1
FAGA159	0.0	61.0	CS2	Z	0	0	97	230	C	1	1	1
FAGA159	0.0	68.5	CS2	S	0	0	0	230	C	1	1	1
FAGA159	0.0	74.0	CS2		0	0	0	230	C	1	1	1
FAGA159	0.0	79.0	CS2		0	0	0	230	C	1	1	1
FAGA159	0.0	88.5	CS2		0	0	0	230	C	1	1	1
FAGA159	0.0	94.5	CS2		0	0	76	230	C	1	1	1
FAGA159	0.0	100.3	CS2	M	0	0	0	230	C	1	1	1
FAGA159	0.0	104.0	CS2		0	0	0	230	C	1	1	1
FAGA159	0.0	110.5	CS2		0	0	0	230	C	1	1	1
FAGA159	0.0	116.0	CS2	S	0	0	0	230	C	1	1	1
FAGA159	0.0	125.0	CS2	S	0	0	0	230	C	1	1	1
FAGA159	0.0	130.5	CS2	M	0	0	0	230	C	1	1	1
FAGA159	0.0	136.5	CS2	M	0	0	0	230	C	1	1	1
FAGA159	0.0	143.0	CS2	Z	0	0	0	230	C	1	1	1
FAGA159	0.0	148.3	CS2	S	0	0	0	230	C	1	1	1

JOH: FAGA159 UTM-N: 904,796.0 UTM-E: 592,289.5 UTM-ELEV: 1,076.3 TOTAL DEPTH: 140.4 SECTION: W 70  
 RFE: S2 RFE DIP: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

JOH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	SFD			
FAGA159	28.2	28.3	R				0	0	99	999	0	0	1
FAGA159	38.4	41.3	1G				0	0	C	C	0	0	1
FAGA159	41.8	44.5	GP				0	0	C	C	50	35	1
FAGA159	0.C	46.4	1G				C	0	99	999	0	0	1
FAGA159	50.0	50.5	R				C	0	C	C	0	0	1
FAGA159	68.C	68.2	G				C	0	C	C	0	0	1
FAGA159	71.C	71.3	G				0	0	C	C	0	0	1
FAGA159	72.2	73.5	GP	1			0	0	0	C	C	0	1
FAGA159	76.1	78.0	GRP	6			C	0	C	C	0	0	1
FAGA159	79.5	86.1	GP	3			C	0	C	C	0	0	1
FAGA159	86.4	86.6	G				0	0	33	C	0	0	1
FAGA159	88.5	89.2	GRP	5			C	0	C	C	0	0	1
FAGA159	90.9	91.3	G				0	0	C	C	0	0	1
FAGA159	0.C	102.7	1G				0	0	C	C	0	0	1
FAGA159	105.4	105.7	G				0	0	C	C	0	0	1
FAGA159	106.C	107.0	GP	2			0	0	C	C	0	0	1
FAGA159	107.5	107.3	D				0	0	C	C	0	0	1
FAGA159	109.1	109.2	X				0	0	C	C	0	0	1
FAGA159	0.C	111.3	R				0	0	C	C	0	0	1
FAGA159	120.1	120.7	1G				C	0	C	C	0	0	1
FAGA159	122.8	123.1	G				C	0	C	C	0	0	1
FAGA159	131.9	132.0	G				0	0	99	999	0	0	1

DDH: FAGA159 UTM-N: 904766.9 UTM-E: 5927289.5 UTM-ELEV: 17276.4 TOTAL DEPTH: 148.4 SECTION: W 70  
 RFE: 32 RFE DIP: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA159	1	2
FAGA159	2	2
FAGA159	3	2
FAGA159	4	1

CYPRUS ANVIL MINING CORPORATION  
DIAMOND DRILL CORE LOG

Page 1 of 7  
Date: 28 Aug/81

Hole Number: FAGA - 159

Project: GRUM RELOG

Location: SECTION 70W

Claim: —

Terr. Plane Co-ords.: 6904796.9 N

592288.5 E

Grid Co-ords: 70 W

1+00 S

Elevation: 1276.8

Total Depth: 148.4m

Purpose: TESTING EXTENSION OF GRUM DEPOSIT.

Reason hole Terminated: —

Logged by: GG

Date(s) Logged: 28 August/81

Drilling Contractor: —

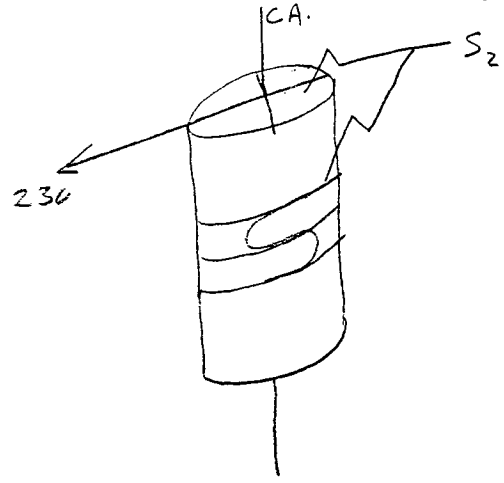
Size	CORE From	To	Collar Cased and Capped: <u>—</u>
<u>BW</u>	<u>0</u>	<u>12.2m</u>	
<u>BQ</u>	<u>12.2</u>	<u>148.4m</u>	

Hole Cemented: 8 BAGS

Steel down hole: —

Started: 16 SEPT/76 Completed: 19 SEPT/76

Reference Fabric Orientation Diagram:



All symmetry determinations looking

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

SW with dip azimuth 230°.

UTM  
1979 NZW  
Dr. No photo  
Survey

DDH F.A.G.A. 159  
2                                  8

Diamond Drill Core Log Date: \_\_\_\_\_ Logged By: GG

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E
I	2	8 10	16 17	24 25	32 34	39 41 42
T	F.A.G.A. 159	11276.8	904796.9	592288.5	metres	52

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2	8 10	14 22	26 28	32 34
R	F.A.G.A. 159	100	180.0	0.0	AT COLLAR
R	F.A.G.A. 159	689	171.0	106.3	CALCULATED FROM A 208
R	F.A.G.A. 159	1146	169.0	87.5	EA 74
R	F.A.G.A. 159	1372	164.0	108.0	

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

Lithologic Log

Date: 28 Aug/81

Logged By: GG

Code	From				To				Recov.	No.	Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28					30	34
L	100	112	122							0011	OVERBURDEN.			
L	112	117	179							2	5B31	CLASSIC	GRADES 10cm 1/2	
L	117	120	202							3	5B32		GRADES 10cm 1/2	
L	120	125	253							4	5B31	LOCALLY APPROACHES SED - PHYLLITE		
L	125	126	263							5	5B32	V. CALC	5cm GOUGE - CONTACT 5?	
L	126	134	341							6	5B31	+ (5B* - DOLO)	1/2	
												28.2 - 28.3m = GOUGE + RUBBLE PASS 1/2		
L	134	138	384							7	5A31	HIGH CARBON	2cm QZ VN 1/2	
L	138	141	418							8	110Q01	+ (5A3) + (minor GOUGE)	RUBBLE ?	
L	141	144	445							9	5C13	GOUGE + MISSING CORE (1.0m RECOVERY).	SHARP @ 30/075 wt S <sub>2</sub> = 31/230	
L	144	146	464							110	5C13	3% FUCHSITE	1cm GOUGE 1/2	
L	146	150	500							111	5A3*	DOLO	7cm QZ VN 1/2	
L	150	150	505							112	5D43	BROWNISH - GREEN - MASSIVE	RUBBLE PROG 1/2	
L	150	172	720							113	5A16	HIGH CARBON	1/2	
												68.0 - 68.2 = GOUGE (1/2?)		
												71.0 - 71.3 = GOUGE - CONTACT?		
L	172	174	747							114	5C1*	DOLO - 2% CHLORITE STREAKS	20cm QZ VN 1/2?	
												72.2 - 73.5 = GOUGE + MISSING CORE (10cm RECOVERY)		
												CONTACTS?		
L	174	176	761							115	5E44	DOLO	GOUGE	
L	176	178	780							116	5E43	UNIT = GOUGE, QZ VNS + RUBBLE + MISSING CORE (1.1m RECOVERY)	SHARP 3 29/110 wt S <sub>2</sub> = 32/230 RUBBLE ?	
L	178	179	795							117	4L1*	- DOLO - STRANGE ROCK -> 20% WISPY STREAKS OF SERICITE ± PHYLLITE, 20% DOLO LAMS, 60% QZ;		
L	179	186	861							118	4L10	UNIT = 25% MISSING CORE 15% ALO 30% QZ VNS 30% GOUGE	RUBBLE	
												NO DEFINITIVE ORIENTATIONS		

Lithologic Log

Date: 23 April 81 Logged By: GG

Code	From		To		Recov.	No.	Unit	Description	F/W CNT				
	10	14	16	20					22	24	26	28	30
L	1861		1875			119	3G12	FINE GRAINED, SILICEOUS AT 20 cm H/W; 86.4-86.6m = GOUGE @ 33/00 wrt S <sub>2</sub> = 73/230;					11S <sub>2</sub>
L	1875		1885			120	5B*	DOL					GOUGE
L	1885		1897			121	5C1*	DOL - 0.5m H/W = 50% MISSING CORE + GOUGE RUBBLE - POSS. FAULT 11S <sub>2</sub> (?)					3 cm QZ VN 11S <sub>2</sub>
L	1897		1918			122	5B3*	DOL 90.9-91.8 = GOUGE + H/W QZ VN CONTACTS?					GOUGE
L	1918		1936			123	5A16	HIGH CARBON					11S <sub>2</sub>
L	1936		1939			124	4L10						11S <sub>2</sub>
L	1939		1977			125	5A16	+ (5B62)					
L	1977		11027			126	5A116	±3 ± PY LAMS - SIMILAR TO "CIRQUE" PREGNANT SHALE; WEAKLY -CALC ±1; minor magnetite @ 106.9m;					GOUGE - 10cm CONTACTS?
L	11027		11035			127	4E14	±4 + (4C0±4)					11S <sub>2</sub>
L	11035		11045			128	4A13	±1 WEAKLY -CALC					RUBBLE PROB 11S <sub>2</sub>
L	11045		11052			129	4E14	GOUGE @ 105.4-105.7 (CNTS?) GOUGE + MISSING CORE (0.2m RECOVERY) @ 106.0-107.0m;					GOUGE
L	11052		11070			130	4L13	NO <sup>TO LOW</sup> SULPHIDE; HIGH CARBON; [5A13] RUBBLE ?					
L	11070		11075			131	4A11	BRÉCCIA 4x4 ANGULAR 0.1-1cm CLASTS IN F.G. WEAKLY CALC-SULPHIDE CLOSED MATRIX;					P25 @ 54/100 wrt S <sub>2</sub> = 35/230
L	11075		11078			132	4E14	+ (4A3* AT 108.2-108.3m)					11S <sub>2</sub>
L	11078		11085			133	4E14	WEAKLY -CALC, 20% PY + (4A13 + (3G12 - FINELY INTERBANDS @ 108.8-108.9m L ATTENDS TO THE CENTER OF A FOLD NOSE 109.1-109.2 = 4L* - CALC - BRÉCCIA CONTACTS? → 4L* CLASTS IN CALC <sup>SULPHIDE</sup> CLOSED MATRIX					
L	11085		11092			134	4L1*						
L	11092		11114			135	4E18	1/4 + (4K0 @ 5cm F/W)					

METRES

L → WEAKLY CALC

DDH F.A.G.A.159  
2 8

Cyprus Anvil Mining Corp.  
Lithologic Log

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Date: 28 Aug/91 Logged By: GG

METRES

Code	From				To				Recov.	No.	Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28					30	34
L	1111	14	1111	18						36	ALG*4	POROUS LAMS; NO MAGNETIC	ROUGH PROB	1/5
L	1111	18	1111	23						37	AD01	-SERICITIC		1/5
L	1111	23	1111	39						38	5EG*4	V. DOLO	GRADES 0.4m	1/5
L	1111	39	1111	71						39	5IB3	-APPROACHING 5EO PHYL	1cm QZ VN	1/5
L	1111	71	1111	97						40	AL*	V CALC [5D43] - POSS. CHLORITE PRESENT;		1/5
L	1111	97	1121	62						41	5EO	-PHYLLITIC + (5B3) 120.1-120.7 - THIN BRAIDED GOUGES ~    C.A. 122.8-123.1 = GOUGE - CNTS?		1/5
L	1121	62	1121	83						42	5B*	DOLO [5E*-DOLO, PHYLLITIC]	20cm QZ VN	1/5
L	1121	83	1121	94						43	3G12	± 3	GRADES 0.5m	1/5
L	1121	94	1131	31						44	5B3	131.9-132.0 = GOUGE PROB	1/5	1/5
L	1131	31	1141	19						45	5BA3	V. CALC + (5E4)	GRADES 1.0m	1/5
L	1141	19	1141	84						46	5EG3	± SER; V. CALC;		
												END OF HOLE @ 148.4 m		
												NOTE (1) DOMINANT TRACE SULPHIDE THROUGHOUT THIS HOLE IS Pd;		

DDH E.A. 159  
2 8

Cyprus Anvil Mining Corp.  
Structural Log

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Date: 28 Aug/81 Logged By: GG

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				1124	CISIZM							59	2130	REVERSING S/Z
S				1188	CISIZM							65		"
S				1248	CISIZZ							81		
S				1338	CISZS					52	100	68		TENSION GASHES @ 128.5 - 136.5 @ ~22/180
S				1370	CISIZM							69		REVERSING S/Z/E/3
S				1450	CISIZR							60		
S				1490	CISIZS					85	180	67		
S				1550	CISIZM							74		REVERSING S/Z +P
S				1610	CISIZZ					87	100	68		
S				1685	CISIZS							82		? some Z ALSO
S				1740	CISIZR							45		
S				1790	CISIZR							67		
S				1835	CISIZR							70		F4 @ 91/00 // POSS Z-SYM
S				1945	CISIZS					76	100	69		
S				11003	CISIZM							84		REVERSING E/3
S				11040	CISIZR							45		S-BANDS - NOTE REPETITION OF
S				11105	CISIZR							59		4E SUGGESTS A FOLD THROUGH THIS 4A BUT NO FOLD NODS SEEN - MAY BE LOST IN THE MINOR RUBBLE PRESENT.
S				11160	CISIZS							63		
S				11250	CISIZS							70		
S				11305	CISIZM							74		REVERSING S/Z
S				11365	CISIZM							83		REVERSING E/3
S				11430	CISIZZ							74		
S				11423	CISIZS							74		
														END OF HOLE @ 148.4m

METRES

CODE	FROM		TO	SAMPLE		INTR.			REC (m)		UNIT	DESCRIPTION	
	10	14	16	20	22	26	28	30	32	34	36		40
P	11012	7	11013	5	11268	10	8	10	8	10	8	14E*4	±1
P	11013	5	11014	5	11269	11	0	11	0	11	0	14A13	±4 + (4C14)
P	11014	5	11015	2	11270	10	7	10	7	10	7	14E*4	±1
	11015	2	11017	0				11	8			14L13	LOW GRADE NOT SAMPLED // ASSAY = 0%
P	11017	0	11017	5	11271	10	5	10	4	10	4	14A11	LOW SULPHIDE
P	11017	5	11017	8	11272	10	3	10	3	10	3	14E*4	-BRECCIA
P	11017	8	11018	5	11273	10	7	10	6	10	6	14E*4	
P	11018	5	11019	2	11274	10	7	10	7	10	7	14C*	+(4A13)
P	11019	2	11111	4	11275	12	2	12	2	12	2	14E*4	1/8)
P	11111	4	11111	8	11276	10	4	10	4	10	4	14E*4	-POROUS
P	11111	8	11112	3	11277	10	5	10	5	10	5	14D01	
													END OF HOLE @ 148.4m

DDH FAGALS9  
 2 meters 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
F	282	283	GR		99	99						
F	384	418	IG									
F	418	445	GP			3.0	0.35					
F		464	IG		99	99						
F	500	505	R									
F	680	682	G									
F	710	713	G									
F	722	735	GP, 1									
F	761	780	GRPS									
F	795	861	GP, 3									
F	864	866	G		33	0.00						
F	885	892	GRPS									
F	909	918	G									
F		1027	IG									
F	1054	1057	G									
F	1060	1070	GP, 2									
F	1075	1078	D									
F	1091	1092	X									
F		1118	R									
F	1201	1207	IG				~11CA					
F	1228	1231	IG									
F	1319	1320	G		99	99						



LOGGED BY

*J. Chen*

D.D.H. NO 76-A159

PAGE 2 of 4

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
34.1	41.0	Qtz - Graph Py (G) Dark Gray - Black. 65% py, 1mm - 1cm banding, excellent Fe forms, Vertical to F <sub>2</sub> . 38.6 - 41.0" & 70% py veins (s). C.A. F <sub>2</sub> = 70°	4.1 / 4.3 1.5 / 2.6		34.1	38.4												
41.0	46.4	Qtz - Sea Py, Blacked (Sb), Fault, Qtz - Sea - Cuz Py (So) 41.0 - 42.5(?) : Blacked Py, sheared. (Sb) - 44. (?) : Intensely sheared & gouge, 20% magnetite - 44.8 : Blacked Py, sheared (Sb) - 46.3 : Qtz - Sea - Chl, 1-20% chl. C.A. 65° @ 44.5" - 46.3"	0.3 / 0.8 0.1 / 1.3 0.9 / 1.5 1.4 / 1.6		41.0	41.8 42.3 44.8 46.4												
46.4	71.5	Qtz - Sea - Graph Py w/ Alter Sulphides 46.4 - 53" : 1-5% graph., banded py. 53 - : 1-3% graph., well foliated, very fissile. 47.2 - 48.7 : 1% py; 47.6 - 48.1" : 4% Pz Phyllites very sericitic, fissile & weak. C.A. F <sub>2</sub> = 65° @ 46.4 - 54", 75-80° @ 54.5 - 58.7", 70° @ 59 - 67.7, 90-85° @ 68 - 69", 70° @ 69.7 - 71" 67.5 - 71" & Many narrow sheets // F <sub>2</sub> , some w/ gouge. 71 - 71.3 : Fault w/ gouge.	1.1 / 0.8 0.5 / 0.5 2.2 / 2.2 0.45 / 2.1 1.3 / 1.9 5.7 / 5.7 0.8 / 1.6 4.2 / 4.5 3.7 / 4.6 0.5 / 0.8		46.4	47.6 48.1 50.3 52.4 54.3 60.0 61.6 66.1 70.7 71.5												

+ % Pb<sub>2</sub> est









# DDH: FAGA159 -- 132 DEGREE PROFILE

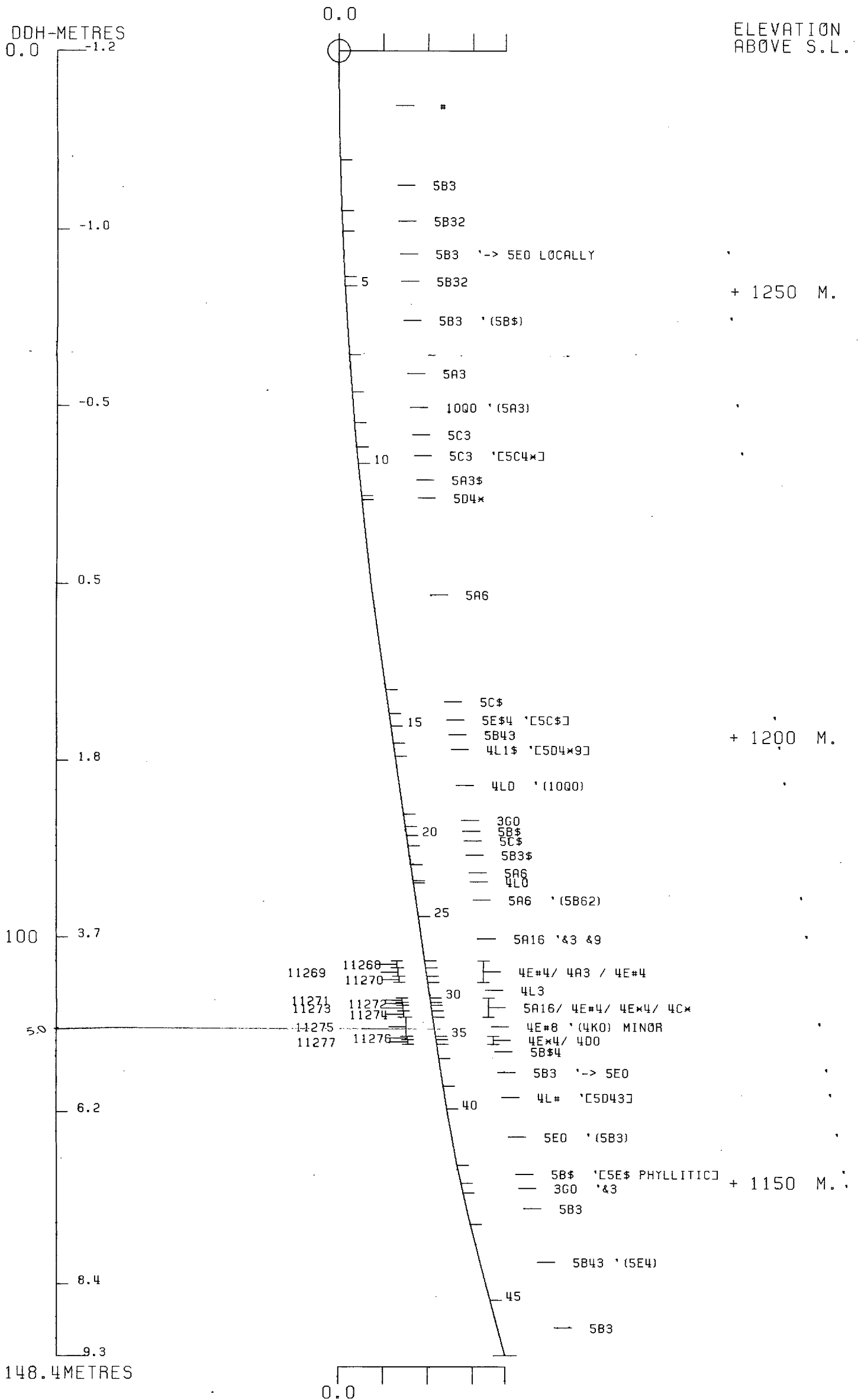
( VIEW AZIMUTH = 42 DEGREES )

ELEV:1277 592289E ; 904797N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 577.2 Z = 1276.8

SECTION NAME: 01S



# DDH: FAGA159 -- 132 DEGREE PROFILE

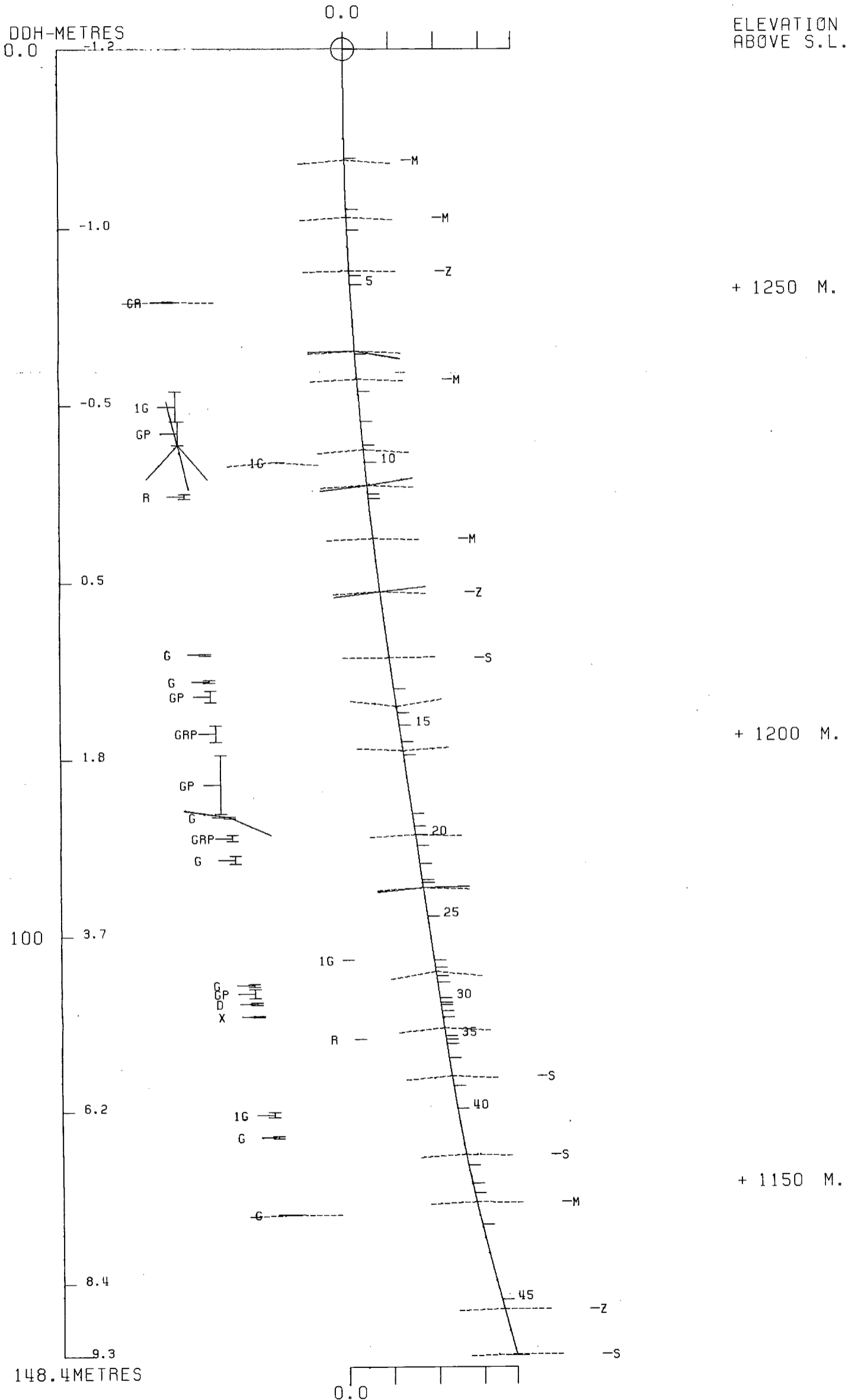
( VIEW AZIMUTH = 42 DEGREES )

ELEV:1277 592289E ; 904797N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 577.2 Z = 1276.8

SECTION NAME: 01S



FAGA223

DRILL HOLE : FAGA223  
NORTHING : 904,512.6  
EASTING : 592,601.9  
ELEVATION : 1,263.8  
TOTAL DEPTH : 262.3  
SECTION : W 56  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
EHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0  
NOS DOWN-H-SURVEYS: 6  
NOS DOWN-H-LITHCLOGY: 46  
NOS DOWN-H-STRUCTURE: 39  
NOS DOWN-H-FAULTS: 24  
NOS DOWN-H-SPLINES: 6  
NOS COMPOSITES: 0

DDH: F4G4223    UTM-N: 904,512.6    UTM-E: 592,601.9    LIM-ELEV: 1,263.8    TOTAL DEPTH: 262.3    SECTION: W    56  
 RFE: S2 RFE DIR: 030 PLUNGE ANGLES: 11    312 DHD CALC: 1    SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
53.000	177.500	24.000
74.400	175.500	64.000
135.300	173.000	43.000
195.300	171.000	65.000
257.300	166.500	46.000

DDP: FAGA223 UTM-N: 9047812.6 UTM-E: 5927601.9 UTM-ELEV: 17263.8 TOTAL DEPTH: 262.3 SECTION: W 56  
 RFE: S2 RFE DIR: 230 FLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
49.1	0001	#		0.5-	1
50.9	0002	5B3	(504)MINOR	0.5-	1
52.0	0003	5C0		0.5-	1
57.8	0004	5C0		0.5-	1
61.2	0005	5B33	[5E0]	0.5-	1
69.9	0006	5C0		0.5-	1
80.2	0007	5B06		0.5-	1
89.9	0008	300	89 [5B6 82]	0.5-	1
91.4	0009	5C0		0.5-	1
94.5	0010	3E3		0.5-	1
96.0	0011	5B6		0.5-	1
97.3	0012	5E0	82	0.5-	1
97.9	0013	5F0	BEDDED TLFFS ?	0.5-	1
102.1	0014	5A6	(4E# 86) (504*)	0.5-	1
104.5	0015	300	89 (309)	0.5-	1
106.3	0016	309	83	0.5-	1
120.1	0017	300	[5B6]	0.5-	1
125.2	0018	3093	[5A0] BORDERLINE	0.5-	1
128.6	0019	300		0.5-	1
129.6	0020	309	83 [5A6]	0.5-	1
130.9	0021	300	89 (309)	0.5-	1
133.9	0022	309	[5A0] ??	0.5-	1
140.5	0023	309	83 [5B62 83]	0.5-	1
153.8	0024	5A0	(5E2)	0.5-	1
161.8	0025	303	NOT 5B -WEAK "C.S."	0.5-	1
164.7	0026	5A0		0.5-	1
165.8	0027	5A0		0.5-	1
168.4	0028	3093	CHL OR ACT "C.S." IN # BANDS	0.5-	1
168.6	0029	3093	OCUGE	0.5-	1
169.4	0030	3093	AS UNIT 28	0.5-	1
176.8	0031	5E2	[3F9]	0.5-	1
187.7	0032	5A0	-> 5A19 PC PY	0.5-	1
188.3	0033	5A0	(500)	0.5-	1
193.7	0034	5A0		0.5-	1
206.0	0035	309	83 MINOR "C.S." AS UNIT 25	0.5-	1
209.7	0036	5A0	83 "C.S."	0.5-	1
217.3	0037	309	83 WEAK "C.S."	0.5-	1
218.4	0038	5A0		0.5-	1
228.5	0039	309	83 "C.S."	0.5-	1
233.0	0040	5E2	[5A333...] [3F9]	0.5-	1
255.7	0041	5A0	(5A6)(506) MINOR	0.5-	1
256.4	0042	304	-> 100 BIO. ->CHL.	0.5-	1
258.8	0043	3113	? ROCK SHEARED	0.5-	1
258.5	0044	3F0	(3013)	0.5-	1
260.4	0045	301	83 [3033]	0.5-	1
262.4	0046	3F0	(301) AS UNIT 44	0.5-	1

DOWN-HOLE STRUCTURE (DHC20)

DDH: FAGA223 UTM-N: 904,512.6 UTM-E: 592,601.9 UTM-ELEV: 1,263.8 TOTAL DEPTH: 262.3 SECTION: W 56  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	SC	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHCC	SDC	PROCESS
FAGA223	0.0	49.4	CS2		0		C		C		55		230	C		1	1	1
FAGA223	0.0	57.2	CS2		C		C		C		70		230	C		1	1	1
FAGA223	0.0	63.5	CS2		C		0		0		65		230	C		1	1	1
FAGA223	0.0	68.6	CS2		0		C		0		70		230	C		1	1	1
FAGA223	0.0	77.6	CS2		C		C		C		68		230	C		1	1	1
FAGA223	0.0	81.9	PS2	P	C		C		0		60		230	C		1	1	1
FAGA223	0.0	87.4	PS2	P	0		C		0		50		230	C		1	1	1
FAGA223	0.0	92.9	PS2	P	0		C		C		70		230	C		1	1	1
FAGA223	0.0	98.7	PS2	P	0		0		0		65		230	C		1	1	1
FAGA223	0.0	104.2	PS2	P	C		C		0		70		230	C		1	1	1
FAGA223	0.0	110.6	PS2	P	0		0		C		60		230	C		1	1	1
FAGA223	0.0	116.4	PS2	P	0		C		0		74		230	C		1	1	1
FAGA223	0.0	121.8	PS2	P	0		C		0		70		230	C		1	1	1
FAGA223	0.0	127.7	PS2	P	C		G		C		68		230	C		1	1	1
FAGA223	0.0	132.2	PS2	P	C		C		0		85		230	C		1	1	1
FAGA223	0.0	139.3	PS2	P	C		0		0		77		230	C		1	1	1
FAGA223	0.0	145.4	PS2	P	C		0		C		80		230	C		1	1	1
FAGA223	0.0	151.7	PS2	P	0		C		0		85		230	C		1	1	1
FAGA223	0.0	157.5	PS2	P	C		C		C		78		230	C		1	1	1
FAGA223	0.0	163.5	PS2	P	C		0		0		55		230	C		1	1	1
FAGA223	0.0	165.9	PS2	P	0		0		0		65		230	C		1	1	1
FAGA223	0.0	172.5	PS2	P	C		0		C		75		230	C		1	1	1
FAGA223	0.0	178.6	PS2	P	C		C		G		75		230	C		1	1	1
FAGA223	0.0	184.7	PS2	P	C		0		0		85		230	C		1	1	1
FAGA223	0.0	191.2	PS2	P	C		C		C		78		230	C		1	1	1
FAGA223	0.0	197.1	PS2	P	0		0		0		83		230	C		1	1	1
FAGA223	0.0	200.5	PS2	P	C		0		0		78		230	C		1	1	1
FAGA223	0.0	206.5	PS2	P	C		C		0		80		230	C		1	1	1
FAGA223	0.0	212.2	PS2	P	C		0		C		80		230	C		1	1	1
FAGA223	0.0	217.6	PS2	P	C		C		C		70		230	C		1	1	1
FAGA223	0.0	227.3	PS2	P	0		C		C		70		230	C		1	1	1
FAGA223	0.0	233.2	PS2	P	0		0		0		70		230	C		1	1	1
FAGA223	0.0	234.0	PS2	P	C		0		0		60		230	C		1	1	1
FAGA223	0.0	241.4	PS2	P	C		C		C		70		230	C		1	1	1
FAGA223	0.0	244.0	PS2	P	C		0		0		64		230	C		1	1	1
FAGA223	0.0	249.3	PS2	P	0		0		0		80		230	C		1	1	1
FAGA223	0.0	253.6	PS2	P	C		C		0		80		230	C		1	1	1
FAGA223	0.0	257.7	PS2	P	C		C		C		75		230	C		1	1	1
FAGA223	0.0	262.0	PS2	P	0		C		C		75		230	C		1	1	1

DOWN-HOLE FAULTS (DHC20)

CDH: FAGA223 UTM-N: 904512.4 UTM-E: 592401.9 UTM-ELEV: 1203.8 TOTAL DEPTH: 262.3 SECTION: W 56  
 RFE: S2 RFE DIF: 230 FLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

CDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHC			
FAGA223	49.1	49.7	1G				C	C	99	999	1		
FAGA223	53.4	53.7	1G				C	C	0	0	1		
FAGA223	54.4	54.6	1G				C	C	0	0	1		
FAGA223	55.8	56.3	G				C	C	0	0	1		
FAGA223	70.8	71.3	BG				C	C	0	0	1		
FAGA223	77.5	79.5	1S				C	C	0	0	1		
FAGA223	75.0	80.2	B1G				C	C	0	0	1		
FAGA223	80.2	81.2	S				C	99	999	0	0	1	
FAGA223	0.0	81.3	G				C	C	0	0	1		
FAGA223	94.4	94.5	G				C	99	999	0	0	1	
FAGA223	95.9	96.0	G				C	99	999	0	0	1	
FAGA223	96.0	97.3	S				C	99	999	0	0	1	
FAGA223	97.9	102.1	G3F				C	99	999	0	0	1	
FAGA223	0.0	103.8	G				C	35	C	0	0	1	
FAGA223	115.0	118.6	G				C	0	3C	27C	0	0	1
FAGA223	121.1	121.3	G				C	0	C	C	0	0	1
FAGA223	161.8	164.7	BG				C	0	C	C	0	0	1
FAGA223	164.7	165.8	F?				C	0	C	C	0	0	1
FAGA223	168.4	168.6	G				C	0	2C	3C	0	0	1
FAGA223	0.0	220.8	G				C	0	99	999	0	0	1
FAGA223	0.0	224.9	G				C	0	99	999	0	0	1
FAGA223	252.0	252.7	G				C	0	99	999	0	0	1
FAGA223	252.7	255.7	S3F				C	0	C	C	0	0	1
FAGA223	256.4	256.8	S				C	0	C	C	0	0	1

DDH: FAGA223 UTM-N: 9047512.6 UTM-E: 5927001.9 UTM-ELEV: 17265.3 TOTAL DEPTH: 262.3 SECTION: W 56  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	SEGMENT NOS	COND INDICATOR
FAGA223	1	2
FAGA223	2	2
FAGA223	3	2
FAGA223	4	2
FAGA223	5	2
FAGA223	6	1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 16:39:32

DIAMOND DRILL CORE LOG

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

Hole Number: FACA-223 (82A-223)

Reference Fabric Orientation Diagram:

Project: 1982 GRUM DRILL PROGRAM

Location: VANGORDA PLATEAU

Claim: Champ 5

NTS ~~Ferr. Plane~~  
Co-ords.:

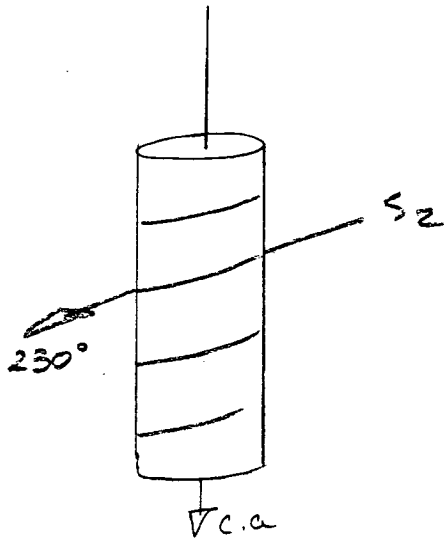
6904512.565 N

C.A.M.C. Mining Survey

592601.912 E

Grid Co-ords: 56W

1S



Elevation: 1263.792

All symmetry determinations looking

NW with S2 dipping

Total Depth: \_\_\_\_\_

SW with dip azimuth 230°.

Purpose: To test presence of HOR. 2 ore

Reason hole Terminated: Below possible ore depth through 303/1F unit into 1c/3G

Logged by: \_\_\_\_\_

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

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To	Collar Cased and Capped: _____
<u>NQ</u>	_____	_____	
_____	_____	_____	
_____	_____	<u>44</u>	

Hole Cemented: No

Steel down hole: No

Started: June 1/82 Completed: June 5/82

1123

DDH F.A.G.A.2.2.3  
 2 8

Diamond Drill Core Log

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

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E
1 2 8 10 16 17 24 25 32 34 39 41 42						
T	F.A.G.A.2.2.3	1,263.8	90,451.2	65,926.0	1.9 metres	S2

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1 2 8 10 14 22 26 28 32 34 56					
R	F.A.G.A.2.2.3	0	180.0	0.0	AT COLLAR
R	F.A.G.A.2.2.3	530	177.5	024.0	S.PERRY, SUN, SINGLE SHOT
R	F.A.G.A.2.2.3	744	175.5	064.0	
R	F.A.G.A.2.2.3	1,353	173.0	048.0	
R	F.A.G.A.2.2.3	1,963	171.0	068.0	
R	F.A.G.A.2.2.3	2,573	166.5	046.0	

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

Lithologic Log

Date: 20 June 82 Logged By: GAT/DST

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	100	149.1				1	#	O/B		
L	149.1	150.9				2	5B*	dol. (5D4 minor); incip gouge 49.1-49.7 X cutting S <sub>2</sub>		
L	150.9	152.0				3	5DQ	lower 11 S <sub>2</sub>		
L	152.0	157.8				4	5BQ	incipient gouge ≈ 11 S <sub>2</sub> 53.4-53.7; 54.4-54.6		
L	157.8	161.2				5	5B33	v. calc 5B to phyll. marble		
L	161.2	169.9				6	5BQ	55.8-56.3 gouged interval steeper than S <sub>2</sub> but specifically indeterminate		
L	169.9	180.2				7	5B*	ankente + calcite only 15% of core pieces in 10% HCl; sects. of core v. lt. gray fiss only slightly prebedded in 10% → ankente; interval has ankente filled vert. tension gashes; some gashes stepwise offset along S <sub>2</sub> some not → multiple generations; unit followed by fault w/ few tension gashes below; coal broken 70.8-71.3 w/ gouge - indeterminate; below 75.0 core broken & gouged (sub ⊥??); @ 77.1 core = 5D4* minor fucate; core wholly sheared below 77.5-79.5		
L	180.2	189.9				8	3GQ	±9 [5BQ±2]; 80.2-81.2 sheared 11 S <sub>2</sub> & v. carb.; gouge 81.3 indeter.		
L	189.9	191.4				9	5DQ			
L	191.4	194.5				10	5B3	94.4-94.5 gouged 11 S <sub>2</sub>		
L	194.5	196.0				11	5B*	ank.; 95.9-96.0 gouge 11 S <sub>2</sub>		
L	196.0	197.3				12	5BQ	±2 sheared ≈ 11 S <sub>2</sub>		
L	197.3	197.9				13	5FQ	strongly bedded tuffs		
L	197.9	102.1				14	5AG	(4E* calc. ± 4) (5D4* talose) fault gouge & breccia of sulfs & tuffs prob. DLDZ? 60% graph. gouge, 30% sulfs, 10% tuffs & phyll. — horizon ( smeared out along DLDZ; sulf. frags < 1mm - 1.3mm		
L	102.1	104.5				15	3GQ	±9 (3G9); gouge 103.8 35°/00		
L	104.5	106.3				16	3G9	±3 not carb. enough to be 5A		
L	106.3	123.1				17	3GQ	[5BQ]; 118.0-118.6 gouge 30°/270 0° X cuts S <sub>2</sub> ; indeter. " 121.1-121.3		

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	1231		1252						18	3G93	[5A0]; dker than last 3G93 but marginal for 5A borderline case	
L	1252		1286						19	3GA	} no gouge	
L	1286		1296						20	3G91		±3 [5A0] as #18
L	1296		1309						21	3G10		±9 (3G9)
L	1309		1339						22	3G91	[5A0] dker than above 3G9 units v. minor interleaved 5A2 "sooty"	
L	1339		1408						23	3G91	±3 [5B62±3]	
L	1408		1538						24	5A0	(5E2); local graded clastic ls. layers no tops; "So = L i.e. thin unit; minor SD3	
L	1538		1618						25	3G3	homo. m. gray, few. S <sub>2</sub> fol'd. phyll. that is w/ly calc. lacking lithol. struct. is not like 5B0; locally interbedded w/ 3B3 "tuff's" — NOT 5B	
L	1618		1647						26	5A0	core broken w/ indeter. gouges w/ sub-tension gashes	
L	1647		1658						27	5A0	fault, CaCO <sub>3</sub> healed; fault sub-⊥ or "fat" tension gash	
L	1658		1684						28	3G93	m. to m. dk. gray w/ distinct lt. gray mottling due to gty-CO <sub>2</sub> micro-tuffon stracts; reminiscent of calc-silicated layers w/o clino-amph. or chlor.; orig. lam. banded gty-CO <sub>2</sub> pellets <sup>not bio-</sup> <sub>trilobated</sub>	
L	1684		1686						29	3G93	fault gouge 20°/30	
L	1686		1694						30	3G93	c.f. #28 darker	
L	1694		1768						31	5E2	black phyllitic limestone c.f. #24 (SD3±bio); 5E2/5A sequence → anoxic "dead" bas	
L	1768		1877						32	5A0	not siliceous overall but containing thin sil. po+py containing layers → 5A9	
L	1877		1883						33	5A0	(500) thinly interbedded graded tuff beds in 5A; no tops poss.	
L	1883		1937						34	5A0	as #32; po in more siliceous lams. 1 tuff band w/ sharp lower, diffuse upper contact	
L	1937		2060						35	3G91	±3 chert but not well devel. → ducklist as unit #25 — minor calc. sil. bands	

← 5A33 previously

Code	From			To			Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34	35			
L	2060		2097						36			5A0	±3 w/ky "calc-silicate" ; calc-silicate laminae (better dev'd here than in units 25 & 35 ; "calc-sil" forming reactions may be governed by $K_2CO_3 \cdot H_2O$ causing variable time/loc. of appearance get overall impression hole is thru M region or down a limb giving exaggerated thicknesses of units	
L	2097		2173						37			3G9	±3 w/ "calc-silicate" bands ; 213.9-214.1 striped green SD like tuffs ± bio grading up & down hole into gray, micro-banded argill. s.l. i.e. tuff-pelite interbanding	
L	2173		2184						38			5A0		
L	2184		2285						39			3G9	±3 calc-silicate laminae as 25, 35, 36 gauge @ 220.8, 224.8 11 S <sub>2</sub> ; <sup>green layers</sup> well dev'd.	
L	2285		2330						40			5E2	[5A33333] black lam. banded phyl. ls. as 31, 24	
L	2330		2557						41			5A0	(5A6) becomes progressively less calc. from top 2 m of unit. ; v. minor tuffaceous bands (SDC) ; " " polyp (blks 11 S <sub>2</sub> ; limb or M region ; lt. n. calc. interbands (sty-mics) give w/ky "striped" appearance ; 252.0-252.7 gauge 11 S <sub>2</sub> heavily slicked S <sub>2</sub> ≈ down dip below gauge core sheared w/ slicked S <sub>2</sub> c.f. above & below Make Belux Fault	
L	2557		2564						42			3G4	trans ⇒ 100 retrograde chlor. due to MB Fault ;	
L	2564		2568						43			3D13	sheared	
L	2568		2585						44			3F0	(3D13)	
L	2585		2604						45			3D1	±3 [3B3]	
L	2604		2629						46			3F0	(3D1) as 44	

Structural Log

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.	
	28	32	34	38	40	44							
S				1494	CS12						55	21310	
S				1572	CS12						70		
S				1635	CS12						65		
S				1686	CS12						70		
S				1776	CS12						68		
S				1819	INDP						60		
S				1874	INDP						50		
S				1929	INDP						70		
S				1987	INDP						65		sheared // S <sub>2</sub>
S				1042	INDP						70		
S				1106	INDP						60		
S				1164	INDP						74		
S				1218	INDP						70		
S				1277	INDP						68		
S				1322	INDP						85		
S				1393	INDF						77		
S				1454	INDP						80		
S				1517	INDP						85		
S				1575	INDP						78		
S				1635	INDP						55		
S				1659	INDP						65		
S				1725	INDP						75		
S				1786	INDP						75		
S				1847	INDP						85		
S				1912	INDP						78		
S				1971	INDP						83		
S				2005	INDP						78		
S				2065	INDP						80		
S				2122	INDP						80		
S				2176	INDP						70		
S				2332	INDP						70		
S				2273	INDP						70		
S				2340	INDP						60		
S				2414	INDP						70		
S				2440	INDP						64		
S				2493	INDP						80		

DDH EAG.A.22-3  
2 8

# Cyprus Anvil Mining Corp.

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## Structural Log

Date: 20 June 82 Logged By: GAT/DST

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								
U						12536			I									80			2310	
U						12577			I									75				
U						12620			I									75				

DDH FAGA223  
<sup>2</sup> M <sup>8</sup>

Cyprus Anvil Mining Corp.

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

Structural Log

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

Code	From				To				Feature	E N	S <sub>0</sub>				S <sub>1</sub>				S <sub>2</sub>				Description
	1	10	14	16	20	22	24	26			28	32	34	38	40	44	Dip	Direct	Dip	Direct	Dip	Direct	
①		49	1		49	7	1		1G											99	99	99	
		53	4		53	7	1		1G														
		54	4		54	6	1		1G														
		55	8		56	3	G																
		70	8		71	3	B		1G														
		75	0		80	2	B		1G														
		72	5		79	5	S																
		80	2		81	2	S								99	99	99						
					81	3	G																
		94	4		94	5	G								99	99	99						
		95	9		96	0	G								99	99	99						
		96	0		97	3	S								99	99	99						
		97	9		102	1	G		3F						99	99	99						
					103	8	G								35	00	0						
		117	80		118	6	G								310	27	0						
		121	1		121	3	G																
		161	8		164	7	B		G														
		164	7		165	8	F		?														
		168	4		168	6	G								20	03	0						
					220	8	G								99	99	99						
					224	8	G								99	99	99						
		252	0		252	7	G								99	99	99						
		252	7		255	7	S		3F														
		256	4		256	8	S																

252.7

# DDH: FAGA223 -- 132 DEGREE PROFILE

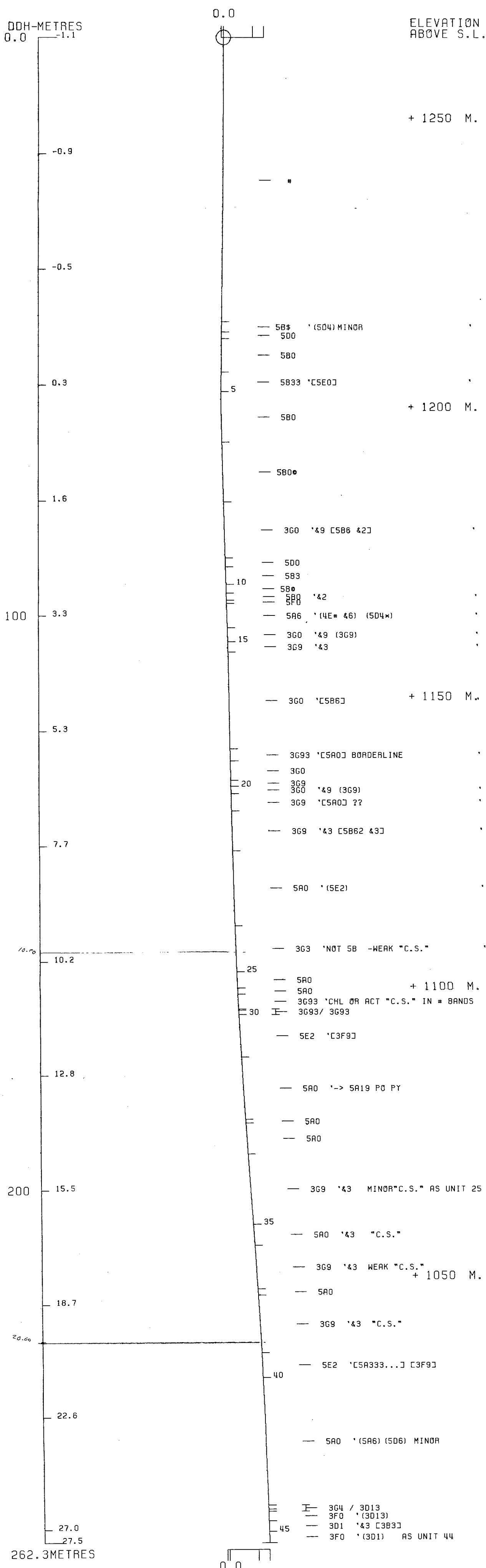
(VIEW AZIMUTH = 42 DEGREES)

ELEV: 1264 592602E ; 904513N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

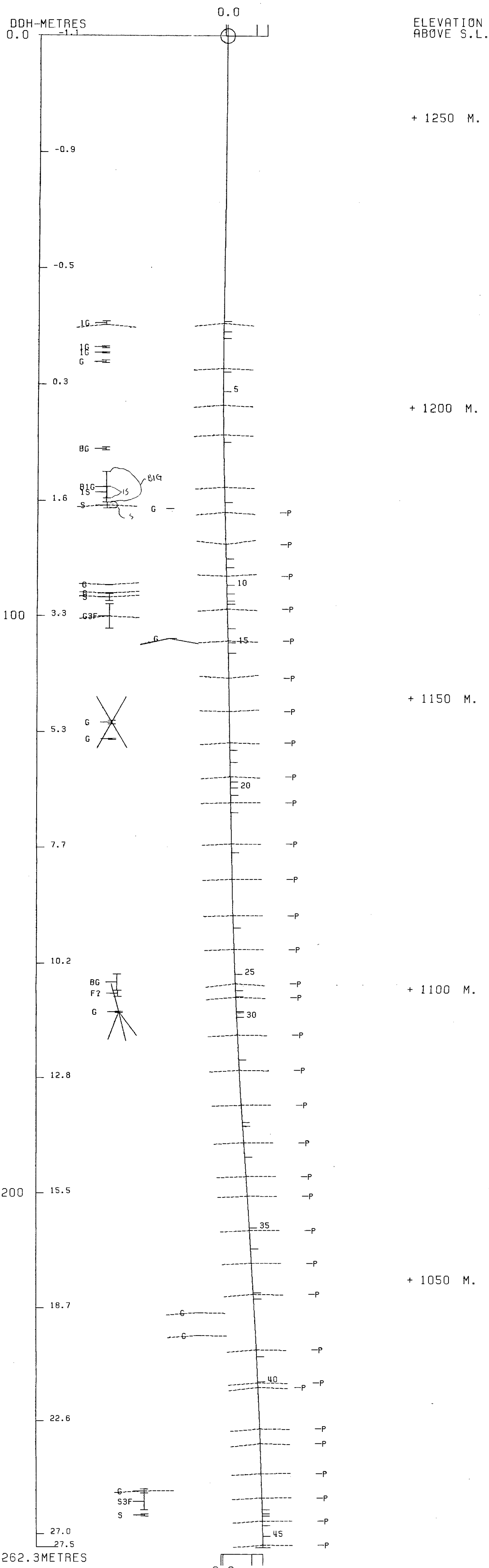
CORRECTED COLLAR POSITION: X = 1000.4 Z = 1263.8

SECTION NAME: 01S



DDH: FAGA223 -- 132 DEGREE PROFILE  
 ( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1264 592602E ; 904513N  
 PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2  
 CORRECTED COLLAR POSITION: X = 1000.4 Z = 1263.8  
 SECTION NAME: 01S



FAGA224

84/11/02

GRUM DATABASE - QUIZ REPORT

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DEH	SAMPLE	---DEPTHS---		INT	REC	RCKK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAC	PS+ZN	PC+PY	ZN
		FROM	TO	M	%	UNIT		%	%	%	G/MT	G/MT	%	%	%	%	%	RATIO
FAGA224	1249C	124.9	125.8	.9	100	4A1		.06	.26	.50	8.0					.76		.66
	12491	125.8	126.7	.9	100	4EC*		.16	.92	.95	22.0					1.88		.51
	12492	137.8	138.6	.8	87	4A0		.19	.45	.32	11.0					.77		.42

84/11/02

GRUM DATABASE - QUIZ REPORT

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DCH	SAPPL	ROCK UNIT	CPY	NCRMATIVE MINERALS - WEIGHT %					OTHER	CPY	NCRMATIVE MINERALS - VOLUME %					OTHER
				GA	SP	PC	PY	BAR			GA	SP	PO	PY	BAR	
	12490	4A1	.17	.30	.75				98.78	*						
FAGA224	12491	4E0*	.46	1.06	1.43				97.04	*						
	12492	4AC	.55	.52	.48				98.45	*						

DRILL HOLE : FAGA224  
NORTHING : 904,552.6  
EASTING : 592,557.6  
ELEVATION : 1,264.0  
TOTAL DEPTH : 215.5  
SECTION : W 58  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
CHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CORE-SAMPLES: 3  
NOS DOWN-H-SURVEYS: 6  
NOS DOWN-H-LITHOLOGY: 39  
NOS DOWN-H-STRUCTURE: 34  
NOS DOWN-H-FAULTS: 25  
NOS DOWN-H-SPLINES: 6  
NOS COMPOSITES: 0



CDH: FAGA224 UTM-N: 904,552.6 UTM-E: 592,557.6 UTM-ELEV: 1,204.0 TOTAL DEPTH: 215.5 SECTION: W 58  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	161.000	43.000
37.200	161.000	43.000
51.800	161.000	54.000
88.400	162.000	61.000
149.300	162.000	59.000
210.300	162.000	41.000

CDH: FAGA224 UTM-N: 904,552.6 UTM-E: 592,557.6 UTM-ELEV: 1,264.0 TOTAL DEPTH: 215.5 SECTION: W 50  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
49.0	OC01	*		0.5-	1
55.9	OC02	5E3	(5B83) GCLGE	0.5-	1
60.5	OC03	5B83		0.5-	1
67.9	OC04	5A6	(5B8)	0.5-	1
70.3	OC05	5B83	(10QC)	0.5-	1
75.3	OC06	5E3	GCUGE	0.5-	1
77.0	OC07	5E34	83 WEAK #	0.5-	1
78.3	OC08	5E2	83 V. WEAK #	0.5-	1
88.0	OC09	5A6		0.5-	1
97.8	OC10	5A6	(10QO)(5D1)	0.5-	1
98.3	OC11	4E0	BXA (4E4,5A,10QO)	0.5-	1
104.8	OC12	3G9	[5B62]	0.5-	1
109.8	OC13	3G9	[5B62]	0.5-	1
112.9	OC14	3G9	[5B62](10QO)	0.5-	1
115.0	OC15	5D4#	(10QC)	0.5-	1
120.9	OC16	5E3		0.5-	1
124.9	OC17	5E3	82 (5C4)	0.5-	1
125.8	OC18	4A1	BXA (5A#)	0.5-	1
126.7	OC19	4E0*	81 BXA (4A0)(4L5)	0.5-	1
130.1	OC20	5A6		0.5-	1
133.2	OC21	4C5	(5B6)(5B32)	0.5-	1
137.8	OC22	4L1	(10QC)	0.5-	1
138.6	OC23	4A0	81 (4E0) BXA	0.5-	1
141.5	OC24	5E6	(5D4*)	0.5-	1
145.6	OC25	3G0		0.5-	1
146.5	OC26	3G9	83	0.5-	1
152.3	OC27	3G3	[5B6 83] (3B3 810)	0.5-	1
154.4	OC28	5A3		0.5-	1
170.7	OC29	3G0	83 BI+CH+PC BANDS "CS" [3GSTR]	0.5-	1
173.2	OC30	5A6	83 89 PC	0.5-	1
184.8	OC31	5A3	-> 3F9	0.5-	1
191.0	OC32	5A61	THIN S102 BANDS	0.5-	1
191.8	OC33	5A6	83	0.5-	1
192.0	OC34	5A3	86 GOUGE WITH 4A AND 4E FRAGS.	0.5-	1
195.0	OC35	5A61		0.5-	1
200.3	OC36	5A61	83 (4A0->5A19) LCCAL	0.5-	1
203.3	OC37	5A6	(5D4#)	0.5-	1
206.2	OC38	5A6	GCUGE	0.5-	1
215.5	OC39	5A61		0.5-	1

DOWN-HOLE STRUCTURE (DHC20)

DDH: FAGA224 UTM-N: 904,552.6 UTM-E: 592,557.6 UTM-ELEV: 1,264.0 TOTAL DEPTH: 215.5 SECTION: W 58  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FFAT	SYMTRY	SC	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHCC	SDC	PROCESS
FAGA224	0.0	49.2	CS2		G		G	C		C	77	230		C		1	1	1
FAGA224	0.0	54.0	CS2		G		C	C		C	75	230		C		1	1	1
FAGA224	0.0	59.3	CS2		G		C	C		C	80	230		C		1	1	1
FAGA224	0.0	65.4	CS2		G		C	C		C	75	230		C		1	1	1
FAGA224	0.0	70.2	CS2		G		C	C		C	65	230		C		1	1	1
FAGA224	0.0	75.6	CS2		G		C	C		C	45	230		C		1	1	1
FAGA224	0.0	82.4	CS2		G		C	C		C	48	230		C		1	1	1
FAGA224	0.0	85.8	CS2		G		C	C		C	62	230		C		1	1	1
FAGA224	0.0	88.8	PS2	P	G		C	C		C	55	230		C		1	1	1
FAGA224	0.0	97.0	CS2		G		C	C		C	45	230		C		1	1	1
FAGA224	0.0	106.9	PS2	P	G		C	C		C	55	230		C		1	1	1
FAGA224	0.0	113.7	PS2	P	C		C	C		C	80	230		C		1	1	1
FAGA224	0.0	118.0	PS2	P	C		C	C		C	48	230		C		1	1	1
FAGA224	0.0	122.2	PS2	P	C		C	C		C	65	230		C		1	1	1
FAGA224	0.0	126.5	PS2	P	C		C	C		C	65	230		C		1	1	1
FAGA224	0.0	133.7	PS2	P	C		C	C		C	65	230		C		1	1	1
FAGA224	0.0	142.8	PS2	P	C		C	C		C	70	230		C		1	1	1
FAGA224	0.0	145.8	PS2	P	C		C	C		C	70	230		C		1	1	1
FAGA224	0.0	150.7	PS2	P	C		C	C		C	70	230		C		1	1	1
FAGA224	0.0	153.3	PS2	P	C		C	C		C	82	230		C		1	1	1
FAGA224	0.0	156.3	PS2	P	C		C	C		C	70	230		C		1	1	1
FAGA224	0.0	159.0	PS2	P	C		C	C		C	70	230		C		1	1	1
FAGA224	0.0	162.2	PS2	P	C		C	C		C	80	230		C		1	1	1
FAGA224	162.3	168.0	PS2	P	C		C	C		C	90	230		C		1	1	1
FAGA224	0.0	170.0	PS2	P	C		C	C		C	80	230		C		1	1	1
FAGA224	0.0	176.1	PS2	P	C		C	C		C	65	230		C		1	1	1
FAGA224	0.0	181.9	PS2	P	C		C	C		C	65	230		C		1	1	1
FAGA224	0.0	187.0	PS2	P	C		C	C		C	70	230		C		1	1	1
FAGA224	0.0	190.6	PS2	P	C		C	C		C	75	230		C		1	1	1
FAGA224	0.0	195.7	PS2	P	C		C	C		C	70	230		C		1	1	1
FAGA224	0.0	200.2	PS2	P	C		C	C		C	80	230		C		1	1	1
FAGA224	0.0	207.9	PS2	P	C		C	C		C	75	230		C		1	1	1
FAGA224	0.0	210.9	PS2	P	C		C	C		C	80	230		C		1	1	1
FAGA224	0.0	215.5	PS2	P	C		C	C		C	85	230		C		1	1	1

DLH: FAGA224 UTM-N: 904,552.6 UTM-E: 592,557.6 UTM-ELEV: 1,264.0 TOTAL DEPTH: 215.5 SECTION: W 58  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DPC			
FAGA224	54.2	54.6	G				0	0	0	0	1		
FAGA224	55.6	55.9	G				0	0	99	999	0	0	1
FAGA224	61.6	62.4	1FG				0	0	C	C	0	0	1
FAGA224	66.5	67.9	G				99	999	C	C	99	999	1
FAGA224	70.3	75.3	GF?	1			C	0	C	C	0	0	1
FAGA224	75.3	77.0	1GP	3			C	0	0	C	0	0	1
FAGA224	77.0	78.3	G				C	0	C	C	0	0	1
FAGA224	80.8	82.3	G	3			C	0	C	C	0	0	1
FAGA224	78.3	88.0	B1G				0	0	C	C	0	0	1
FAGA224	88.0	97.8	GBF	4			C	0	C	C	0	0	1
FAGA224	97.8	98.3	X				C	0	C	C	0	0	1
FAGA224	98.3	104.8	BGF				C	0	C	C	0	0	1
FAGA224	105.9	106.0	G				0	0	4C	18C	0	0	1
FAGA224	109.8	112.9	GS				0	0	99	999	0	0	1
FAGA224	112.9	115.0	1G				0	0	C	C	0	0	1
FAGA224	124.9	125.8	XF?				0	0	C	C	0	0	1
FAGA224	125.8	126.7	X?				C	0	C	C	0	0	1
FAGA224	126.7	130.1	GB				C	0	C	C	0	0	1
FAGA224	130.1	133.2	2G				C	0	0	C	0	0	1
FAGA224	133.2	137.8	BG				0	0	C	C	0	0	1
FAGA224	137.8	138.6	X?				0	0	0	C	0	0	1
FAGA224	138.6	141.5	G				99	999	C	C	0	0	1
FAGA224	141.5	142.2	1G				C	0	C	C	0	0	1
FAGA224	191.8	192.0	G				99	999	C	C	99	999	1
FAGA224	203.3	206.2	G				99	999	C	C	0	0	1

CDH: FAGA224 UTM-N: 904,552.6 UTM-E: 592,557.6 UTM-ELEV: 1,264.0 TOTAL DEPTH: 215.5 SECTION: W 59  
 RFE: S2 RFE DIR: 250 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

CDH SEGMENT NOS COND INDICATOR

FAGA224	1	2
FAGA224	2	2
FAGA224	3	2
FAGA224	4	2
FAGA224	5	2
FAGA224	6	1

DIAMOND DRILL CORE LOG

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

Hole Number: FAGA-224 (B2A-224) Reference Fabric Orientation Diagram:

Project: 1982 GRUM DRILL PROGRAM

Location: VANGORDA PLATEAU

Claim: ? Fraction

NTS ~~Ferr. Plane~~  
Co-ords.:

6904552.583 N

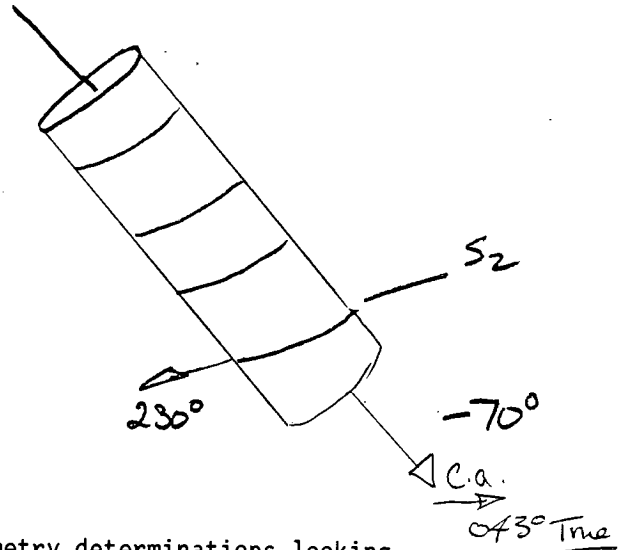
AMC Mine  
Survey

592557.590 E

Grid  
Co-ords:

58 W

1 S



All symmetry determinations looking

Elevation: 1264.032

NW with S2 dipping

Total Depth: 215.5m (707 feet)

SW with dip azimuth 230°.

Purpose: To intersect HOR. 2 core in F2 Anticlinal synform.

Reason hole Terminated: Crossed plane of projection of FAGA 221 drill hole onto Xsection 58W.

Logged by: DES/PST

Date(s) Logged: June 16/82

Drilling Contractor: Arctic Diamond Drilling Ltd

Size	CORE From	To	Collar Cased and Capped:
<u>NO</u>	<u>49.0</u>	<u>215.5m</u>	<u>NO</u>

Hole Cemented: NO

Steel down hole: none

S38

Started: June 2/82 Completed: June 8/82

DDH FAG.A.224  
2 8

Diamond Drill Core Log Date: \_\_\_\_\_ Logged By: \_\_\_\_\_

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.
1	2	8	10	16 17	24 25	32 34 39 41 42
T	FAG.A.224	11264.0	904552.6	592557.6	metres	S2

Do not use →

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2	8	10	14 22	26 28 32 34 56
R	FAG.A.224	000	161.0	043.0	AT COLLAR
R	FAG.A.224	372	161.0	043.0	ACID TEST CASING
R	FAG.A.224	762	162.0	043.0	ACID TEST CASING
R	FAG.A.224	518	161.0	054.0	SPIERRY SUN SINGLE SHOT
R	FAG.A.224	884	162.0	061.0	" " "
R	FAG.A.224	1493	162.0	059.0	" " "
R	FAG.A.224	2103	162.0	041.0	" " "

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

Core	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	00	490		1	*	OB & tricone
L	490	559		2	5B3	(5B83) strongly calc gouge 54.2-54.6 (noon int.) 55.6-55.9 // S <sub>2</sub>
L	559	665		3	5B83	strongly calc. More chloritic than U.2, good microlithon texture Calcite tension fract. 25°/34° related to last gouge U2. Inference of tension fractures is above gouge gravity slide 61.6-62.4 sub L CO <sub>2</sub> healed fr.
L	665	679		4	5A6	(5B8) Gouge upper cut. sub // S <sub>2</sub> , lower cut // S <sub>2</sub> No tension frs. large OGO ft wall in unit 5
L	679	703		5	5B83	strong calc (OGO)
L	703	753		6	5B8	Gouge. weakly calc. & mismatch Rec 0.3m Poss. Fault?
L	753	770		7	5B84	±3 weakly calc. Incip. gouge // S <sub>2</sub> thru out 0.6m rec over interval
L	770	783		8	5B2	±3 v. weakly calc. gouge over interval. upper cut. ind. 1. cut. ind.
L	783	880		9	5A6	Core bkn. narrow gouges thru out. (2) 80.1 (5cm) 80.6 (2cm) // S <sub>2</sub> , 80.8-82.3 (0.4m rec) upper cut ind. lower cut // S <sub>2</sub>
L	880	978	3.8	10	5A6	(OGO, SD1) gouged, bkn core - major ft zone 93.5 (0.3m) Rec. 3.8m S <sub>2</sub> steep probable shallow NE S <sub>2</sub> dip
L	978	983		11	4E0	(4E4, 5A, OGO) Bx td. Horse in fault. 6-7% Pb + Zn.
L	983	1048	0.5	12	3G9	[5B62] bkn core gouge Rec. 0.5m Continuation of fault unit 10. upper cut. ind & lower
L	1048	1098		13	3G9	[5B62] striped lighter than above unit ht. gouge. 105.9-106.0 fault. 40/180 rel. S <sub>2</sub> drag in ft wall thymlos high L reverse SW dip assuming NE S <sub>2</sub> dip.
L	1098	1129		14	3G9	[5B62] (OGO) ht. gouged, shield thru out // S <sub>2</sub> , sub // S <sub>2</sub> upper & lower cut.
L	1129	1150		15	5DA*	dol. (OGO) Numerous 1-2cm int gouges // S <sub>2</sub>
L	1150	1209		16	5E*3	dol. light grey CO <sub>2</sub> rich dol. → Cal lower 0.7m cal → dol.
L	1209	1249		17	5B3	±2 weakly calc (SD4) similar to U. 16 Re: CO <sub>2</sub> package

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	1249		1258			18	4A,1	bxt'd, fract'd c' 0.4m SA* @ top.		
L	1258		1267			19	4EO* ±1	bx. (4A0, 4L* dol) all in bx shear		
L	1267		1301			20	SA6	Co <sub>2</sub> sp. vein b'ts. gneiss, ben thruout essent // S <sub>2</sub>		
L	1301		1332	06		21	ADS	(SB6, SB32) gauge top & bottom 60 gauge 405 weak gneiss in centre, upper cut ind, lower // S <sub>2</sub> <u>thruout</u>		
L	1332		1378			22	4L,1	ben & gneiss thruout all // S <sub>2</sub> <u>avg 3cm thick</u> (000) ⇒ 15°		
L	1378		1386			23	4A0	±1 (4EO) bx thruout. 3cm 4E bx band at top		
L	1386		1415			24	SB6	(SD4*) gauge, upper cut // S <sub>2</sub> , lower cut ind.		
L	1415		1456			25	3G0	Incl. gneiss // S <sub>2</sub> to 142.2		
L	1456		1485			26	3G9	±3 CO <sub>2</sub> in distinct band 2-5cm thick.		
L	1485		1523			27	3G3	[SB6±3] weakly biotitic CO <sub>2</sub> bands thruout re 3B3 biotitic		
L	1523		1544			28	SA3	CO <sub>2</sub> in thin bands thruout.		
L	1544		1707			29	3G0	±3 minor weakly calc. bands with bio, chlor, po giving calc sil. like appearance of <u>see</u> rocks under Swin lakes!		
L	1707		1732			30	SA6	±3 ± po weakly calc in bands.		
L	1732		1848			31	SA3	strongly calc. locally approximate JFO cf. Swin lake SA above deposit.		
L	1848		1910			32	SA6,1	charc. by <u>thinly laminar</u> banded or striped gneissitic / SiO <sub>2</sub>		
L	1910		1918			33	SA6	±3 weakly calc thin bands		
L	1918		1920			34	SA3	±6 gauge, <u>upper cut</u> // S <sub>2</sub> base non calc with 4A0 <u>with 4A0</u> upper strongly calc S <sub>2</sub> 70° // slices like 10° // veins above 30' / 60' <u>is Transverse</u>		
L	1920		1950			35	SA6,1	similar to unit 32		
L	1950		2003			36	SA6,1	±3 c' thin local 4A0 ⇒ SA19 podem. bands & black v. finely x-line perv. foliated SiO <sub>2</sub> bands of porcellanites poss. exhibiting C-cherts <u>This unit prob. HOR 1(2)</u> in DRP.		
L	2003		2033			37	SA6	(SD4* calc) <u>vs</u> sharp cut of SD c' SA in the SD = volc. sed. dep nearly <u>contempt c' above</u> exhalative.		

DDH F.A.G. A224  
2 8

Cyprus Anvil Mining Corp.

Page 5 of 7

Lithologic Log

Date: June 6/82 Logged By: DJ/RST

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	2033	2062								38	SA.6	Gauge lower cut ind. pass // Sz. Pass driller good. Upper cut // Sz. One steep ind. fault wedged @ 20% to c.a. slickens like 25° imply transverse movement
L	2062	2155								39	SA.6.1	as previous units E of H.

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	Dip	Direct.	Dip	Direct.	Dip	
S			492	CSZ						77	230	
S			540	CSZ						75		
S			593	CSZ						80		
S			654	CSZ						75		
S			702	CSZ						65		
S			796	CSZ						45		
S			824	CSZ						48		
S			858	CSZ						62		
S			888	INDP						55		
S			970	CSZ						45		
S			1057	INDP						55		
S			1137	INDP						80		
S			1180	INDP						48		
S			1222	INDP						65		
S			1265	INDP						65		
S			1337	INDP						65		
S			1428	INDP						70		
S			1458	INDP						70		
S			1507	INDP						70		
S			1533	INDP						82		
S			1563	INDP						70		
S			1590	INDP						70		
S			1622	INDP						80		
S	1623		168	INDH								⇒ L to ca
S			170	INDP						80		
S			1761	INDP						65		
S			1819	INDP						65		
S			1870	INDP						70		
S			1906	INDP						75		
S			1957	INDP						70		
S			2002	INDP						80		
S			2079	INDP						75		
S			2109	INDP						80		
S			2155	INDP						85		

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	1127	9	1125	8	12490		09		09			AA11	
P	1125	8	1126	7	12491		09		09			4E0* ± 1 (4A0, 4lx dol)	bx
P	1137	8	1138	6	12492		08		07			4A0 ± 1 (4E0)	bx

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	1	2	7	9	1	2	5	8	1	2	4	9	10	0	9	1	0	9	1	0	9	1	0	9	1	0	9	4	A	1	1	
P	1	2	5	8	1	2	6	7	1	2	4	9	1	0	9	1	0	9	1	0	9	4	E	0	x	±	1	(4A0, 4Lx d0)	bx			
P	1	3	7	8	1	3	8	6	1	7	4	9	2	0	8	1	0	7	1	0	7	4	A	0	±	1	(4E0)	bx				

Prep'd by GUMBOCO.

A 224

			Pb	Zn	Pb+Zn	Int.
124.90	-125.8	12490	0.26	0.5	0.76	0.9
125.8	-126.7	12491	0.92	0.96	1.88	<u>0.9</u>
						1.8 @ 1.32
137.8	-138.6	12492	0.45	0.32	0.77	0.8

DDH FAGA 224  
2 8  
 meters

Cyprus Anvil Mining Corp.

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

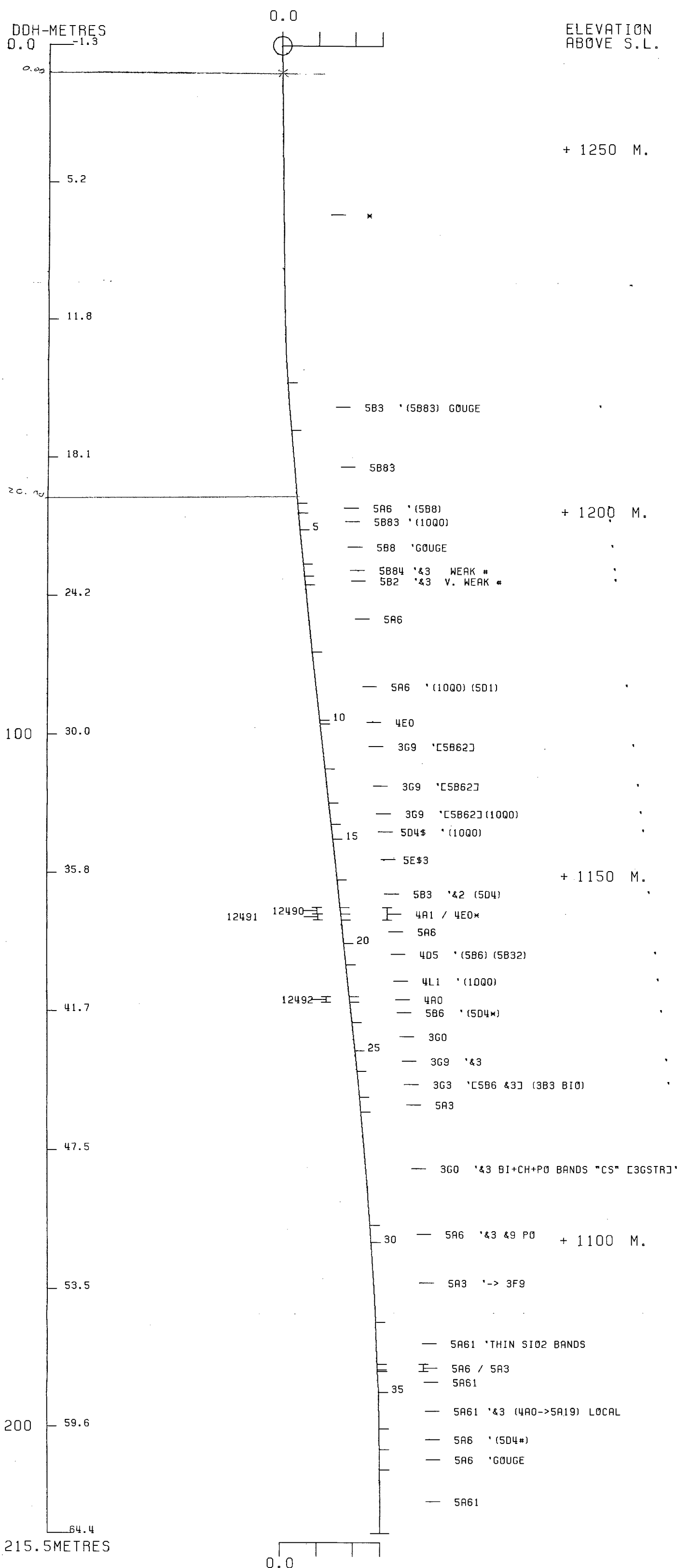
~~FAULT~~  
 Structural Log

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

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	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
F	542			546	G												
F	556			559	G						99	99	99				
F	616			624	IFQ												
F	665			679	G				99	99	99			99	99	99	
F	703			753	GF?	1											
F	753			770	IGP3												
F	770			783	G												
F	783			880	BIG												
F	880			978	GBF4												
F	808			823	G	3											
F	978			983	X												
F	983			1048	8GF												
F	1059			1060	G						40	180					
F	1098			1129	SS						99	99	99				
F	1129			1150	IG												
F	1249			1258	XF?												
F	1258			1267	X?												
F	1267			1301	GB												
F	1301			1332	2G												
F	1332			1378	8G												
F	1378			1386	X?												
F	1386			1415	G				99	99	99						
F	1415			1422	IG												
F	1918			1920	G				99	99	99			99	99	99	
F	2033			2062	G				99	99	99						

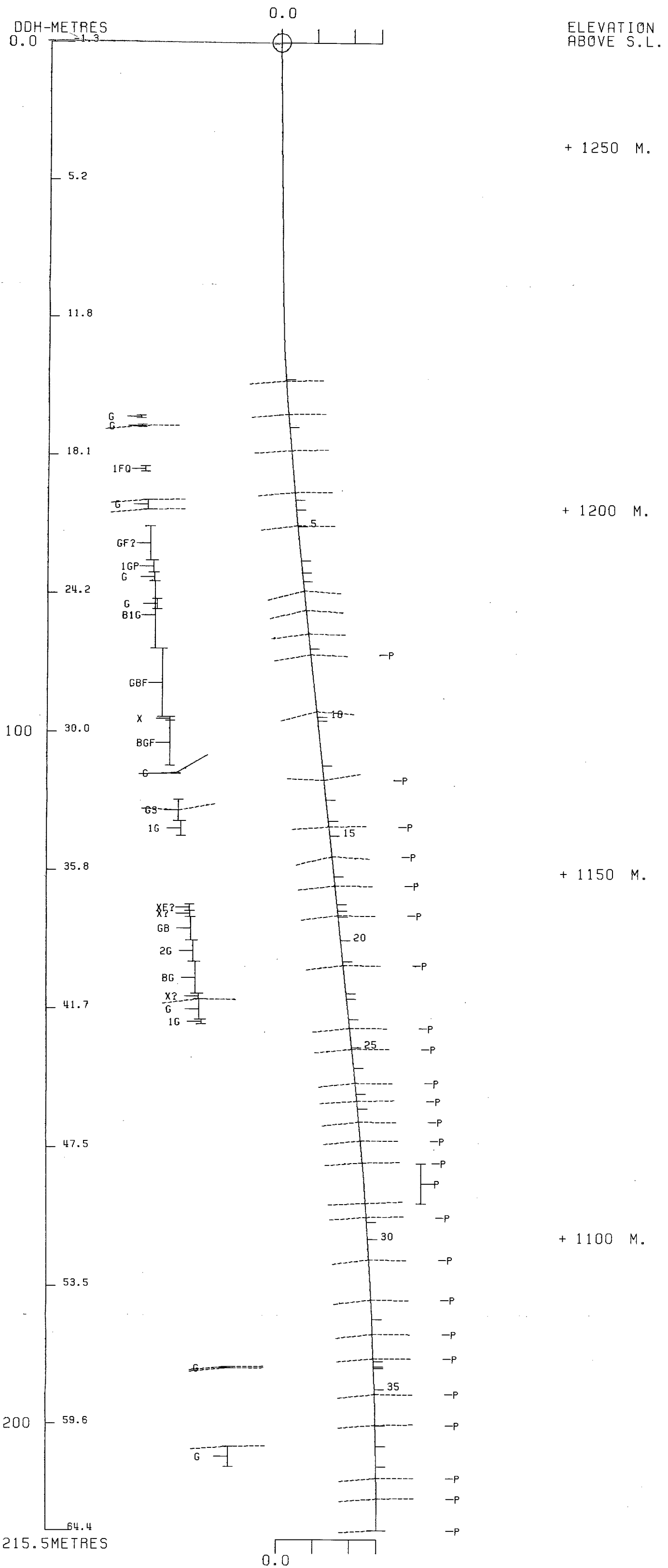
DDH: ~~FAG224~~ -- 132 DEGREE PROFILE  
 ( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1264 592558E ; 904553N  
 PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2  
 CORRECTED COLLAR POSITION: X = 940.7 Z = 1264.0  
 SECTION NAME: 01S



# DDH: FAGA224 -- 132 DEGREE PROFILE ( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1264      592558E ; 904553N  
 PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2  
 CORRECTED COLLAR POSITION: X = 940.7    Z = 1264.0  
 SECTION NAME: 01S



FACU058

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

## DETAIL RECORD COUNTS:

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

21NOV83 GRUM

## ORE SAMPLES &amp; ASSAYS (DHO20)

PAGE: 51

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

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	ASSAYS										S.G. W.R.					
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %		HG %	MN %	AS %	BA %	
.0	2.1	06950	2.1	1.5	4E4	4.74	.26	2.70	3.10	41.00	43.00	1.85	1	37	38						
2.1	4.2	06951	2.1	2.1	4E4	4.92	.28	4.79	7.40	58.99		2.81	1	35	37						
4.2	5.9	06952	1.7	1.3	4G4	4.80	.27	6.40	9.30	105.00		1.98		21	22						
5.9	7.6	06953	1.7	1.5	4G4	4.67	.17	7.20	12.69	163.00		2.06		15	15						
7.6	9.0	06954	1.4	1.3	4E4	4.59	.07	7.49	12.40	99.00		1.16	1	27	29						
9.0	9.7	06955	.7	.5	5C*	2.93	.01	.17	.31	1.99		.20	6	1	8						
9.7	10.2	06956	.5	.5	4L0	3.37	.02	.66	1.05	6.99		.27	3	13	17						
10.2	11.7	06957	1.5	1.3	4E4	3.74	.07	1.77	3.29	36.00		.62	6	21	27						
11.7	13.0	06958	1.3	1.2	5A6	3.00	.05	.42	.58	3.00		.20	3	4	7						
13.0	13.7	06959	.7	.6	5C3	3.68	.16	3.89	7.09	80.00		.40	6	15	21						
13.7	14.7	06960	1.0	1.0	5B12	2.99	.04	.62	1.31	6.00	10.00	1.16	3	2	5						
14.7	15.7	06961	1.0	.8	4E4	4.83	.28	9.59	19.80	139.00		.34	2	20	23						
15.7	16.6	06962	.9	.8	4G4	4.55	.24	5.79	15.90	86.00		.47		16	17						
16.6	17.6	06963	1.0	1.0	4E4	4.59	.40	5.79	15.49	87.00		1.85	1	23	24						
17.6	18.5	06964	.9	.9	4E4	4.40	.17	7.40	18.00	119.99		1.98	1	24	25						
26.6	28.3	06965	1.7	1.5	4E10	3.20	.11	.76	.80	7.99		.20	8	12	20						
87.1	88.3	06966	1.2	1.1	4E84	4.42	.20	6.79	3.49	72.00		1.16	12	25	37						
88.3	89.4	06967	1.1	1.0	4E84	4.50	.20	7.99	3.39	97.00		1.78	6	28	35						
89.4	91.1	06968	1.7	1.4	4E0	4.46	.34	.55	.40	21.00		1.30	3	39	42						
91.1	92.7	06969	1.6	1.5	4E0	4.44	.31	.52	.64	19.00		1.23	2	38	40						
92.7	94.3	06970	1.6	1.2	4E4	4.32	.14	4.70	4.29	78.00		1.58	2	30	32						
94.3	96.3	06971	2.0	1.9	4E0	4.57	.20	1.87	1.11	47.00	48.00	1.54	1	36	37						
96.3	98.0	06972	1.7	1.7	4E4	4.08	.20	3.20	1.60	58.99		1.51	4	28	33						
98.0	93.6	06973	.6	.3	5D4\$	3.33	.14	.28	.17	13.99		.40	4	15	19						
98.6	99.8	06974	1.2	.9	4E4#	4.04	.08	5.92	7.20	92.00		.81	4	19	24						
WEIGHTED AVERAGE																					
.0	18.5		18.5	16.3		4.28	.18	4.52	8.39	72.45	5.42	1.36	2	21	23						
26.6	28.3		1.7	1.5		3.20	.11	.76	.80	7.99		.20	8	12	20						
87.1	99.8		12.7	11.0		4.31	.21	3.36	2.37	54.88	7.55	1.35	4	30	35						

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 52

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

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

21NOV83 GRUM

## DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 53

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

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
4.2	0001	4E4	8POROUS (4E0)	0.5-	1
7.6	0002	4G4	(4E46)	0.5-	1
9.0	0003	4E4	86 81 (5B16) MINOR	0.5-	1
9.7	0004	5C+	(5C3) 70:30	0.5-	1
10.2	0005	4L0	(4C0) (508) MINOR	0.5-	1
11.7	0006	4E4	(5B126) (4E14SERICITIC) 47:13:40	0.5-	1
13.0	0007	5A6	(5B126)	0.5-	1
13.7	0008	5C3	(4E4) (4E1)	0.5-	1
14.7	0009	5B12	6	0.5-	1
15.7	0010	4E4	(4G4)	0.5-	1
16.6	0011	4G4		0.5-	1
18.5	0012	4E4	(4G4) 75:25	0.5-	1
22.7	0013	5B26	9 SPHAL (5A69) (5B1269)	0.5-	1
23.7	0014	3D7	89 BIO	0.5-	1
26.6	0015	3G0		0.5-	1
28.3	0016	4E10	BXA	0.5-	1
28.9	0017	4L1		0.5-	1
38.4	0018	5B0	(5B20)	0.5-	1
39.7	0019	5B0	(5D0)	0.5-	1
44.2	0020	5C3	(5B80)	0.5-	1
52.3	0021	5D0		0.5-	1
53.2	0022	5E4	[5C43]	0.5-	1
58.4	0023	5D0	[5F3] [5B80]	0.5-	1
66.8	0024	5B80	[5D0 PHYLLITIC]	0.5-	1
69.0	0025	5B0	82 (5D0)	0.5-	1
70.0	0026	5C0		0.5-	1
73.1	0027	5B0	[5D0 PHYLLITIC]	0.5-	1
82.3	0028	5D0		0.5-	1
84.2	0029	5B40	86 [5D0 PHYLLITIC]	0.5-	1
85.8	0030	10Q0		0.5-	1
87.1	0031	5B6		0.5-	1
89.4	0032	4E84		0.5-	1
92.7	0033	4E0		0.5-	1
94.3	0034	4E4		0.5-	1
96.3	0035	4E0	(4E4)	0.5-	1
98.0	0036	4E4	(4E0)	0.5-	1
98.6	0037	5D4\$	[5F4\$] (4E0)	0.5-	1
99.8	0038	4E4#	8POROUS	0.5-	1
106.6	0039	4L0	82 83	0.5-	1

21NOV83 GRUM

## DOWN-HOLE STRUCTURE (DH020)

PAGE: 54

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

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU058	0.0	0.2	CS2	S	0	0	0	0	70	230	0		1	1	1
FAGU058	0.0	6.2	CS2		0	0	0	0	57	230	0		1	1	1
FAGU058	0.0	12.2	CS2		0	0	0	0	55	230	0		1	1	1
FAGU058	0.0	17.0	CS2	S	0	0	0	C	40	230	C		1	1	1
FAGU058	0.0	24.0			0	0	0	C	1	230	0		1	1	1
FAGU058	0.0	30.0			0	0	0	0	7	230	0		1	1	1
FAGU058	0.0	36.0			0	0	0	0	3	230	0		1	1	1
FAGU058	0.0	42.0			0	0	0	0	6	230	0		1	1	1
FAGU058	0.0	48.0			0	0	0	0	52	230	0		1	1	1
FAGU058	0.0	54.0			0	0	0	C	25	230	C		1	1	1
FAGU058	0.0	60.0			0	0	0	0	1	230	0		1	1	1
FAGU058	0.0	66.0			0	0	0	0	20	230	0		1	1	1
FAGU058	0.0	72.0			0	0	0	0	14	230	C		1	1	1
FAGU058	0.0	78.0			0	0	0	0	1	230	0		1	1	1
FAGU058	0.0	83.0			0	0	0	0	5	230	0		1	1	1
FAGU058	0.0	89.0	CS2	S	0	0	0	0	18	230	C		1	1	1
FAGU058	0.0	95.0	CS2	S	0	0	0	0	25	230	0		1	1	1
FAGU058	0.0	101.0			0	0	0	0	3	230	0		1	1	1
FAGU058	0.0	106.0			0	0	0	0	6	230	0		1	1	1

21NOV83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 55

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

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGU058	0.0	9.7	X				0	0	0	0	1		
FAGU058	26.6	28.3	X				0	0	C	C	0	0	1
FAGU058	38.9	39.0	G				17	180	C	C	0	0	1
FAGU058	84.2	85.8	Q				0	0	0	C	0	0	1

21NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 56

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

DDH SEGMENT NOS COND INDICATOR

FAGU058	1	2
FAGU058	2	2
FAGU058	3	1

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

DIAMOND DRILL CORE LOG

Date: 1 July / 81

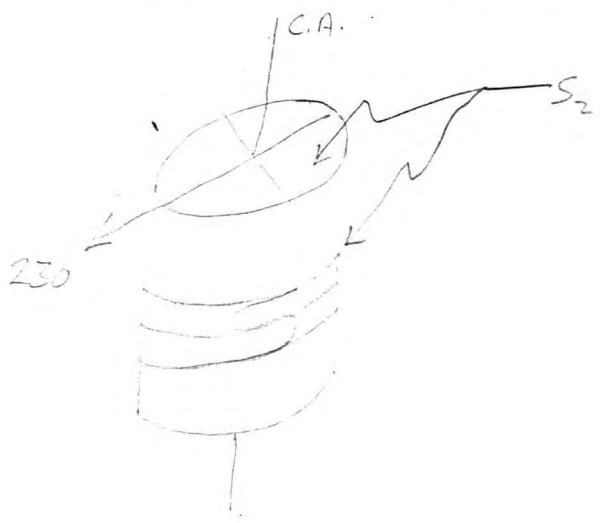
Hole Number: FAGU-53 (73-0-53)

Reference Fabric Orientation Diagram:

Project: GRUM

Location: SECTION 76 W

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



All symmetry determinations looking

<sup>UTM</sup>  
Terr. Plane Co-ords.: 6 905 002.4 N

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

592 227.5 E

SW with dip azimuth 230°.

Grid Co-ords: 2+19m N

*Conversion of K-A surveyed coordinates*

76+00m W.

Elevation: 1125.7m

Total Depth: 106.6m

Purpose: RELOG GRUM

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

Logged by: GG

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

Drilling Contractor: CARSON McCUTCHEON

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

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

Steel down pipe: \_\_\_\_\_

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



DDH FA.G.U.058  
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: 30 June/81 Logged By: GG

UNITS = METRES

Code	From		To		Recov.	No.	Unit	Description	F/W CNT			
	10	14	16	20					22	24	26	28
L	00		17			0101	AEA1	+(4E0)+(4E4-POROUS LAMS TOWARD F/W) → NOTE - THIS IS A HORIZONTAL DDH - F/W IS CONSIDERED TO BE AWAY FROM THE DRILL COLLAR: 0.0-0.3 - 4E4-HIGH GRADE	PROB	11S <sub>2</sub>		
L	49		76			0102	AGA1	+(4E6A) - HONEY SPHAL + 40% BARITE IN AGA;		11S <sub>2</sub>		
L	76		90			13	AEA1	±61; HIGH GRADE; +(minor SB16)	PROB	11S <sub>2</sub>		
L	90		97			4	5C1*	ANK/DOLO + (5C3 @ 7.0-9.2) FUCHSITE 4% @ 9.0-9.4 m) [5F*?]		11S <sub>2</sub>		
L	97		110.2			5	A110	+(4C0) - BRECCIA @ 10cm H/W = 4LO CLASTS IN 4C0 MATRIX - PROB NOT FOLD; + (5D*ANK-MINOR)	5cm BRECCIA 4E4+QZ IN 4C0			
L	110.2		111.7			6	AEA1	+(5B126 @ 10.9-11.1) +(4E4-SERRICITIC @ 11.1-11.7m)		11S <sub>2</sub>		
L	111.7		113.0			7	5A161	+(5B126)		11S <sub>2</sub>		
L	113.0		113.7			8	5C131	*(1% FUCHSITE/ANK) + (4E4) + (4E1)	TRUBBLE PROB	11S <sub>2</sub>		
								F <sub>1</sub> FOLD? ——— (NO NOSE SEEN)	<del>5A161</del> 4E1 5C3 4E4 <del>5C3</del> 5B126			
L	113.7		114.7			9	5B12	1/6 - 5A1 - ROUNDED RIP-UP CLAST @ H/W;		11S <sub>2</sub>		
L	114.7		115.7			10	AEA1	+(AGA) - 2cm H/W PΦ;		11S <sub>2</sub>		
L	115.7		116.6			11	AGA1	HONEY + LT. ORANGE SPHAL; 25% BARITE;				
L	116.6		118.5			12	AEA1	+(AGA @ 17.1-17.6 AS UNIT 11); POSS FOLD CORRELAT'N OF UNIT 10;?		11S <sub>2</sub>		
L	118.5		22.7			13	5B126	1/9 → 0.5% SPHAL + (5A69) + (5B126 @ 22.2-22.7m)		11S <sub>2</sub>		

DDH FAGU.058

Cyprus Anvil Mining Corp.

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UNITS = METRES

Lithologic Log

Date: 30 JUNE/81 Logged By: GG

Code	From		To		Recov.	No.		Unit	Description	F/W CNT			
	10	14	16	20		22	24			26	28	30	34
L	22	27	23	27		114	31D(7)	±9	SPHAL, GALCWA, PY IN CALCITE VEINLETS; SHARP CONTACTS. BROWN TINT DUE TO BIOTITE (KIND OF A STRANGE UNIT); GREEN LAMS = CHLORITIC			11S <sub>2</sub>	
L	23	27	26	26		115	3G-210		TRACE SULPHIDES = PO + PY.	PROB		11S <sub>2</sub>	
L	26	26	28	23		116	4E14		<u>TBRECCIA</u> - 4LO + ANIK. CHAZY CLASTS IN OPEN 4E14 <sup>HEALED</sup> MAFIC + (10cm H/W 4B0 - SERICITIC)			11S <sub>2</sub>	
L	28	23	28	29		117	A141			GRADDS 10 cm		11S <sub>2</sub>	
L	28	29	38	24		118	5B31		SERICITIC @ 1m H/W; +(5B23)			11S <sub>2</sub>	
L	38	24	39	27		119	5B31		+(5D3); GOUGE @ 38.9-39.0 m; CALCITIC WITH CHLORITE STREAKS			11S <sub>2</sub>	
L	39	27	44	22		120	5C31		+(5B83) → BOTH MIXED IN BLOTBY BOUNDARIED(?) MASSES THROUGHOUT UNIT;			11S <sub>2</sub>	
L	44	22	52	23		121	5D31		MASSIVE; SOME CALCITE LAMS @ 30cm H/W & F/W (FOLDED?)			11S <sub>2</sub>	
L	52	23	53	22		122	5E4		[5C43?] LOOKS LIKE 5C BUT LACKS CHLORITE;	GRADDS 20cm		11S <sub>2</sub>	
L	53	22	58	24		123	5D31		SERICITIC, CHLORITE & CALCITE LAMS; [5F3]			11S <sub>2</sub>	
L	58	24	66	28		124	5B83		± CALCITE LAMS [5D3-PHYLLITIC]			11S <sub>2</sub>	
L	66	28	69	20		125	5B31		±2 + (5D3)			11S <sub>2</sub>	
L	69	20	70	20		126	5D31		± CALCITE LAMS			11S <sub>2</sub>	
L	70	20	73	21		127	5B31		± CALCITE LAMS [5D3-PHYLLITIC]			11S <sub>2</sub>	
L	73	21	82	23		128	5D31		± CALCITE LAMS			11S <sub>2</sub>	
L	82	23	84	22		129	5B43		±6 [5D3-PHYLLITIC - ASS'D WITH QZ VNS			~ 11S <sub>2</sub>	
L	84	22	85	28		130	1.0A0		+ FRAGS OF 5B/D;			11S <sub>2</sub>	
L	85	28	87	21		131	5B61		FINE GRAINED; LIGHT GRAY;			11S <sub>2</sub>	
L	87	21	89	24		132	4E84					11S <sub>2</sub>	
L	89	24	92	27		133	4E01		+ (30cm H/W 4E8)			11S <sub>2</sub>	



DDH FAGU058  
2 8  
 UNITS = METRES

Cyprus Anvil Mining Corp.

Page 6 of 8

Structural Log

Date: 30 June/81 Logged By: GG

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					
									NOTE - THIS IS A <u>HORIZONTAL</u> DDH FROM THE MINE DRIFT.
S			102		C/SZ			70 2130	S-BANDS
S			162		G/SZ			57	"
S			1122		C/SZ			55	M-REGION (?) 120-130 E13.7-14.3
S			135						SYMMETRY OF LITHOLOGIES SUGGESTS FOLD NOSE THROUGH 454 BUT NO E OR S TO BE SEEN IN S-BANDS - SHEARED THROUGH?
S			1175		C/SZ			40	S-BANDS
S			1240					010	TENSION GASES 24-26 = 36/270
S			1300					017	
S			1360					013	
S			137						GAUGE - H/W CNT - 017/180 - 115
S			1420					06	F/W ?
S			1480					52	← FOLD NOSE ???
S			1540					25	
S			1600					010	
S			1660					210	
S			1720					14	
S			1780					010	
S			1830					015	
S			1890					118	S-BANDS
S			1950					215	"
S			110110					013	SERICITE
S			110160					016	"
									END OF HOLE @ 106.6 m

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			
P		10	0		12	1	1691510	12	1	11	5	4E4		+(4E4)		
P		12	1		14	2	1691511	12	1	12	3	4E4		+(4E4) + (4E4 - POROUS)		
P		14	2		15	9	1691512	11	7	11	3	4G4		+(4E4)		
P		15	9		17	6	1691513	11	7	11	5	4G4		+(4E4)		
P		17	6		19	0	1691514	11	4	11	3	4E4		+(4E4)		
<del>P</del>		<del>19</del>	<del>0</del>		<del>19</del>	<del>7</del>	<del>6955</del>	<del>0</del>	<del>7</del>	<del>0</del>	<del>5</del>	<del>5C*</del>				
P		19	7		110	2	1691516	11	5	10	8	4E4		+(4E4)		
P		110	2		111	7	1691517	11	5	11	3	4E4		+(5B17?)		
P		111	7		113	0	1691518	11	3	11	2	5A16				
P		113	0		113	7	1691519	10	7	10	6	5C3		+(4E4) + (4E1)		
P		113	7		114	7	1691610	11	0	11	0	5B12		161		
P		114	7		115	7	1691611	11	0	10	8	4E4		+(4E4)		
P		115	7		116	6	1691612	10	9	10	8	4G4				
P		116	6		117	6	1691613	11	0	11	0	4E4		+(4G4)		
P		117	6		118	5	1691614	10	9	10	9	4E4				
P		12166			12183		1691615	11	7	11	5	4E114		P. PECCIA (40 CLASTS)		
P		1871			1883		1691616	11	2	11	1	4E184				
P		1883			1894		1691617	11	1	11	0	4E184				
P		1894			1911		1691618	11	7	11	4	4E01		+(4E8)		
P		1911			1927		1691619	11	6	11	5	4E01				
P		1927			1943		1691710	11	6	11	2	4E4				
P		1943			1963		1691711	12	0	11	9	4E01		+(4E4)		
P		1963			1980		1691712	11	7	11	7	4E4		+(4E0)		
P		1980			1986		1691713	10	6	10	3	5D4*				
P		1986			1998		1691714	11	2	10	9	4E4		± POROUS		

Meters!

FAULT

DDH FAGUO.5.8  
2 8

Cyprus Anvil Mining Corp.

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

Structural Log

Date: 28 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.	
F					9	7	X										5cm bxa. 4KO clasts in 4CO matrix
F	12	6	6		12	8	3	X									6xa. 4KO + cherty clasts in open 4E1 healed matrix
F	13	8	9		13	9	0	G	1	7	1	8	1	0			gouge gt vein + frags of SB/P
	18	4	2		18	5	8	Q									

GEOTECHNICAL LOG

PAGE 8/8

NOTE THIS IS

P HORIZONTAL

WALL FROM THE

MINE DRIVE,

NO NO (HANGINGWALL)

FOOTWALL SECTION

WAS DONE -

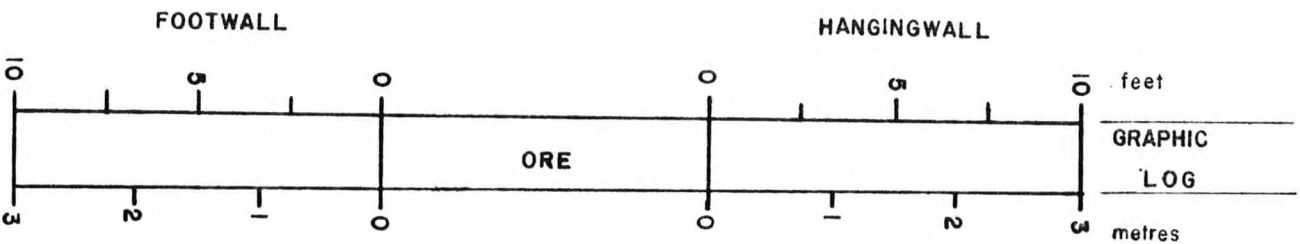
BUT NOT

POSTHOLE

NOTES

ZONE IS  
GENERALLY  
COMPLETE.

INTERVAL	QUALITY	RQD	AVERAGE PARTING (cm)	LITHOLOGY	NOTES









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

D.D.H. No. 76-U-58

PAGE 4

Interval		DESCRIPTION	Py	PbZn	Recovery	Sample No.	Interval		Sample Length	Assay					Assay x			
From	To						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
82.3	86.9	GREENISH WHITE BLEACHED PHYLITE. Competent. Chloritic-calcitic. Foliation-10° (F ? because of regular laminae). F not distinct. Sericite has talcy feel. Tuffaceous looking groundmass. 82.5: Fold nose.			4.5/4.6		82.3	86.9										
		83.8-85.4: Very calcitic. Calcite intervals with bull qtz.				W.Av.	86.8	93.0	6.2	2.71	1.49	38.8						
		86.4-86.5: Shear. Phyllite, calcite, qtz frags/w ser. clay.																
		86.9: Sharp contact with massive sulfides-20°.																
86.9	100.5	MASSIVE SULFIDE ZONE. Competent. Some sph enriched intervals. Faint foliation-10° marked by minute dark minerals, qtz and sometimes calcite. Occasional vuggy sarts lined with calcite prism. Some Cpy blebs distinct. Po and Mgtt in clots.	70	20	1.5/1.5	2194	86.8	88.3	1.5	5.05	2.44	57.60			7.57	3.66	86.4	
			60	25	1.6/1.6	2195	88.3	89.9	1.6	5.00	3.05	60.34			8.0	4.88	96.5	
			70	15	1.5/1.5	2196	89.9	91.4	1.5	0.33	0.13	20.23			0.495	0.195	30.34	
			80	15	1.0/1.6	2197	91.4	93.0	1.6	0.48	0.33	17.14			0.768	0.528	27.12	
			70	20	1.3/1.5	2198	93.0	94.5	1.5	5.15	5.05	80.57			7.725	7.575	120.66	
		98.0: Gradual change to bleached quartz sericite phyllite intervals until 100.5.	70	20	1.4/1.5	2199	94.5	96.0	1.5	2.03	0.85	49.37			3.045	1.275	74.055	
			60	15	1.5/1.5	2200	96.0	97.5	1.5	5.00	1.83	88.80			7.50	2.745	133.20	
100.5	106.6	BLEACHED SERICITE PHYLITE. W/yellow greenish tint. Talcy feel. Foliation 0-5° occasionally with trains of sulfides-calcitic.	50	15	1.5/1.5	2201	97.5	99.0	1.5	2.53	2.75	41.49			3.795	4.125	62.235	
			50	15	1.5/1.5	2202	99.0	100.5	1.5	3.50	4.10	47.31			5.25	6.15	70.965	
						W.Av.	86.8	89.9	3.1									
	106.6	END OF HOLE. IN WASTE.				W.Av.	89.9	92.9	3.1									
						W.Av.	93.0	100.5	7.5	3.64	2.92	61.51			27.315	21.870	461.31	
						W.Av.	86.8	100.5	13.7	3.22	2.27	51.2						

DDH: FAGU058 -- 132 DEGREE PROFILE  
( VIEW AZIMUTH = 42 DEGREES )

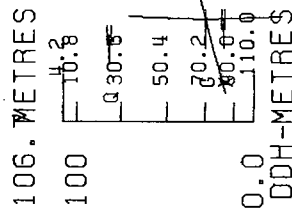
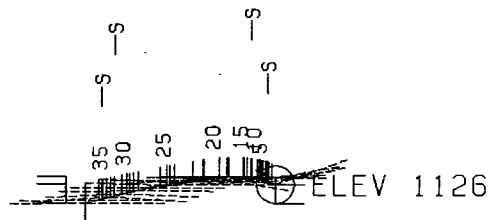
ELEV: 1126      592228E ; 905002N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 393.9    Z = 1125.7

SECTION NAME: 01S

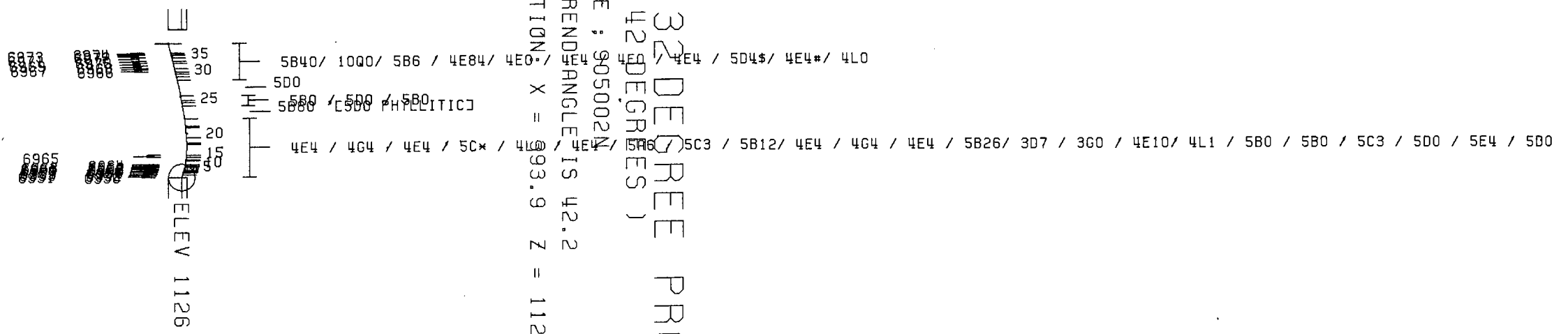
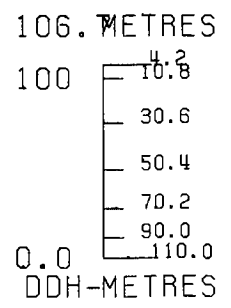
CYPRUS ANVIL MINING CORPORATION  
PROGRAM DH161 12 JUN 1985 3:47 PM



DDH: FAGU058 -- 132 DEGREE PROFILE  
 ( VIEW AZIMUTH = 42 DEGREES )  
 ELEV: 1126 592228E ; 905002N  
 PLUNGE ANGLE IS 0.0 TRENDS ANGLE IS 42.2  
 CORRECTED COLLAR POSITION X = 993.9 Z = 1125.7  
 SECTION NAME: 01S



CYPRUS ANVIL MINING CORPORATION  
 PROGRAM DH162 12 JUN 1985 3:29 PM



FAGU073

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

## DETAIL RECORD COUNTS:

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



17NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 24

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

DEPTH	ZENITH	AZIMUTH
0.000	88.700	196.300

17NOV83 GRUM

## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 25

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

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.6	0001	4AC	(4A4) AT BASE	0.5-	1
12.0	0002	4D5	[4A41]	0.5-	1
13.4	0003	4A0		0.5-	1
23.2	0004	4A34	(4A3) AT TOP	0.5-	1
25.9	0005	4E4		0.5-	1
29.8	0006	4G4	(4E46)	0.5-	1
30.1	0007	5D4@		0.5-	1
31.6	0008	4E4		0.5-	1
32.6	0009	4E4	POROUS &#	0.5-	1
33.3	0010	5D4*		0.5-	1
33.8	0011	5D4*		0.5-	1
34.6	0G12	4E0		0.5-	1
35.4	0013	4E4		0.5-	1
38.6	0014	5A0	(5A9)	0.5-	1
39.2	0015	4A4		0.5-	1
39.4	0016	4A0	GOUGE	0.5-	1
42.4	0017	4A0		0.5-	1
42.7	0018	4A0	(5D4*) GDUGE	0.5-	1
50.0	0019	5B62	(5A6)	0.5-	1
50.6	0020	10Q0		0.5-	1
53.1	0021	5B6		0.5-	1
53.6	0G22	4L2		0.5-	1
55.4	0023	5B6		0.5-	1
62.8	0024	5B62	S	0.5-	1
106.3	0G25	5D3		0.5-	1
121.5	0026	5B38		0.5-	1
121.9	0027	5D3		0.5-	1

17NOV83 GRUM

## DOWN-HOLE STRUCTURE (OH020)

PAGE: 26

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

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

17NOV83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 27

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

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

17NOV83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 28

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

DDH SEGMENT NOS COND INDICATOR

FAGU073 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU073 (764073)

Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLATEAU



Claim: —

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

conversion of  
K-A grid  
592186.6 E

Grid  
Co-ords.: 3N

78 W

All symmetry determinations looking

NW with S2 dipping

Elevation: 1115.4 M

SW with dip azimuth 230.

Total Depth: 121.9 M

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

Logged by: DSJ - JGS

Date(s) Logged: 24 Sept 1981

Drilling Contractor: Cameron & McCutcheon

Core:	Size	From	To	Collar Cased and Capped:
<u>BQ</u>	<u>0</u>	<u>121.9M</u>		<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>		<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>		<u>_____</u>

Started: 2 May 1976 Completed: 3 May 1976

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

Diamond Drill Core Log

Date: \_\_\_\_\_ Logged By: DSJ-JAS

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E						
I	2	8	10	16	17	24	25	32	34	39	41	42
T	F.A.G.M.073	1111.5	490.5	044.5	59.2	18.6	6	METRES		52		

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments					
I	2	8	10	14	22	26	28	32	34	56
R	F.A.G.M.073	100	88.7	194.7	A.T. COLLAR 196.3 for True North					
			.	.						
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			.	.						

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

Code	From				To				Recov.	No.				Unit	Description
	1	10	14	16	20	22	24	26		28	30	34	35		
L			00				86						01	4A4	
L			86				120						02	4A5	[4A4]
L			120				134						03	4A0	
L			134				232						04	4A3.4	
L			232				259						05	4E4	
L			259				298						06	4G4	(4E46) non calc
L			298				301						07	5D4*	ATTN 2-5% fusch + py.
L			301				316						08	4E4	
L			316				326						09	4E4	FOR ± CALC.
L			326				333						10	5D4*	fusch, py lch <sup>o</sup> K. Vary altered
L			333				338						11	5D4*	KaOL V. ALT ULTIMATE of above unit 10.
L			338				346						12	4E0	fine Dns 40* K 1-2m frags Deposit Δ
L			346				354						13	4E4	
L			354				386						14	5A0	(5A9)
L			386				392						15	4A4	V.H. GRADE.
L			392				394						16	4A0	GOUGE ml ATT.
L			394				424						17	4A0	
L			424				427						18	4A0	(5D4*) GOUGE F. MK/ATT.
L			427				500						19	5B62	(5A6)
L			500				506						20	10Q0	11S2
L			506				531						21	5B6	
L			531				536						22	4L2	
L			536				554						23	5B6	
L			554				628						24	5B62	* DOL
L			628				11063						25	5D3	Top 3m GOUGE ml att. F. CONTACT
L			11063				1215						26	5B38	
L			1215				1219						27	5D3	
															END of HOLE

Structural Log

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

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.	
P				15	5		CS2Z				30	050	05	050	
P				14	1		CS2Z				30	050	10	050	
P				18	6		R						15	050	
P				24	7		R						50	050	
P				28	9		R						40	050	S2 050
P				31	2		R						60	050	↑
P				39	8		CS2S						50	050	
P				45	5		CS2Z				75	050	20	050	CHANGE TO IMO SYM
P				52	1		PS2						50	230	↓
P				59	1		PS2						40	230	
P				66	7		CS2Z				20	050	20	230	660 → 230 S2
P				72	6		CS2D						15	230	ACROSS FAULT
P				78	5		CS2Z				45	050	10	230	SYMM REVERSAL
P				81	7		CS2Z				60	050	10	230	
P				87	1		CS2Z				60	050	20	230	
P				89	7		CS2H						00	230	
P				95	5		CS2S				50	230	10	230	
P				99	8		CS2S				50	230	25	230	
P				102	5		CS2Z				45	050	15	230	
P				108	5		CS2S				40	230	10	230	
P				114	2		CS2Z				20	050	30	230	
P				116	5		CS2Z				15	050	10	230	
P				121	9		CS2Z				30	050	20	230	
															E of Symm

ASSAY LOG (SAMPLER'S COPY)

Date 24 SEP 81

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

CODE	FROM				TO				SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION
	1	10	14	16	20	22	26	28		30	32	34	36			
P		00			30	12211			30			18	4A4			
P		30			55	12212			25			25	4A4			
P		55			86	12213			31			30	4A4			
P		86			103	12214			17			15	4D5			
P		103			120	12215			17			17	4D5			
P		120			134	12216			14			14	4A10			
P		134			154	12217			20			20	4A34			
P		174			174	12218			20			18	4A34			
P		194			194	12219			20			19	4A34			
P		214			214	12220			20			18	4A34			
P		214			232	12221			18			17	4A34			
P		232			259	12222			27			26	4E4			
P		259			279	12223			20			17	4G4			
P		279			298	12224			19			19	4G4			
P		298			316	12225			18			18	4E4	(504.3m)		
P		316			326	12226			10			09	4E4	POR		
P		326			338	12227			12			12	(504)*	?		
P		338			354	12228			16			03	4E4	(4E0)		
														END of SAMPL.		

Meters

FAULT

DDH EAG 110.73  
 2 8

Cyprus Anvil Mining Corp.

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

Structural Log

Date: 5-2-83 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.	
F	13	19	2	13	19	4	G										IND gouge
F	14	2	4	14	2	7	G										IND gouge
F	15	10	0	15	10	6	Q			9	9	9	9				Qtz vein // S <sub>2</sub>
F	16	2	8	16	3	1	G										IND gouge

# DIAMOND DRILL RECORD

LOGGED BY FRED CHOW

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

PROPERTY

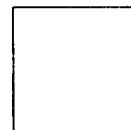
VANGORDA - GRUM JOINT VENTURE

LATITUDE 10 481.072 3N STARTED MAY 2, 1976

DEPARTURE 7494.756 78W COMPLETED MAY 3, 1976

ELEVATION 1126.003 M PROPOSED DEPTH \_\_\_\_\_  
ULTIMATE DEPTH 121.9M

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



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

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay				Assay #					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	13.3	QUARTZ-SULPHS-GRAPH-SER (P). Siliceous, light to med. gray															
		15-25% Py, 5% Ser-graph. Very siliceous and hard. F & F prominent, F & F mineralization. At 12.2m F dominant and all F mineralization.	1.6	2547	0	2.9	2.9	2.15	1.64	24.34							
		0±2.9m: 25 Py, 4 Pz.1 F =40°.	1.5	2548	2.9	4.4	1.5	0.66	0.45	10.97							
		-4.4m: 20 Py, 1 PZ, 0.2% arsenopy. F <sub>2</sub> =30-40°. F <sub>1</sub> sub-V	0.9	2549	4.4	5.3	0.9	3.28	2.70	35.31							
		-5.3m: 25 Py, 5 PZ, F <sub>2</sub> =30-10°.	2.3	2550		7.6	2.3	4.45	7.84	52.46				10.235	18.032	120.66	
		-7.6m: 15 Py, 8 PZ, F <sub>2</sub> =10-35°, F <sub>1</sub> sub-V F <sub>2</sub> .	1.4	2551		9.0	1.4	4.20	7.84	49.37				5.88	10.976	69.118	
		-9.0m: 20 Py, 10 Pz, F <sub>2</sub> & F <sub>1</sub> as above.															
		-10.7m: 15 Py, 8 PZ															
		-12.0m: 15 Py, 6.5 PZ, F <sub>2</sub> =40°, F sub-v F <sub>2</sub> .	1.7	2552		10.7	1.7	3.70	5.75	40.46				6.29	9.775	68.782	
		-13.3m: 4 Py, 0.7 PZ, F <sub>2</sub> @ 0-20°; late quartz-sulphs filled fractures @ 45° to core.	1.3	2553		12.0	1.3	3.30	3.90	34.29				4.29	5.07	44.577	
13.3	23.2	QUARTZ-SULPHS-GRAPH-SER(P). Siliceous.															
		Similar rock as above but more pyritic and structure appear to be mainly F <sub>1</sub>	2.4	2554	12.0	14.4	2.4	0.60	0.88	12.00				1.44	2.112	28.8	
			0.8	2555		15.2	0.8	2.28	4.36	40.46				1.824	3.488	32.368	
		13.3-14.4: 25 Py, 1.5 PZ. F <sub>2</sub> @ 60°, F <sub>1</sub> @ 0-3° undulating.	1.9	2556		17.1	1.9	2.75	4.75	50.40				5.225	9.025	95.76	
		-17.1: 30-40 Py, 5-6.5 PZ. F <sub>2</sub> 30-40°, F <sub>1</sub> @ 45-0°.	2.0	2557		19.1	2.0	2.98	6.80	46.29				5.96	13.6	92.58	
		-20.7: 35-30 Py, 8-9 PZ. F <sub>2</sub> 45° @ 17.8m. F <sub>1</sub> @ 30°.	1.6	2558		20.7	1.6	4.03	9.32	59.31				6.448	14.912	94.896	
		-23.2: 20 Py, 10 PZ. F <sub>2</sub> 40° @ 20.7-23m, F <sub>1</sub> 0-30°.	2.5	2559		23.2	2.5	3.58	7.94	53.49				8.95	19.85	133.73	



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





# DDH: FAGU073 -- 132 DEGREE PROFILE

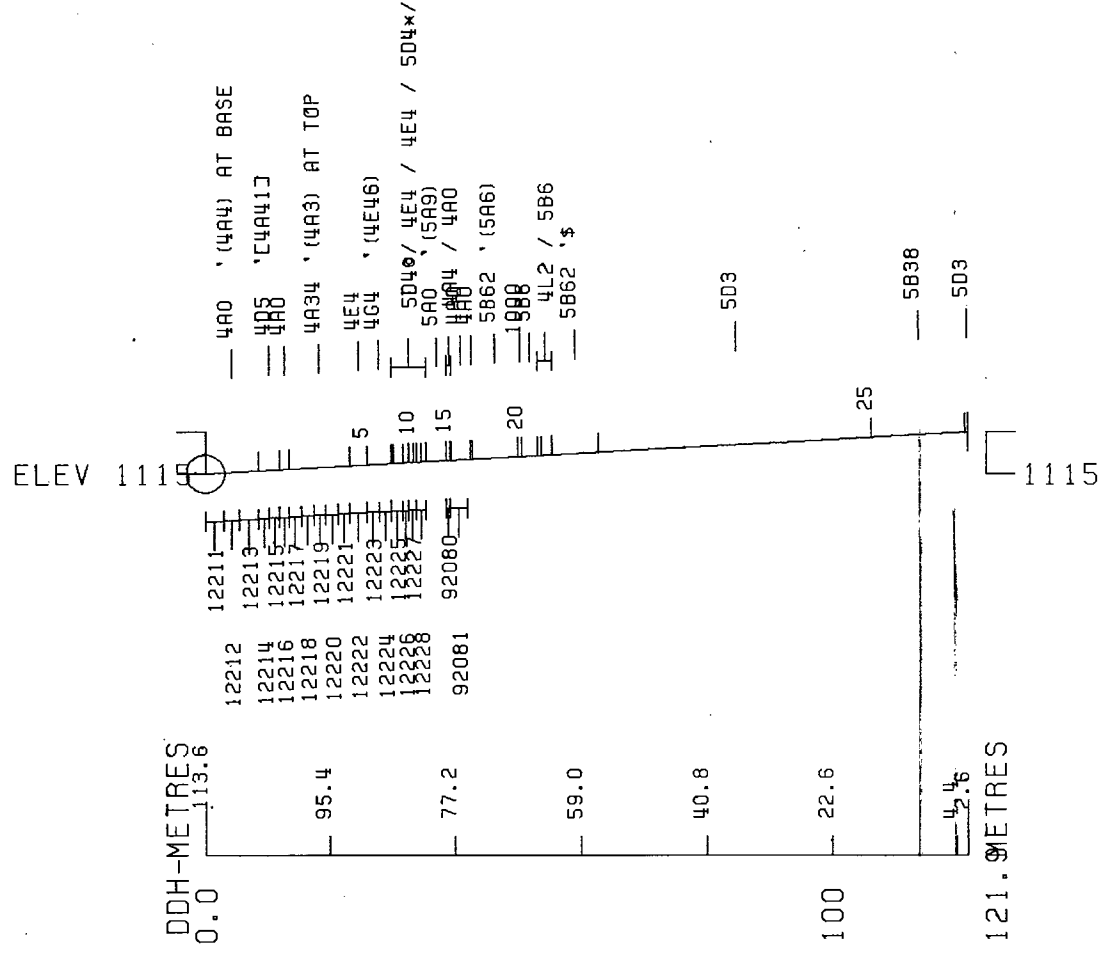
( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1115 / 592187E ; 905045N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 335.4 Z = 1115.4

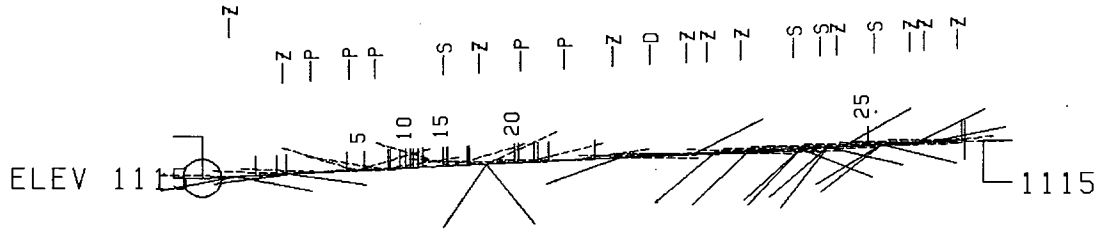
SECTION NAME: 01S



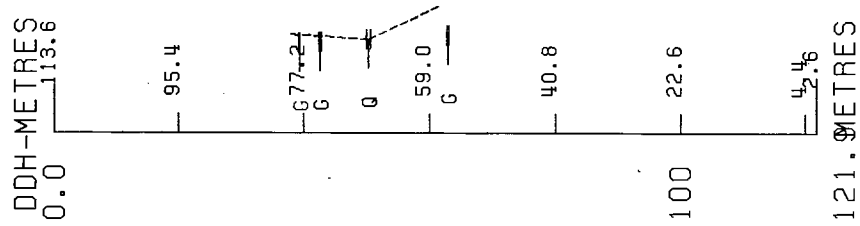
CYPRUS ANVIL MINING CORPORATION  
 PROGRAM DH162 16 OCT 1985 1:59 PM

DDH: FAGU073 -- 132 DEGREE PROFILE  
 ( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1115      592187E ; 905045N  
 PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2  
 CORRECTED COLLAR POSITION: X = 335.4    Z = 1115.4  
 SECTION NAME: 01S



CYPRUS ANVIL MINING CORPORATION  
 PROGRAM DH161 16 OCT 1985 1:58 PM



FACU141

GRUP DATABASE - QUIZ REPORT

84/10/16

FAGU141

DDH	SAPPL	DEPTHS FROM TO	INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PD %	PY %	BAD %	PB+ZN %	PO+PY %	ZN RATIO
	9465	.C 2.2	2.2	50	4A0		.18	.59	1.94	26.0					2.53		.77
	9466	2.2 4.5	2.3	96	4AC		.26	.37	1.58	25.0					1.95		.81
	9467	4.5 5.7	1.2	100	4A0		.15	.58	.91	24.0					1.49		.61
	9468	5.7 7.6	1.9	100	4A0	3.50	.14	.43	1.42	18.0	.62	1.79	18.90		1.85	20.69	.77
	9469	7.6 9.2	1.6	94	4A4	3.60	.15	4.50	7.00	66.0	1.44	1.63	16.40		11.50	18.02	.61
	9470	9.2 10.8	1.6	100	4E4	4.81	.15	7.40	12.70	103.0	3.29	2.33	28.20		20.10	30.53	.63
	9471	10.8 12.5	1.7	100	4E4	4.81	.15	7.40	12.70	103.0	3.29	2.33	28.20		20.10	30.47	.61
	9472	12.5 13.0	.5	100	400	4.65	.08	7.80	12.30	118.0	1.78	1.97	28.50		11.50	28.86	.57
	9473	13.0 14.0	1.0	100	4E4	4.07	.07	5.00	6.50	98.0	1.37	2.16	26.70		20.70	23.37	.66
	9474	14.0 14.4	.4	100	4G4	4.18	.05	7.00	13.70	96.0	1.37	2.27	21.10		11.60	29.92	.68
	9475	14.4 16.4	2.0	100	4D4	4.58	.17	3.70	7.90	68.0	1.78	.62	29.30		21.20	20.96	.61
	9476	16.4 17.6	1.2	100	4034	4.03	.12	8.30	12.90	130.0	1.92	2.46	18.50		14.75	24.03	.87
	9477	17.6 18.5	.9	100	4A4	3.58	.19	1.95	12.80	39.0	1.71	2.23	21.80		13.70	19.80	.47
	9478	18.5 19.9	1.4	100	4D4	3.75	.12	7.30	6.40	95.0	2.33	1.40	18.40		13.10	21.46	.52
	9479	19.9 21.3	1.4	57	4D4	3.80	.32	6.30	6.80	93.0	2.40	2.46	19.00		10.70	21.98	.43
	9480	21.3 22.4	1.1	100	4C3	3.82	.17	6.10	4.60	98.0	2.19	1.58	20.40		4.00	32.00	.35
	9481	22.4 24.1	1.7	76	4D43	4.39	.39	2.60	1.40	46.0	2.88	2.10	29.90		18.30	15.86	.58
	9482	59.8 61.5	1.7	100	4GE4	3.61	.21	7.60	10.70	125.0	1.99	3.06	12.80		13.60	25.64	.62
	9483	61.5 62.7	1.2	100	4G4	4.40	.17	5.20	8.40	93.0	.89	2.14	23.50		12.20	9.01	.67
						4.48	.05	4.00	8.20	76.0	.62	.51	8.50				

84/10/16

## GRUM DATABASE - QUIZ REPORT

PAGE 16

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT %							OTHER	*	NORMATIVE MINERALS - VOLUME %									
			CPY	GA	SP	PO	PY	BAR	CPY			GA	SP	PO	PY	BAR	OTHER				
FAGU141	9465	4A0	.52	.68	2.89					95.91	*										
	9466	4A0	.75	.43	2.36					96.47	*										
	9467	4A0	.43	.67	1.36					97.54	*										
	9468	4A0	.40	.50	2.12	2.82	40.64			53.52	*	.33	.23	1.83	2.12	28.13					67.36
	9469	4A4	.43	5.20	10.44	2.55	35.27			46.12	*	.37	2.49	9.39	1.99	25.39					60.36
	9470	4E4	.43	8.55	18.93	3.66	60.64			7.78	*	.47	5.24	21.78	3.67	55.82					13.02
	9471	4E4	.23	9.01	18.34	3.10	61.29			8.04	*	.25	5.54	21.13	3.10	56.50					13.47
	9472	4D0	.20	5.77	9.69	3.40	57.42			23.52	*	.20	3.21	10.09	3.08	47.82					35.61
	9473	4E4	.14	8.08	20.42	3.57	45.38			22.40	*	.14	4.45	21.09	3.20	37.48					33.64
	9474	4G4	.49	4.27	11.78	.98	63.01			19.47	*	.50	2.42	12.52	.90	53.57					30.10
	9475	4D4	.35	9.59	19.23	3.87	39.78			27.18	*	.33	5.14	19.35	3.38	32.02					39.78
	9476	4D34	.55	2.25	19.08	3.51	46.88			27.73	*	.51	1.18	18.76	3.00	36.88					39.66
	9477	4A4	.35	8.43	9.54	2.20	39.57			39.91	*	.31	4.24	9.00	1.81	29.87					54.77
	9478	4D4	.92	7.28	10.14	3.87	40.86			36.93	*	.84	3.71	9.68	3.21	31.23					51.32
	9479	4D4	.49	7.04	6.86	2.48	43.87			39.25	*	.44	3.56	6.50	2.05	33.29					54.15
	9480	4C3	1.13	3.00	2.09	3.30	64.30			26.18	*	1.10	1.65	2.15	2.96	52.95					39.20
	9481	4D43	.61	8.78	15.95	4.81	27.53			42.33	*	.53	4.30	14.64	3.84	20.21					56.49
	9482	4GE4	.49	6.01	12.52	3.37	50.54			27.08	*	.47	3.24	12.66	2.96	40.86					39.81
	9483	4G4	.14	4.62	12.22	.80	18.28			63.93	*	.11	2.00	9.93	.57	11.88					75.52

DRILL HOLE : FAGU141  
NORTHING : 904,787.4  
EASTING : 592,442.5  
ELEVATION : 1,167.8  
TOTAL DEPTH : 96.2  
SECTION : W 66  
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: 3  
NOS DOWN-H-LITHOLOGY: 27  
NOS DOWN-H-STRUCTURE: 15  
NOS DOWN-H-FAULTS: 11  
NOS DOWN-H-SPLINES: 3  
NOS COMPOSITES: 0

DDH: FAGU141 UTM-N: 9C4,787.4 UTM-E: 592,442.5 UTM-ELEV: 1,167.8 TOTAL DEPTH: 96.2 SECTION: W 66  
 RFE: S2 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	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
.0	2.2	09465	2.2	1.1 4A0		.18	.59	1.94	26.00										
2.2	4.5	09466	2.3	2.2 4A0		.26	.37	1.58	25.00										
4.5	5.7	09467	1.2	1.2 4A0		.15	.58	.91	24.00										
5.7	7.6	09468	1.9	1.9 4A0	3.50	.14	.43	1.42	18.00			.62	1	18	20				
7.6	9.2	09469	1.6	1.5 4A4	3.60	.15	4.50	7.00	66.00			1.44	1	16	18				
9.2	10.8	09470	1.6	1.6 4E4	4.81	.15	7.40	12.70	103.00	108.00		3.29	2	28	30				
10.8	12.5	09471	1.7	1.7 4E4	4.65	.08	7.60	12.30	118.00			1.78	1	28	30				
12.5	13.0	09472	.5	.5 4D0	4.07	.07	5.00	6.50	98.00			1.37	2	26	28				
13.0	14.0	09473	1.0	1.0 4E4	4.18	.05	7.00	13.70	96.00			1.37	2	21	23				
14.0	14.4	09474	.4	.4 4G4	4.58	.17	3.70	7.90	68.00			1.78		29	29				
14.4	16.4	09475	2.0	2.0 4D4	4.03	.12	8.30	12.90	130.00			1.92	2	18	20				
16.4	17.6	09476	1.2	1.2 4D34	3.58	.19	1.95	12.80	39.00			1.71	2	21	24				
17.6	18.5	09477	.9	.9 4A4	3.75	.12	7.30	6.40	95.00			2.33	1	18	19				
18.5	19.9	09478	1.4	1.4 4D4	3.80	.32	6.30	6.80	93.00			2.40	2	19	21				
19.9	21.3	09479	1.4	.8 4D4	3.82	.17	6.10	4.60	98.00			2.19	1	20	21				
21.3	22.4	09480	1.1	1.1 4C3	4.39	.39	2.60	1.40	46.00	49.00		2.88	2	29	32				
22.4	24.1	09481	1.7	1.3 4D43	3.61	.21	7.60	10.70	125.00			1.99	3	12	15				
59.8	61.5	09482	1.7	1.7 4GE4	4.40	.17	5.20	8.40	93.00			.89	2	23	25				
61.5	62.7	09483	1.2	1.2 4G4	4.48	.05	4.00	8.20	76.00			.62		8	9				
WEIGHTED AVERAGE																			
.0	24.1		24.1	21.8	3.04	.17	4.38	6.92	72.35	9.40		1.47	1	16	17				
59.8	62.7		2.9	2.9	4.43	.12	4.70	8.31	85.96			.77	1	17	18				

DDH: FAGU141 UTM-N: 904,787.4 UTM-E: 592,442.5 UTM-ELEV: 1,167.8 TOTAL DEPTH: 96.2 SECTION: W 66  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	89.700	227.100
42.700	91.000	234.000
94.500	90.000	239.000

02APR84 GRUM

## DCWN-HOLE LITHOLOGY (DHC20)

PAGE: 11

DDH: FAGU141 UTM-N: 904,787.4 UTM-E: 592,442.5 UTM-ELEV: 1,167.8 TOTAL DEPTH: 96.2 SECTION: W 66  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
4.5	0001	4A0		0.5-	1
5.7	0002	4A0	BXA	0.5-	1
7.6	0003	4A0		0.5-	1
9.2	0004	4A4		0.5-	1
12.5	0005	4E4	-> 4E0 LOCALLY	0.5-	1
13.0	0006	4C0		0.5-	1
14.0	0007	4E4	(4C0)	0.5-	1
14.4	0008	4G4		0.5-	1
17.6	0009	4C4	(4C3) (4A1) MINOR	0.5-	1
18.5	0010	4A4		0.5-	1
22.4	0011	4C4	(4C3)	0.5-	1
24.1	0012	4D43		0.5-	1
26.4	0013	4L0		0.5-	1
28.2	0014	5B26		0.5-	1
29.0	0015	5B0\$	84	0.5-	1
45.1	0016	5B2\$		0.5-	1
45.7	0017	5B26	?	0.5-	1
58.9	0018	5B2\$		0.5-	1
59.4	0019	5B26	?	0.5-	1
62.7	0020	4GE	[4E0 (4G0)]	0.5-	1
67.0	0021	5A0	?	0.5-	1
69.1	0022	5B2\$		0.5-	1
71.2	0023	4L0		0.5-	1
91.2	0024	5B80		0.5-	1
92.5	0025	5D0		0.5-	1
93.6	0026	5B80		0.5-	1
96.3	0027	5B0\$		0.5-	1

02APR84 GRUM

## DOWN-HOLE STRUCTURE (DHC20)

PAGE: 12

DDH: FAGU141 UTM-N: 904,787.4 UTM-E: 592,442.5 UTM-ELEV: 1,167.8 TOTAL DEPTH: 96.2 SECTION: W 66  
 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
FAGU141	0.0	6.1	PS2	0	0	0	G	1	1	1
FAGU141	0.0	7.6	PS2	0	0	0	G	1	1	1
FAGU141	0.0	24.4	PS2	0	0	0	G	1	1	1
FAGU141	0.0	30.5	PS2	0	0	0	G	1	1	1
FAGU141	0.0	35.1	PS2	0	0	0	G	1	1	1
FAGU141	0.0	40.2	PS2	0	0	0	G	1	1	1
FAGU141	0.0	45.7	PS2	0	0	0	G	1	1	1
FAGU141	0.0	55.0	PS2	0	0	0	G	1	1	1
FAGU141	0.0	67.8	PS2	0	0	0	G	1	1	1
FAGU141	0.0	72.4	PS2	0	0	0	G	1	1	1
FAGU141	0.0	77.3	PS2	0	0	0	G	1	1	1
FAGU141	0.0	82.3	PS2	0	0	0	G	1	1	1
FAGU141	0.0	88.4	PS2	0	0	0	G	1	1	1
FAGU141	0.0	93.0	PS2	0	0	0	G	1	1	1
FAGU141	0.1	96.3	PS2 P	0	0	0	G	1	1	1

02APR84 GRUM

DOWN-HOLE FAULTS (DHC20)

PAGE: 13

DDH: FAGU141 UTM-N: 904,787.4 UTM-E: 592,442.5 UTM-ELEV: 1,167.8 TOTAL DEPTH: 96.2 SECTION: W 66  
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
FAGU141	4.5	5.7	D				0	0	0	1
FAGU141	9.6	9.8	D				0	0	0	1
FAGU141	23.2	24.1	X?D				0	0	0	1
FAGU141	0.0	24.1	G				0	0	0	1
FAGU141	0.0	26.4	G				0	0	0	1
FAGU141	26.4	28.2	3B				0	0	0	1
FAGU141	29.0	45.1	3B				0	0	0	1
FAGU141	45.1	45.7	G				0	0	0	1
FAGU141	58.9	59.8	G				0	0	0	1
FAGU141	61.0	61.3	1D				0	0	0	1
FAGU141	62.7	67.0	G				0	0	0	1

02APR84 GRUM

DOWN-HOLE SPLINES (DHO2G)

PAGE: 14

DDH: FAGU141 UTM-N: 904,787.4 UTM-E: 592,442.5 UTM-ELEV: 1,167.8 TOTAL DEPTH: 96.2 SECTION: W 66  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU141	1	2
FAGU141	2	2
FAGU141	3	1

CYPRUS ANVIL MINING CORPORATION

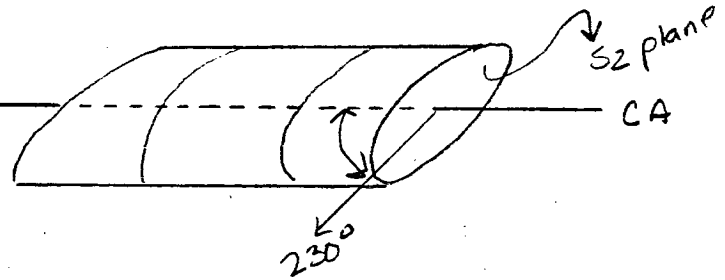
DIAMOND DRILL CORE LOG

Hole Number: 76-4141

Fabric Orientation Diagram:

Project: Grum Releg

Location: Vangorda Plateau



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

Terr. Plane Co-ords.: 366  
6904787.7870 N

4946  
592442.8602 E

Grid Co-ords.: 66W/2N

Elevation: 846  
1167.95

All symmetry determinations looking

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

SW with dip azimuth 230.

Total Depth: 96.3 m

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

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

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

BD 0 96.3

Started: August 5, 1976 Completed: August 8, 1976

*Conversion UTM  
y K-A surveyed  
grid co-ords*



Code	From	To	Unit	Code	Description
	10 14 16	20 22 23 25 27			
L	100	145	1	4A10	1-2% PbZn fractured <sup>sub</sup> // ca.
L	145	157	2	4A10	bxia well healed py qtzite clasts + graphitic matrix
L	157	176	3	4A10	1-2% PbZn 7.0-7.3 py qtz bands 0.08m width
L	176	192	4	4A14	10% PbZn gradational lower etc ore 0.2m minor cp.
L	192	1125	5	4E4	High grade though TOI + EOI → 4E0 20-25% PbZn note - well heated sfd bxia @ ~9.6-9.8 fractures sub // c.a.
L	1125	1130	16	4C10	banded py + qtz 35° to C.A.
L	1130	1140	7	4E4	(4C) 20-25% PbZn qtz as 2 narrow 0.1m bands - 13.5 & 13.8m
L	1140	1144	8	4G10	v. little PbZn visible fld shape??
L	1144	1176	9	4D4	(4C3) PbZn concentrated in thick (→ 1.0m) bands, qtz concentrated in PbZn poor zones This interval could be broken down more but that would be too nit picky eg 15.8-16.1 (4E4(4A1)) & 16.4-17.6 4C3 (portions of unit sulphide supported by re fold nos)
L	1176	1185	10	4A14	
L	1185	1224	11	4D4	(4C3) as unit 9 the concentrations of PbZn are not easily broken out. Interval ends w/ a well banded 4C3 (21.3-22.4 but banding is ⊥ to C.A. i.e. vertical / unusual)
L	1224	1241	12	4D14	Higher grade than unit 11. Upper part of unit banded qb/sulphides, lower 0.9m = massive PbZn minor py 20% qtz pass bxd into sulphide supported by (pass fold nos?)
L	1241	1264	13	4L10	gouge @ TOI + EOI
L	1264	1282	14	5B12	Very broken core which could be due to the inclination of hole relative to foliation (s2) rather than due to structural disturbance
L	1282	1290	15	5B10	w/ FeCO <sub>3</sub> incipient white mica (5B4?) (4L5?)
L	1290	1451	16	5B12	w/ FeCO <sub>3</sub> core broken as unit 14
L	1451	1457	17	5B12	? gouge
L	1457	1589	18	5B12	FeCO <sub>3</sub> as before
L	1589	1598	19	5B12	? gouge
L	1598	1627	20	4G1E	(4C) interbanded 4G0/4E0 to 61.5; 4G0 61.5-62.7 weak bx 61.0-61.3
L	1627	1670	21	5A10	? black graphitic gouge
L	1670	1691	22	5B12	FeCO <sub>3</sub>
L	1691	1712	23	4L10	(5B4, nos fds)
L	1712	1912	24	5B80	strongly calc
L	1912	1925	25	5D3	massive green, strongly calc
L	1925	1936	26	5B80	as 24

3 change by nit picker  
the interval

1st  
no  
→



DDH 26-11.14.1  
2 8

Cyprus Anvil Mining Corp.

Page 5 of 6

Structural Log

Logged By: JSM

Core No.	From				To				Feature	S <sub>1</sub> Dip Direct.				S <sub>2</sub> Dip Direct.				Description
	10	14	16	20	22	24	26	28		32	34	38	32	34	38			
6				16	1				PSZ					50	230			R region 0-23.1
5				17	6				PSZ					55	230			
5				23	1				FZP									P region 23.1-
5				24	4				PSZ					32	230			Less than 5 symdeterm S+Z
5				30	5				PSZ					20	230			
5				35	1				PSZ					15	230			
6				41	2				PSZ					35	230			
5				45	7				PSZ					30	230			
5				55	0				PSZ					50	230			
5				59	4				FZP									R region 59.4-62.7
5				61	2				FZP									P region 62.7-96.3
5				61	7	8			PSZ					25	230			gauge to 67.0
5				72	4				PSZ					36	230			
5				77	3				PSZ					20	230			
5				82	3				PSZ					31	230			
5				88	4				PSZ					45	230			
5				93	0				PSZ					40	230			
5				96	3				FZP									EDH



ASSAY LOG (SAMPLER'S COPY) Date Aug 18/81

CODE	FROM				TO				SAMPLE	INTR.				REC (m)				UNIT	DESCRIPTION
	1	10	14	16	20	22	26	28		30	32	34	36	40	42				
P			00					22	9465					22	11		4A0		
P			22					45	9466					23	22		4A0		
P			45					57	9467					12	12		4A0	bx	
P			57					76	9468					21	21		4A0		
P			76					92	9469					15	15		4A4		
P			92					108	9470					16	16		4E4		
P			108					125	9471					17	17		4E4		
P			125					130	9472					05	05		4C0		
P			130					140	9473					10	10		4E4	(4C0)	
P			140					144	9474					04	04		4C0		
P			144					164	9475					20	20		4D4		
P			164					176	9476					12	12		4C3		
P			176					185	9477					09	09		4A4		
P			185					199	9478					14	14		4D4		
P			199					213	9479					14	08		4D4		
P			213					224	9480					11	11		4C3		
P			224					241	9481					17	13		4D4		
P			598					615	9482					17	17		4G1E		
P			615					627	9483					12	12		4G0		

DDH EAGU 141  
 2 8  
 METERS

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
F		45		57			D							
F		96		98			D							
F		232		241			X?D							
F				241			G							
F				264			G							
F		264		282			3B							
F		290		451			3B							
F		451		457			G							
F		589		598			G							
F		610		613			1A							
F		627		670			G							

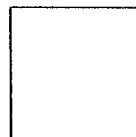
# DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO

D. D. H. No 76-U-141 PAGE 1

PROPERTY GRUM JOINT VENTURE  
 LATITUDE 10,581.782 ? 66W STARTED AUGUST 5, 1976  
 DEPARTURE 7,747.787 ? 2N COMPLETED AUGUST 8, 1976  
 ELEVATION 1,178.564 ? Drift PROPOSED DEPTH 120m  
 changed ULTIMATE DEPTH \_\_\_\_\_

HOLE SURVEY:		
DEPTH	BEARING	DIP
collar	224	0
42.7	231	-1
94.5	238	0



CLAIM No \_\_\_\_\_  
 NOTE: Hole stopped due to high pressure water and squeezing ground.  
 DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 78%

Interval From	Interval To	DESCRIPTION	Zn+Py Pb	Recovery	Sample No	Interval		Sample Length	Assay					Assay 1			
						From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
0	9.1	MINERALIZED GRAPHITIC PHYLLITE (PG). Broken, blocky	30 5	0.9	4111	0	3.0	3.0	0.58	1.45	20.23						
		core. Foliation = 75-80° (F = 90°) - could be	30 4	1.2	4112	3.0	4.6	1.6	0.18	1.33	12.00				1.57	PbZn	
		F. 1	20 3	1.4	4113	4.6	6.1	1.5	0.60	0.85	25.37				1.45	PbZn	
		3.1: Fold nose. F = 0° with closure marked by	25 3	1.4	4114	6.1	7.6	1.5	0.45	1.35	12.00				1.80	PbZn	
		sulfides with crenulated laminae. 1	30 6	1.3	4115	7.6	9.1	1.5	4.65	6.03	54.51				6.98	9.05	81.77
		4.5-5.1: Sulfide Bx. Ø = 1mm-1.5cm. Well cemented	75 10	1.4	4116	9.1	10.7	1.6	7.64	13.31	106.97				12.22	21.30	171.15
		by graphite.	75 12	1.4	4117	10.7	12.2	1.5	9.64	13.74	122.1				14.46	20.61	183.09
		9.1: Abrupt change to Massive sulfide zone.	75 15	1.3	4118	12.2	13.7	1.5	7.11	11.16	107.0				10.67	16.74	160.46
		Contact broken ground.	75 12	1.4	4119	13.7	15.2	1.5	6.40	11.44	89.83				9.6	17.16	134.75
			75 18	1.4	4120	15.2	16.8	1.6	7.36	10.92	107.0				11.78	17.44	171.15
9.1	24.0	MASSIVE SULFIDE (M). Some porous variety (MV) and	70 8	1.3	4121	16.8	18.3	1.5	4.48	3.56	55.54				6.72	5.34	83.31
		some with quartz inclusions (MIq). Generally com-	70 8	1.5	4122	18.3	19.8	1.5	5.56	4.68	70.63				8.34	7.02	105.95
		petent except in the friable porous variety. Compo-	70 10	0.8	4123	19.8	21.3	1.5	6.64	6.22	94.63				9.96	9.33	141.95
		sitional bands = 75-80°. Same trend for void	75 15	2.1	4124	21.3	24.0	2.7	5.99	7.62	84.69				16.17	20.57	228.66
		alignments in porous ground.															
		19.8-22.9: Barite in groundmass.			W.Av.	7.6	24.0	16.4	6.52	8.82	89.16				106.90	114.59	1462.2
		24.0: Sharp clean contact with bleached Phyllite (Sb) = 35°.			W.Av.	3.0	7.6	4.6	1.59	PbZn							







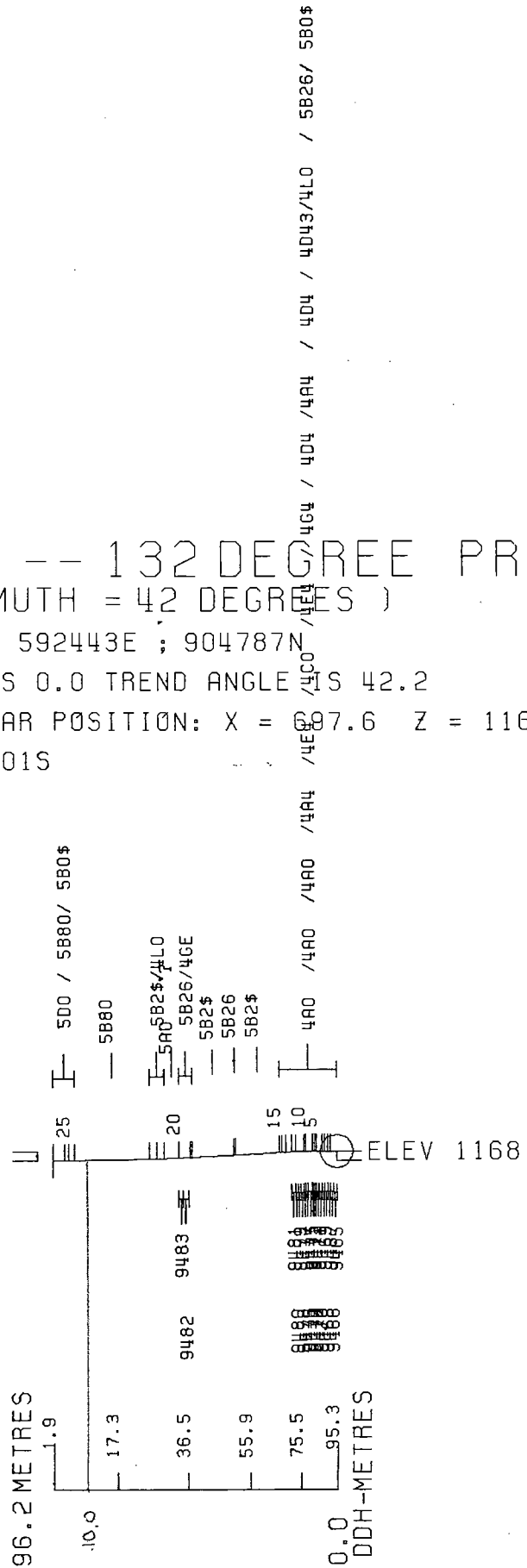
# DDH: FAGU141 -- 132 DEGREE PROFILE

( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1168      592443E ; 904787N  
 PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2  
 CORRECTED COLLAR POSITION: X = 697.6    Z = 1167.8  
 SECTION NAME: 015



CYPRUS ANVIL MINING CORPORATION  
 PROGRAM DH162 12 JUN 1985 3:32 PM



DDH: FAGU141 -- 132 DEGREE PROFILE

( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1168 592443E ; 904787N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

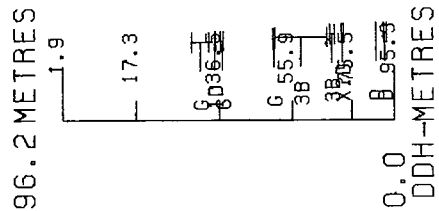
CORRECTED COLLAR POSITION: X = 697.6 Z = 1167.8

SECTION NAME: 01S

CYPRUS ANVIL MINING CORPORATION  
PROGRAM DH161 12 JUN 1985 3:52 PM



6 =





84/10/16

## GRUP DATABASE - QUIZ REPORT

PAGE 15

DCH	SAMPLE	---DEPTHS---		INT REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PD	PY	BAO	PB+ZN	PO+PY	Z%
		FROM	TO	M	UNIT		X	X	X	G/MT	G/MT	X	X	X	%	X	RATIO
FAGU163	7646	.0	2.1	2.1	10	4C8	3.69	.20	.14	1.55	15.0	1.70	1.99	25.80	1.69	27.79	.92
	7647	2.1	4.1	2.0	65	4C8	3.46	.23	.20	1.31	12.0	.55	3.06	20.30	1.51	23.36	.87
	7648	4.1	6.1	2.0	100	4C8	3.39	.25	.33	.92	17.0	.75	2.65	19.00	1.25	21.65	.74
	7649	6.1	8.0	1.9	100	4C8	3.48	.24	1.54	2.50	39.0	1.10	2.00	19.20	4.04	21.20	.62
	7650	19.4	21.0	1.6	94	4HE	3.66	.09	3.50	2.80	53.0	.21	15.60	10.00	6.30	25.60	.44
	7651	60.4	61.8	1.4	93	4G4	4.64	.17	5.40	9.10	102.0	1.71	1.01	15.60	14.50	16.61	.63
	7652	61.8	63.4	1.6	100	4G4	4.40	.16	3.90	7.70	71.0	1.65	1.12	17.90	11.60	19.02	.66
	7653	89.6	91.0	1.4	43	4C3	3.53	.27	1.09	.60	27.0	.89	2.73	19.80	1.69	22.53	.36
	7654	91.0	93.3	2.3	57	4D38	3.90	.13	3.20	2.50	46.0	.75	7.40	20.00	5.70	27.40	.44
	7655	93.3	95.0	1.7	94	4C37	3.81	.29	1.60	1.56	28.0	.48	17.28	14.50	3.16	31.78	.49

84/10/16

## GRUM DATABASE - QUIZ REPORT

PAGE 6

DDH	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %						OTHER	*	CPY	NORMATIVE MINERALS - VOLUME %						OTHER
				GA	SP	PC	PY	BAR	GA				SP	PO	PY	BAR			
FAGU163	7646	4C8	.58	.16	2.31	3.13	55.48		38.34	*	.52	.08	2.18	2.57	41.95		52.70		
	7647	4C8	.66	.23	1.95	4.81	43.66		48.68	*	.56	.11	1.73	3.72	31.01		62.87		
	7648	4C8	.72	.38	1.37	4.17	40.86		52.50	*	.60	.18	1.19	3.15	28.44		66.44		
	7649	4C8	.69	1.78	3.73	3.15	41.29		49.37	*	.59	.84	3.30	2.42	29.26		63.60		
	7650	4H0	.26	4.04	4.17	24.53	21.51		45.48	*	.22	1.94	3.75	19.17	15.46		59.46		
	7651	4G4	.49	6.24	13.57	1.59	33.55		44.57	*	.42	3.01	12.29	1.25	24.31		58.72		
	7652	4G4	.46	4.50	11.48	1.76	38.49		43.30	*	.40	2.19	10.47	1.40	28.09		57.45		
	7653	4C3	.78	1.26	.89	4.29	42.58		50.19	*	.66	.59	.79	3.30	30.11		64.54		
	7654	4D38	.38	3.70	3.73	11.64	43.01		37.55	*	.34	1.87	3.54	9.62	32.70		51.92		
	7655	4C37	.84	1.85	2.33	27.18	31.18		36.63	*	.75	.93	2.19	22.30	23.54		50.28		

DRILL HOLE : FAGU163  
NORTHING : 904,740.0  
EASTING : 592,481.2  
ELEVATION : 1,174.9  
TOTAL DEPTH : 112.0  
SECTION : W 64  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 10  
NOS DOWN-H-SURVEYS: 2  
NOS DOWN-H-LITHCLOGY: 29  
NOS DOWN-H-STRUCTURE: 41  
NOS DOWN-H-FAULTS: 29  
NOS DOWN-H-SPLINES: 2  
NOS COMPOSITES: 0

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,421.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64  
 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	ASSAYS											S.G. W.R.			
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PC %	PY %	TCT FE	BAO %	HG %		MN %	AS %	BA %
.0	2.1	07646	2.1	.2	4C8	3.69	.20	.14	1.55	15.00		1.30	1	25	27						
2.1	4.1	07647	2.0	1.3	4C8	3.46	.23	.20	1.31	12.00		.55	3	20	23						
4.1	6.1	07648	2.0	2.0	4C8	3.39	.25	.33	.92	17.00		.75	2	19	21						
6.1	8.0	07649	1.9	1.9	4C8	3.48	.24	1.54	2.50	39.00		1.10	2	19	21						
19.4	21.0	07650	1.6	1.5	4H0	3.66	.09	3.50	2.80	53.00		.21	15	10	25						
60.4	61.8	07651	1.4	1.3	4G4	4.64	.17	5.40	9.10	102.00		1.71	1	15	16						
61.8	63.4	07652	1.6	1.6	4G4	4.40	.16	3.90	7.70	71.00		1.65	1	17	19						
89.6	91.0	07653	1.4	.6	4C3	3.53	.27	1.09	.60	27.00		.89	2	19	22						
91.0	93.3	07654	2.3	1.3	4D38	3.90	.13	3.20	2.50	46.00	43.00	.75	7	20	27						
93.3	95.0	07655	1.7	1.6	4C37	3.81	.29	1.60	1.56	28.00		.48	17	14	31						
WEIGHTED AVERAGE																					
.0	8.0		8.0	5.4		3.50	.22	.53	1.55	20.45		.92	2	21	23						
19.4	21.0		1.6	1.5		3.66	.09	3.50	2.80	53.00		.21	15	10	25						
60.4	63.4		3.0	2.9		4.51	.16	4.60	8.35	85.46		1.67	1	16	17						
89.6	95.0		5.4	3.5		3.77	.21	2.14	1.71	35.40	18.31	.70	9	18	27						

21MAR24 GRUP

DOWN-HOLE SURVEYS (DHD20)

PAGE: 33

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,481.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64  
RFE: S2 RFE DIR: 230 FLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMLTH
0.000	91.000	224.100
61.000	90.000	229.000

21MAR84 GRUM

## DOWN-HOLE LITHOLOGY (DHDZ0)

PAGE: 34

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,481.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.1	0001	4CE	(4C0)	0.5-	1
9.7	0002	5B26	(4L2) 50:50	0.5-	1
12.5	0003	5A6		0.5-	1
18.0	0004	5B6		0.5-	1
19.4	0005	5B4	[4L0]	0.5-	1
21.0	0006	4H2	BXA (4K17) (4E7) AT E.O.I.	0.5-	1
21.8	0007	4LC	?	0.5-	1
23.6	0008	5B6		0.5-	1
24.6	0009	5B6	(10Q0) 50:50	0.5-	1
29.3	0010	5A3		0.5-	1
32.2	0011	5A83	(5A08)	0.5-	1
49.9	0012	5A3		0.5-	1
50.7	0013	503	(10Q0)	0.5-	1
57.3	0014	5A3		0.5-	1
60.4	0015	5B6	(5A)	0.5-	1
63.4	0016	4G4		0.5-	1
63.9	0017	1000		0.5-	1
65.5	0018	5A96		0.5-	1
72.8	0019	5A3	?	0.5-	1
74.4	0020	5BC	(504*)	0.5-	1
82.8	0021	5BC		0.5-	1
84.4	0022	5B62		0.5-	1
88.4	0023	5B20		0.5-	1
89.6	0024	5BC		0.5-	1
91.0	0025	4C3		0.5-	1
93.3	0026	4C38		0.5-	1
95.0	0027	4C37		0.5-	1
110.7	0028	5A3		0.5-	1
112.0	0029	5C4*		0.5-	1

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,481.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64  
 RFE: S2 RFE DIR: 230 FLUNGE 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	DHCC	SDC	PROCESS
FAGU163	0.0	3.3	PS2	P	0	C	0	C	70	230	C	1	1	1
FAGU163	0.0	5.3	PS2	P	0	0	0	C	45	230	C	1	1	1
FAGU163	0.0	8.4	CS2	Z	0	0	0	C	20	230	C	1	1	1
FAGU163	0.0	9.5	PS2	P	0	C	0	C	30	230	C	1	1	1
FAGU163	0.0	12.1	PS2	P	0	0	0	0	25	230	C	1	1	1
FAGU163	0.0	12.5	PS2	P	C	0	0	C	40	230	C	1	1	1
FAGU163	0.0	14.0	CS2	S	0	C	0	C	65	230	C	1	1	1
FAGU163	0.0	15.3	CS2	S	0	0	0	C	25	230	C	1	0	0
FAGU163	0.0	16.8	CS2	S	C	0	0	C	50	230	C	1	1	1
FAGU163	0.0	19.2	PS2	P	0	0	0	C	25	230	C	1	1	1
FAGU163	0.0	22.4	CS2	S	0	0	0	C	65	230	0	1	0	0
FAGU163	0.0	22.9	PS2	P	0	0	0	C	70	230	C	1	1	1
FAGU163	0.0	24.7	CS2	S	0	0	0	C	25	230	0	1	1	1
FAGU163	0.0	25.3	CS2	Z	0	0	0	C	50	230	C	1	1	1
FAGU163	0.0	26.8	CS2		0	C	0	C	10	230	C	1	1	1
FAGU163	0.0	28.5	CS2		0	0	0	C	10	230	C	1	1	1
FAGU163	0.0	30.4	PS2	P	0	0	0	C	20	230	C	1	1	1
FAGU163	0.0	32.0	CS2	Z	C	0	0	C	45	230	C	1	1	1
FAGU163	0.0	36.0	CS2	Z	C	0	0	C	20	230	C	1	1	1
FAGU163	0.0	39.5	CS2		0	0	0	C	10	230	C	1	1	1
FAGU163	0.0	42.0	CS2		0	0	0	C	10	230	0	1	1	1
FAGU163	0.0	44.9	CS2		C	0	0	0	10	230	C	1	1	1
FAGU163	0.0	47.0	CS2	Z	0	0	0	C	60	230	C	1	1	1
FAGU163	0.0	49.5	CS2	S	0	0	0	0	25	230	C	1	1	1
FAGU163	0.0	50.8	CS2	S	0	0	0	0	40	230	C	1	1	1
FAGU163	0.0	56.2	CS2	Z	0	0	0	0	20	230	C	1	1	1
FAGU163	0.0	59.4	CS2	S	0	C	0	0	20	230	C	1	1	1
FAGU163	0.0	63.4	PS2	P	0	0	0	C	40	230	C	1	1	1
FAGU163	0.0	67.5	PS2	P	C	0	0	C	55	230	C	1	1	1
FAGU163	0.0	70.3	PS2	P	C	0	0	C	40	230	C	1	1	1
FAGU163	0.0	74.5	CS2	Z	0	0	0	C	70	230	C	1	1	1
FAGU163	0.0	76.5	PS2	P	0	0	0	C	20	230	C	1	1	1
FAGU163	0.0	78.5	PS2	P	0	0	0	C	45	230	C	1	1	1
FAGU163	0.0	80.8	CS2	Z	C	0	0	0	40	230	C	1	1	1
FAGU163	0.0	85.0	CS2	Z	0	0	0	C	25	230	C	1	1	1
FAGU163	0.0	87.1	CS2	Z	0	0	0	C	35	230	C	1	1	1
FAGU163	0.0	93.2	PS2	P	C	0	0	C	30	230	C	1	1	1
FAGU163	0.0	98.0	CS2	S	0	0	0	0	30	230	C	1	1	1
FAGU163	0.0	104.8	CS2	Z	0	0	0	C	45	230	C	1	1	1
FAGU163	0.0	105.6	CS2	S	0	0	0	C	20	230	C	1	1	1
FAGU163	0.0	111.8	PS2	P	C	0	0	C	40	230	C	1	1	1

DDH: FAGU163 UTM-N: 904,740.0 UTM-E: 592,461.2 UTM-ELEV: 1,174.9 TOTAL DEPTH: 112.0 SECTION: W 64  
 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			
FAGU163	0.1	3.0	P	2			0	0	C	C	0	0	1
FAGU163	6.3	7.2	XQ				0	0	99	999	0	0	1
FAGU163	9.1	9.7	B1G				C	0	C	C	0	0	1
FAGU163	9.7	12.5	XQ				C	0	C	C	0	0	1
FAGU163	0.0	12.5	G				C	0	C	C	0	0	1
FAGU163	0.0	18.0	G				C	0	C	C	0	0	1
FAGU163	0.0	19.9	SQ				C	0	G	C	0	0	1
FAGU163	19.4	21.0	D				C	0	C	C	0	0	1
FAGU163	0.0	21.2	G				C	0	C	C	0	0	1
FAGU163	0.0	21.4	G				C	0	C	C	0	0	1
FAGU163	0.0	21.8	G				C	0	C	C	0	0	1
FAGU163	0.0	23.6	G				C	0	C	C	0	0	1
FAGU163	24.6	35.4	Q1X				C	0	C	C	0	0	1
FAGU163	37.4	38.0	Q1X				C	0	C	C	0	0	1
FAGU163	0.0	60.4	S				C	0	C	C	0	0	1
FAGU163	0.0	62.5	F??				C	0	C	C	0	0	1
FAGU163	63.4	63.9	XQ				C	0	C	C	0	0	1
FAGU163	63.9	65.5	RP				C	0	C	C	0	0	1
FAGU163	71.6	72.8	N				C	0	C	C	0	0	1
FAGU163	65.5	74.4	G				C	0	C	C	0	0	1
FAGU163	0.0	77.1	1G				C	0	C	C	0	0	1
FAGU163	0.0	77.9	G				C	0	C	C	0	0	1
FAGU163	89.6	91.0	X1G				C	0	C	C	0	0	1
FAGU163	89.9	91.4	P	5			C	0	C	C	0	0	1
FAGU163	94.5	96.0	P	1			C	0	C	C	0	0	1
FAGU163	96.0	99.0	P1G				C	0	C	C	0	0	1
FAGU163	102.0	102.6	GQ				C	0	C	C	0	0	1
FAGU163	104.9	105.2	GB				C	0	C	C	0	0	1
FAGU163	108.0	108.5	BP				C	0	C	C	0	0	1

# DDH: FAGU217 -- 132 DEGREE PROFILE

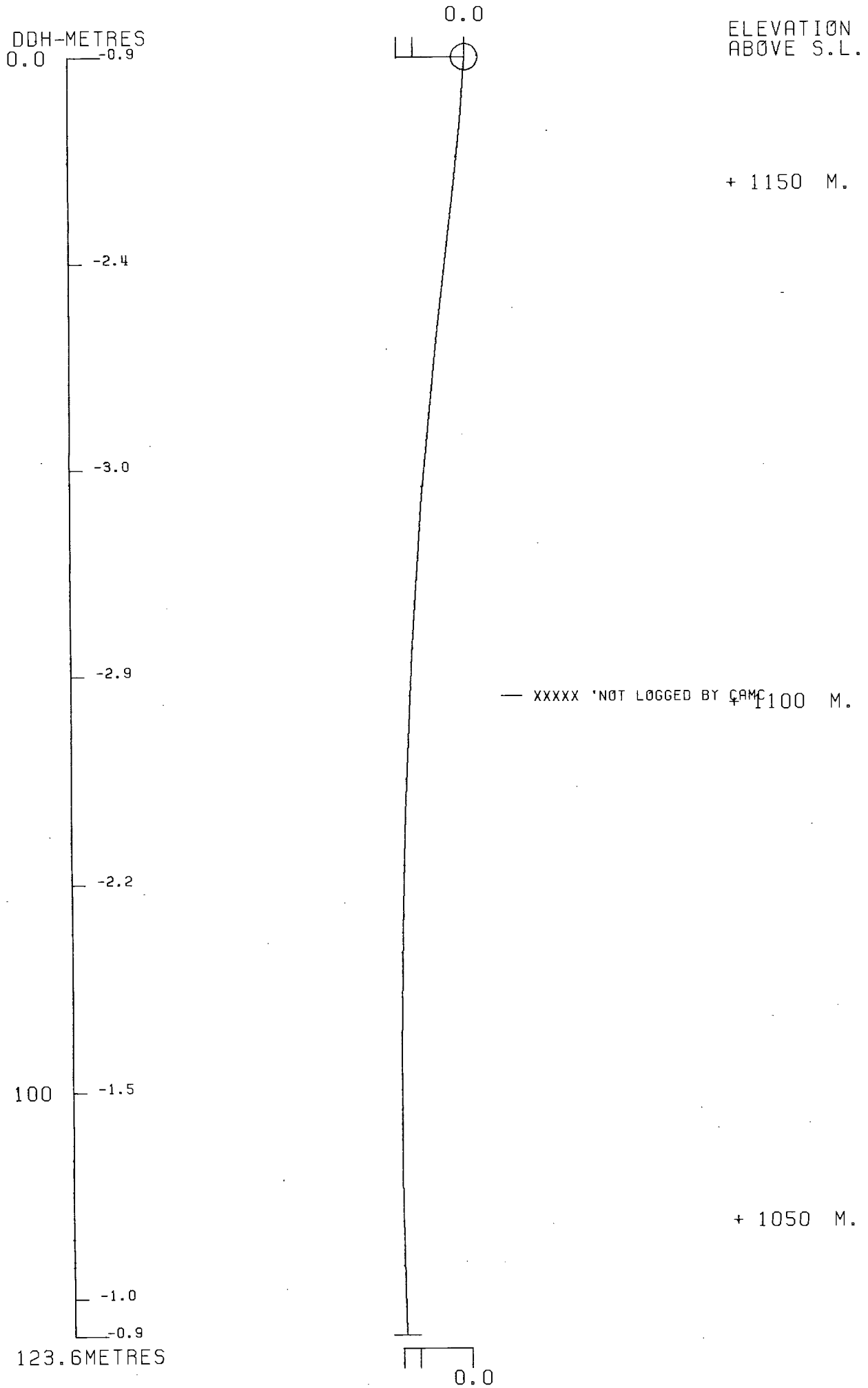
( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1162      592163E ; 904911N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 408.0    Z = 1162.2

SECTION NAME: 01S



# DDH: FAGU217 -- 132 DEGREE PROFILE

( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1162.5 592163E ; 904911N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 408.0 Z = 1162.2

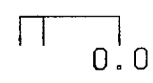
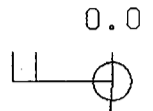
SECTION NAME: 01S

DDH-METRES  
0.0 -0.9



100

123.6 METRES



ELEVATION  
ABOVE S.L.

+ 1150 M.

+ 1100 M.

+ 1050 M.



SECTION03S

FACA 014

DRILL HOLE : FAGA014  
NORTHING : 904,874.3  
EASTING : 592,111.1  
ELEVATION : 1,290.2  
TOTAL DEPTH : 334.6  
SECTION : W 76  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 10  
NOS DOWN-H-SURVEYS: 6  
NOS DOWN-H-LITHOLOGY: 67  
NOS DOWN-H-STRUCTURE: 49  
NOS DOWN-H-FAULTS: 32  
NOS DOWN-H-SPLINES: 6  
NOS COMPOSITES: 0

21NOV83 GRUM

## ORE SAMPLES &amp; ASSAYS (DHO20)

PAGE: 40

DDH: FAGA014 UTM-N: 904,874.3 UTM-E: 592,111.1 UTM-ELEV: 1,290.2 TOTAL DEPTH: 334.6 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----											S.G. W.R.
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	
192.6	193.2	9C033	.6	.0	4L24	.19	1.44	1.22	21.89			.34					
193.2	194.0	06977	.8	.8	4LH	3.95	.20	1.63	1.53	38.00		.34	5	25	30		
258.3	259.3	06978	1.0	1.0	4A13		.16	.46	.34	15.99							
266.4	269.1	9C034	2.7	.0	4A0		.16	.28	.41		31.49	.17					
269.1	273.1	9C035	4.0	.0	4A0		.16	.63	.68		37.00	.17					
273.1	275.8	9C036	2.7	.0	4EG4		.29	6.53	6.95		91.50	.68					
275.8	278.9	9C037	3.1	.0	4A0		.20	.55	.66		12.30	.17					
278.9	281.9	9C038	3.0	.0	4A0		.17	1.99	2.75		53.50	.34					
281.9	283.5	9C039	1.6	.0	4A0		.14	.33	.46		21.89	.34					
283.5	287.1	9C040	3.6	.0	4E0		.20	1.72	1.99		32.90	.17					

## WEIGHTED AVERAGE

192.6	194.0		1.4	.8		2.26	.20	1.55	1.39	31.09		.34	3	14	17		
258.3	259.3		1.0	1.0			.16	.46	.34	15.99							
266.4	287.1		20.7	.0			.19	1.70	1.97		40.20	.27					

21NOV83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 41

DDH: FAGA014 UTM-N: 904,874.3 UTM-E: 592,111.1 UTM-ELEV: 1,290.2 TOTAL DEPTH: 334.6 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

21NOV83 GRUM

## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 42

DDH: FAGA014 UTM-N: 904,874.3 UTM-E: 592,111.1 UTM-ELEV: 1,290.2 TOTAL DEPTH: 334.6 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.5	0001	#		0.5-	1
27.0	0002	5B0		0.5-	1
32.9	0003	5B6	&0	0.5-	1
43.7	0004	5B0	&\$	0.5-	1
45.3	0005	5C3		0.5-	1
46.0	0006	5B0	&\$	0.5-	1
51.8	0007	5A10		0.5-	1
58.8	0008	5A0	(5B0)	0.5-	1
59.8	0009	5C\$	(10Q0) 90:10	0.5-	1
62.9	0010	5B6		0.5-	1
71.9	0011	5B0		0.5-	1
76.8	0012	5B6	(5B0)	0.5-	1
86.2	0013	5C\$	3 (5B86)(5D6) 35:33:32	0.5-	1
88.3	0014	5F4	&3 [5B80]?	0.5-	1
91.9	0015	5B6	&0 (5F3[5B80]?)	0.5-	1
93.2	0016	5D0		0.5-	1
97.1	0017	5C\$	&3 (5D46) MINOR	0.5-	1
97.6	0018	5F14	[5D14 STRIPED] [5B801]?	0.5-	1
98.9	0019	5B0		0.5-	1
100.4	0020	5A0	(5B0)	0.5-	1
100.8	0021	5D@3		0.5-	1
102.7	0022	10Q0	(5A0) 80:20	0.5-	1
110.6	0023	5B62	&\$ VERY MINOR	0.5-	1
142.0	0024	5B6	&2 &\$ V. MINOR	0.5-	1
151.3	0025	5B26	\$	0.5-	1
151.9	0026	10Q0		0.5-	1
155.0	0027	5B26	\$	0.5-	1
173.4	0028	5B6	(5B6&2) (10Q0&\$) SOME NO CORE	0.5-	1
174.4	0029	5B62	\$	0.5-	1
188.9	0030	5B6	&2 NO CORE	0.5-	1
190.8	0031	5B6	&2 &\$ (10Q0&\$)	0.5-	1
191.1	0032	5D4*		0.5-	1
192.9	0033	5D*	(4L2&4) (10Q0*) 50:50:MINOR	0.5-	1
194.0	0034	4L2	&4 &1 (4H0&1) 50:50	0.5-	1
199.0	0035	5B80		0.5-	1
209.8	0036	5B\$	&0 &8	0.5-	1
213.4	0037	5B3	(5D@3)	0.5-	1
226.5	0038	5B3		0.5-	1
233.1	0039	5B0\$	(5D@0) (5E0 PHYLLITIC)	0.5-	1
235.6	0040	5B0		0.5-	1
239.0	0041	5D\$0	GOUGE [5E0\$]	0.5-	1
239.8	0042	5D\$		0.5-	1
240.8	0043	5B6	(5B46) 75:25	0.5-	1
246.0	0044	5B3	(5E0 PHYLLITIC)	0.5-	1
249.8	0045	5B\$	(5E\$ PHYLLITIC)	0.5-	1
250.6	0046	4L\$		0.5-	1
251.8	0047	5B\$	[5E\$] (10Q0) 90:10	0.5-	1
255.1	0048	5B0	(4L\$) MINOR	0.5-	1
256.0	0049	5E\$		0.5-	1
257.9	0050	5B\$	(4L\$)	0.5-	1
258.3	0051	4LC	(4D4) GOUGE	0.5-	1

DDH: FAGA014 UTM-N: 904,874.3 UTM-E: 592,111.1 UTM-ELEV: 1,290.2 TOTAL DEPTH: 334.6 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
259.3	0052	4A13	(4C0 SERICITIC) 60:40	0.5-	1
260.4	0053	4A0	BXA RUBBLE	0.5-	1
261.3	0054	5A6		0.5-	1
265.6	0055	5B0	&6 &2 RUBBLE	0.5-	1
266.4	0056	5A0	(4E0 BXA) 85:15	0.5-	1
273.1	0057	4AC	&4 NO CORE	0.5-	1
275.8	0058	4E4	(4G4)(4D4 BXA) 75:20:5 NO CORE	0.5-	1
278.9	0059	4A0	NO CORE	0.5-	1
281.9	0060	4A0	&4	0.5-	1
283.5	0061	4A0	NO CORE	0.5-	1
287.1	0062	4EC	&4(5A0 GOUGE)(4G0)SOME NO CORE	0.5-	1
290.1	0063	5A6	&0	0.5-	1
291.0	0064	5B62	(10Q0 BXA) 90:10	0.5-	1
311.5	0065	5AC	&1 (5B62)	0.5-	1
315.4	0066	5B20		0.5-	1
334.7	0067	5AC	(5B20)	0.5-	1

21NOV83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 44

ODH: FAGA014 UTM-N: 904,874.3 UTM-E: 592,111.1 UTM-ELEV: 1,290.2 TOTAL DEPTH: 334.6 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT SYMTRY	SO ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE CDE	DMDC	SDC	PROCESS
FAGA014	0.0	3.7	CS2	0	0	74	0	83	230	C	1	1	1
FAGA014	0.0	10.1		0	0	67	0	76	230	C	1	1	1
FAGA014	0.0	16.2	S	0	0	60	0	77	230	0	1	1	1
FAGA014	0.0	23.8		0	0	74	180	80	230	0	1	1	1
FAGA014	0.0	30.2		0	0	0	C	86	230	0	1	1	1
FAGA014	0.0	36.0		0	0	0	0	70	230	C	1	1	1
FAGA014	0.0	42.7		0	0	0	C	56	230	C	1	1	1
FAGA014	0.0	49.7		0	0	0	0	50	230	C	1	1	1
FAGA014	0.0	54.9		0	0	0	0	73	230	C	1	1	1
FAGA014	0.0	61.3		0	0	0	0	80	230	0	1	1	1
FAGA014	0.0	67.1		0	0	69	180	80	230	0	1	1	1
FAGA014	0.0	72.2		0	0	0	0	45	230	0	1	1	1
FAGA014	0.0	79.2		0	0	0	0	75	230	0	1	1	1
FAGA014	0.0	85.3		0	0	0	0	62	230	0	1	1	1
FAGA014	0.0	91.4		0	0	0	0	76	230	C	1	1	1
FAGA014	0.0	97.5		0	0	0	0	78	230	0	1	1	1
FAGA014	0.0	103.6		0	0	0	0	90	230	0	1	1	1
FAGA014	0.0	109.7		0	0	0	0	90	230	0	1	1	1
FAGA014	0.0	115.8		0	0	0	0	78	230	C	1	1	1
FAGA014	0.0	121.9		0	0	0	C	81	230	C	1	1	1
FAGA014	0.0	128.0		0	0	0	C	81	230	C	1	1	1
FAGA014	0.0	134.1		0	0	0	0	83	230	0	1	1	1
FAGA014	0.0	140.2		0	0	0	C	79	230	C	1	1	1
FAGA014	0.0	146.3		0	0	0	0	75	230	C	1	1	1
FAGA014	0.0	152.4		0	0	0	0	75	230	C	1	1	1
FAGA014	0.0	158.5		0	0	0	0	75	230	0	1	1	1
FAGA014	0.0	172.2	Z	0	0	0	0	78	230	0	1	1	1
FAGA014	0.0	189.3		0	0	0	0	76	230	0	1	1	1
FAGA014	0.0	195.1		0	0	0	0	78	230	0	1	1	1
FAGA014	0.0	201.2		0	0	0	C	73	230	0	1	1	1
FAGA014	0.0	207.3		0	0	0	0	83	230	0	1	1	1
FAGA014	0.0	213.4		0	0	0	C	72	230	0	1	1	1
FAGA014	0.0	219.5		0	0	0	C	80	230	0	1	1	1
FAGA014	0.0	225.6		0	0	0	0	81	230	0	1	1	1
FAGA014	0.0	233.2		0	0	0	0	76	230	0	1	1	1
FAGA014	0.0	237.7		0	0	0	0	79	230	0	1	1	1
FAGA014	0.0	243.8		0	0	0	0	83	230	0	1	1	1
FAGA014	0.0	249.9		0	0	0	0	74	230	0	1	1	1
FAGA014	0.0	256.0		0	0	0	0	80	230	C	1	1	1
FAGA014	0.0	262.1		0	0	0	C	49	230	0	1	1	1
FAGA014	0.0	288.6		0	0	0	C	65	230	C	1	1	1
FAGA014	0.0	294.1		0	0	0	0	75	230	C	1	1	1
FAGA014	0.0	300.2		0	0	0	0	80	230	0	1	1	1
FAGA014	0.0	306.3		0	0	0	C	78	230	0	1	1	1
FAGA014	0.0	312.4		0	0	0	0	87	230	0	1	1	1
FAGA014	0.0	318.5		0	0	0	C	67	230	C	1	1	1
FAGA014	0.0	324.6		0	0	0	C	74	230	C	1	1	1
FAGA014	0.0	329.2		0	0	0	0	82	230	0	1	1	1
FAGA014	0.0	334.4		0	0	0	0	72	230	0	1	1	1

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## DOWN-HOLE FAULTS (DHC20)

PAGE: 45

DDH: FAGA014 UTM-N: 904,874.3 UTM-E: 592,111.1 UTM-ELEV: 1,290.2 TOTAL DEPTH: 334.6 SECTION: W 76  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD
FAGA014	0.0	28.6	1G				0	0	0	1
FAGA014	43.7	44.5	RP	6			0	0	0	1
FAGA014	47.6	47.7	XQ				0	0	0	1
FAGA014	0.0	49.9	1G				0	0	0	1
FAGA014	0.0	54.0	XQ				0	C	0	1
FAGA014	99.5	100.2	R1G				0	0	0	1
FAGA014	100.7	102.7	Q				0	0	0	1
FAGA014	0.0	120.5	1G				0	0	99	1
FAGA014	145.0	145.3	XQ			99	999	0	99	1
FAGA014	150.7	150.9	G				0	C	0	1
FAGA014	159.8	167.3	NNN				0	0	0	1
FAGA014	169.0	170.6	XQG				0	0	0	1
FAGA014	174.4	188.9	NNN				0	C	0	1
FAGA014	0.0	200.1	G				0	0	0	1
FAGA014	0.0	200.4	G				0	0	0	1
FAGA014	0.0	228.4	G				0	C	0	1
FAGA014	236.5	237.1	G				0	0	0	1
FAGA014	0.0	239.3	1G				0	0	31	1
FAGA014	246.2	248.4	J				0	0	26	1
FAGA014	257.9	258.2	GR				0	0	0	1
FAGA014	259.3	260.3	XR				0	0	0	1
FAGA014	260.3	261.3	2G				0	0	0	1
FAGA014	261.3	265.6	R1G				0	0	0	1
FAGA014	265.6	265.7	X				0	0	0	1
FAGA014	273.7	273.8	X				0	0	C	1
FAGA014	286.2	286.8	G				0	0	0	1
FAGA014	266.3	288.0	NNN				0	0	C	1
FAGA014	288.0	288.1	G				0	0	0	1
FAGA014	288.1	288.5	G				0	0	0	1
FAGA014	289.2	290.0	R				0	0	0	1
FAGA014	290.2	290.3	XQ			99	999	0	99	1
FAGA014	0.0	323.3	G				0	0	0	1

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DOWN-HOLE SPLINES (DH020)

PAGE: 46

DDH: FAGA014 UTM-N: 904,874.3 UTM-E: 592,111.1 UTM-ELEV: 1,290.2 TOTAL DEPTH: 334.6 SECTION: W 76  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA014	1	2
FAGA014	2	2
FAGA014	3	2
FAGA014	4	2
FAGA014	5	2
FAGA014	6	1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 11:09:50

DIAMOND DRILL CORE LOG

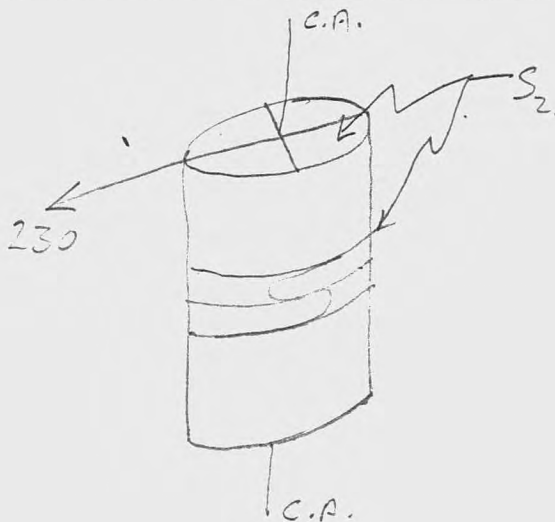
Date: 25-26 June 74

Hole Number: 74-A-01A (EAGA-01A)

Reference Fabric Orientation Diagram:

Project: GRUM

Location: SECTION 76 W



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

<sup>UTM</sup>  
Terr. Plane Co-ords.: 6 904 874.3 m N

592 111.1 m E

Grid Co-ords: 3+ 2.5 ft S

76+01 W

All symmetry determinations looking

Elevation: 1290.2 m

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

Total Depth: 1098 ft.

SW with dip azimuth 230°.

Purpose: RELONG GRUM

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

Logged by: GG

Date(s) Logged: 25-26 June 74

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

Size	CORE From	To	Collar Cased and Capped: _____
<u>NW</u>	<u>0.0</u>	<u>11.5</u>	
<u>BQ</u>	<u>11.5</u>	<u>1098 ft</u>	

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

Steel down Hole: \_\_\_\_\_

Started: 20 JUNE/74 Completed: 26 JUNE/74



INCHES = FEET

Code	From			To			Recov.			No.	Unit	Description	FAN CNT	
	10	14	16	20	22	24	26	28	30				34	35
L	100	111.5								0.91	5B3	AVERTED		
L	111.5	118.86								1.2	5B3		1cm GOUGE	
L	118.86	120.78								1.3	5B6	±3 ± FINE GRAINED		11S
L	120.78	124.35								1.4	5B3	±6; MOD DOLO, SLIGHTLY TO MOD CALC;	RUBBLE + QZ VN (2cm) GRADES OVER 10cm	
L	124.35	124.86								1.5	5C3	V. CALC.; ~1% FUCHSITE; SOME 1-3cm QUARTZ BANDS @ 2.5 ft HWT 122.5-146.2 = 1.5 ft RECOVERY AS RUBBLE; 146.0-148.6 = SAND; BEGINNING TO DISINTEGRATE		
L	124.86	125.10								1.6	5B3	DOLO ± CALC; FINE GRAINED	GRADES OVER 10cm	
L	125.10	127.01								1.7	5A113	COMMON QZ VN'S TOWARD BOTTOM OF UNIT - QZ VN-PHYLLITE BRECCIA @ 126.2-126.5'; 3cm GOUGE @ 164.0 ft;		11S
L	127.01	129.29								1.8	5A3	±(5B3) ~ FINE GRAINED; OPEN BRECCIA - PHYLLITE IN QZ-CALCITE MATRIX @ 177.2 ft.	5cm QZ VN	
L	129.29	129.61								1.9	5C1*	DOLO; ~0.5% FUCHSITE; 10% OF UNIT = QZ VN'S ~ 11S;	10cm QZ VN	
L	129.61	120.65								1.0	5B6			11S
L	120.65	123.60								1.1	5B3	±(5B6) ~ FINE GRAINED	1cm QZ VN	
L	123.60	125.20								1.12	5B6	- FINE GRAINED ±(5B3) - WELL PARTED ALONG S <sub>1</sub> ;	3cm QZ VN	
L	125.20	128.27								1.13	5C1*	DOLO + CALC = 35% OF UNIT; WITH ALL SHARP CNTS; ±(5B6) - FINE GRAINED ±(5D6) ← GRADATIONAL CNTS SD6 BATHOLE	1cm QZ VN 11S	
L	128.27	128.98								1.14	5FA	±3 - STRIPS 0.2-4cm GREEN = CHLORITE SERICITE WHITE = QZ &/OR CALCITE		11S
L	128.98	130.15								1.15	5B6	±3 - FINE GRAINED, MASSIVE; ±(5F3)	GRADES OVER 10cm	
L	130.15	130.59								1.16	5D3	FINE GRAINED, MASSIVE; NOTE CHARACTER OF CNTS	SHARP	11S

INCHES = METRES

Code	From		To		Recov.	No.	Unit	Description	FAN CNT	
	10	14 16	20 22	24 26 28					30 34 35	-455
L	3,059	3,118	7			117	5C14	DOLO ± CALCITE; ~5% CHLORITE; +(5D16 AS TWO 20cm INTERBED)		11S <sub>2</sub>
L	3,118	3,201				118	5F114	[5D14-STRIPED] GREEN + WHITE; AS UNIT 14;		11S <sub>2</sub>
L	3,201	3,245				119	5B31	FINE GRAINED; WELL LAMINATED;		11S <sub>2</sub>
L	3,245	3,293				120	5A31	+(5B3-FINE GRAINED) RUBBLE, MISSING CORE + 2% GOUGE @ 328.5 - 329.0 ft → PROB NO SIGNIFICANT MOVEMENT;		11S <sub>2</sub>
L	3,293	3,306				121	5D*13	ANK, CALC; = 70%		5cm RUBBLE
L	3,306	3,370				122	1,0Q10	+(5A3 @ 333.8 - 335.1 ft); NOTE // FRACTURES IN 10Q10 @ 11S <sub>2</sub> & 1S <sub>2</sub> → INDICATES 22 DRE- OR SUN- S <sub>2</sub> ; NOTE - MAGNETIC & NON-MAGNETIC T <sub>2</sub> @ 10cm H/W;		GRABBS DVT 210cm
L	3,370	3,410				123	5A61			11S <sub>2</sub>
L	3,410	4,308				124	5B6	- FINE GRAINED (± 8 ± 2); MINOR SULPHIDE = PD; 1. RESS 5D6 ASSOCIATED WITH LAMPL QZ VN; 2cm GOUGE 1S <sub>2</sub> @ 375.0; 416.8 - 419.7 = (5B32)		11S
L	4,308	4,620				125	5B6	± 3 ± 8 ± FINE GRAINED; MINOR SULPHIDE = PD;		11S
L	4,620	4,930				126	5A116	+(5A13); 475.2 - 476.9 ft = QZ-VN-PHYLLITE BRECCIA - CNTS 11S <sub>2</sub> ;		30 cm QZ VN - 5A BRECCIA
L	4,930	4,965				127	5B6	FINE GRAINED ± 2 GOUGE @ 494.7 - 495.3 ft - APPROX SLIP 11S <sub>2</sub> ;		22/4
L	4,965	4,985				128	1,0Q10	WITH 5B6 FRAGS TOWARD E/W		?
L	4,985	5,011				129	5B6	FINE GRAINED ± 2		11S
L	5,011	5,086				130	5A3	+(5A6)		GRABBS 10cm 40cm QZ VN
L	5,086	5,506				131	5B6	524.3 - 549.0 - CORE BOXES MISSING - INTERPRETTED FROM R.F. LOGS;		

38-466  
B6-223  
minor

UNITS = FEET.

Code	From			To			Recov.			No.			Unit	Description	FINE CNT -100µ <
	10	14	16	20	22	24	26	28	30	34	35				
L	5510	6	16210	6								132	5B6	±9 FINE GRAINED; (40% BRECCIATED QZ VNS & +10% GORGE @ 554.5-560.0 ft) +(minor 5D*-ANK)	10 cm GORGE
														572.2-619.9 - COREBOXES MISSING - LITHOLOGICAL INTERPRETED FROM K.A. LOGS	
L	16210	6	16216	0								133	5A6	10% QZ VNS ~ 11S <sub>2</sub>	1 cm QZ VN ~ 11S <sub>2</sub>
L	16216	0	16340	0								13A	4L10	+(4L7±4 @ 626.8-629.0 ± BRECCIATED - LOCAL DISTORTION ONLY - PROB NO SIGNIFICANT MOVEMENT	11S <sub>2</sub>
L	16340	0	16351									135	4H11	±8 + (4H4 @ 5cm 4/10) + (4L0)	11S <sub>2</sub>
L	16351		16366									136	1EA	±1 + (4E0) see logs	11S <sub>2</sub>
L	16366		16530									137	5B3	-V. CALCAREOUS [5E*-PHYLITIC] 5% RANDOMLY ORIENTED CALCITE VEINS & STAC	11S <sub>2</sub>
L	16530		16884									138	5EP	PHYLITIC ±4 ± DOLO +(5B3 - V. CALC) 200E (25cm) @ 657.6 (10cm)	11S <sub>2</sub>
L	16884		7000									139	5B3	V. CALC + (5D*3 - ANK) SHORT 10-30cm INTERVALS	11S <sub>2</sub>
L	7000		7431									A0	5B3	V. CALC.	11S <sub>2</sub>
L	7431		7647									A1	5B*	- DOLO + CALC; 5cm GORGE @ 749.0 ft; +(5D*±3 - ANK) +(5E - PHYLITIC)	11S <sub>2</sub>
L	7647		7730									A2	5B3		GRAD 65 10cm
L	7730		7840									A3	5D*3	DOLO + FRACTURE-FILL CALCITE ±4; 20% [5D*3] @ 776.0-778.0 ft [5E*3 DOLO]	11S <sub>2</sub>
L	7840		7868									A4	5D*	DOLO; 5cm GORGE @ 785.3 ft	11S <sub>2</sub>
L	7868		7901									A5	5B6	FINE GRAINED; +(5B46 @ 789.1-790.0 ft)	11S <sub>2</sub>
L	7901		8070									A6	5B3	-V. CALC + (5E - PHYLITIC)	
L	8070		8197									A7	5B*	DOLO (5E* - DOLO/PHYLITIC)	

UNITS = FEET.

Code	From			To			Recov.	No.	Unit	Description	F/W CNT	
	10	14	16	20	22	24						26
L	81197		81221						A8	4L*	DOLO	TYPE 2 2 = VN 15+
L	81221		81260						A9	5B*	DOLO [5E*-DOLO] - FIZZES	
											WELL IN WARM 25% HCl;	
											10% QZ VNS 11S <sub>2</sub>	
L	81260		81370						50	5B3	mod CALC only;	10 cm QZ VN 11S <sub>2</sub>
											+ (minor 4L*-DOLO)	
L	81370		81400						51	5E*	DOLO	11S <sub>2</sub>
L	81400		81462						52	5B*	-V. DOLO + (4L*-DOLO)	GOUGE
L	81462		81473						53	4L10	+ (4D4) = 100% GOUGE + 40% RUBBLE	
L	81473		81508						5A	4A13	+ (4C0 - SORICITIC @ 847.3 - 848.6)	RUBBLE
L	81508		81543						55	4A10	LOW SULPHIDE; HIGH GRAPHITE;	2 cm GOUGE
											BRECCIATED - PROB PARTIALLY HEALED	
											FAULT; MAINLY AS RUBBLE	
											IN CORDBOX;	
L	81543		81574						56	5A16	UNIT = 30% GOUGE ZONES	5 cm GOUGE
											< 10 cm THICK;	
L	81574		81714						57	5B3	16±2; LARGELY RUBBLE;	
											5% GOUGE IN 2-5 cm ZONES	
											NOTE - FAULT ZONE OF UNIT	
											5A HAS SOME H/W QZ VNS	
											11S <sub>2</sub> + CALCITE-FILLED TENSION	
											GASHES & F/W SMALL	
											GOUGE ZONES - <del>PROB.</del> A	
											SHALLOW DIPPING FAULT	
L	81714		81740						58	5A13	HIGH GRAPHITE	QZ VN
											+ (4E0 - CRACKLE BRECCIA -	
											PYRITE HEALED @ 871.4 - 871.8 ft;	
											(HAN)	
											874.0 - 945.2 = WHOLE	
											CORE SAMPLED BY K.A. -	
											LITHOLOGY INTERPRETTED	
											FROM K.A. LOGS (WHICH	
											ARE NOT VERY GOOD WORK)	

UNITS = FEET

Code	From			To			Recov.			No.			Unit	Description	F/W CNT	
	10	14	16	20	22	24	26	28	30	34	35	TYPE			<	
L	8740		8960							59			A1A01	±4		
L	8960		9050							60			A1A01	+ (464 @ 903.0 - 905.0 ft)		
														+ (404 - BRECCIA @ 898.0 - 898.5 ft)		
L	9050		9150							61			A4A01			
L	9150		9250							62			A1A10	±4 sec above)		
L	9250		9300							63			A1A01			
L	9300		9420							64			A1E01	±4 + (5A0 GOUGE @ 930 - 941 ft)		
														+ (460) + (455 ft)		
L	9420		9517							65			5A161	±3; GOUGES @ 944.9 - 946.6 ft, GOUGE		
														(3 ft) @ 947.1 - 951.7 ft (1 ft)		
														UNIT = MAINLY COPPER SULPHIDE		
L	9517		9546							66			5B162	QZ-VIN-FINE GRAINED BRECCIA		115
														@ 952.0 - 950.5 - CHERRY IS		
L	9546		10220							67			5A171	±3 - SLIGHTLY TO MED. CALC		115
														THROUGHOUT; (±1)		
														+ (5B62); 3 ft thick = QUARTZ		
														VISIBLE;		

NOTE - THE TRACE SULPHIDE THROUGHOUT THIS UNIT ~~EXPOSES~~ UP TO 847 ft = PURITE; ABOVE 847 ft (GOUGE) IT IS Pb ± minor PURITE - THIS MAY INDICATE THE UNIT 54 FAULT TO THE NORTH/SOUTH? DEEPER (PB) STRAT. OVER SHALLOWER (PU) STRAT. + ORG; WHAT ARE THE IMPLICATIONS ARE OR FAULTED OUT ACROSS THIS FAULT AND WHERE? D.C. A. M. C. 1981 - E-

IF GOUGE NOTE THE FOLIATION IN UNIT 54 + THE SMALL SUGGES 115 BELOW SUGGEST 54 MAY BE ...



DDH FAGA014  
2 8

Cyprus Anvil Mining Corp.

Page 9 of 12

UNITS = FEET

Structural Log

Date: 26 JUN 81 Logged By: GG

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					
36.6 S				120	CS <sub>2</sub>				74	100	83	230	S-REGION - 11.5 - 70'
				330					6.7	100	7.6		
				530		S			6.0	100	7.7		
23.8 Z				780					74	180	8.0		Z-70-85
30.2 M				990							8.6		M(?) - 85-130 - REVERSING S/Z
				1180							7.0		MINOR GOUGE @ 74.0 115.?
				1400							5.6		R <sup>2</sup> 130-177.
				1630							5.0		
54.9 M				1800							7.3		M(?) - 179-195
61.3 Z				2010							8.0		Z-195-210
67 S				2200					6.9	180	8.0		S <sup>TR</sup> 210-230
72.2 Z				2370							4.5		R+Z(?) - 230-245
79.2 S				2600							7.5		R+S(?) - 245-265
													M <sup>TS</sup> 265-275
85.3 Z				2800							6.2		Z(?) - 275-290
				3000							7.6		R <sup>P</sup> 270-370
				3200							7.8		
				3280									GOUGE CNTS? 115?
				3400							9.0		
109.7 Z				3600							9.0		Z <sup>TR</sup> 370-400
				3800							7.8		
				4000							8.1		R-400-420
128.0 M				4200							8.1		M(?) - 420-455 - REVERSING S/Z
				4400							8.3		
				4600							7.9		F <sub>4</sub> @ 54/180
146.3 Z				4800							7.5		Z+R-455-485
				5000							7.5		GOUGE CNTS? @ 493 ft
147.6 S													S-485-510
158.5 M				5200							7.5		M <sup>TR</sup> REVERSING S/Z - 510-524
													524-549 - NO COREBOXES
				5600									GOUGE CNTS?
				5650		Z					7.8		
													572-619 - NO COREBOXES
				6200									GOUGE CNT @ 20° TO C.A. IN BRG
				6210							7.6		P-619-665
				6400							7.8		
S				6600							7.3		

DDH FAGAO 14  
2 8

Cyprus Anvil Mining Corp.

Page 10 of 12

Structural Log

Date: 26 JUNE/81

Logged By: GG

UNITS = FEET

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			16,800					813	D-665-670
213.4 S			17,000					712	S-670-700
219.5 Z			17,200					810	Z-700-720
225.5 S			17,400					811	S <sup>TR</sup> -720-730
									?-730-75 / S <sub>2</sub> =90
224 S									S <sup>TR</sup> -735-770
			17,500						MINOR GOUGE CNTS?
			17,650					716	
			17,800					717	R-770-785
			17,850						MINOR GOUGE CNT @ 31/80
243.8 S			18,000					813	S-785-810
250 Z			18,200					714	Z-810-820
	8,080		8,150						TENSION GASHES 26/180
256 S			18,400					810	S+R-820
									← GOUGE 11S <sub>2</sub> ?
			18,600					419	R-(P?) 855-874
									NO CORE IN TBOXES @ 874-945
			19,460						GOUGE CNTS?
			19,470					615	R-945-960
			19,650					715	D-960-970
300 S			19,850					810	S <sup>TR</sup> -970-1020
306.3 S			10,050					718	S(?) - 1020 - 1035 - S <sub>2</sub> ~ C.A.
			10,250					817	
			10,450					617	F <sub>4</sub> @ 26/180
324.6 Z			10,650					714	R+(Z?) - 1035 - 1098
			10,800					812	
			10,970					712	
									END OF HOLE @ 1098 ft

DDH FAGAD14  
2  
FEET

Cyprus Anvil Mining Corp.

Re-Do Lithologic Log  
*third times a peach!*

Date: 29 Aug 82 Logged By: DJJ/GAJ

Core ID	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	3380		4660			1	SB6	±2 ±* dol. v.u. minor and sporadic top 25' of could be considered SB62 as homogeneously carb then striped to FOI with normal S <sub>2</sub> carbonac. folia indistinguishable from 360±9 but up in FOI, intact, normal in all respects, (no SB30 in interval.)		
L	4660		5080			2	SB126	*dol. in mostly well developed dolo gtz siltstn laminae - gorges gtz veins etc per GB log unit basically intact-		
L	5080		5690			3	SB6	(SB62) (000±*) <sup>unit 1</sup> as above, but less striped and overall less carbonaceous - units 1-3 = wasted subbasin		
L	5690		572			4	SB62	*dol. as unit 2		
L	572		6199			5		missing core boxes.		
L	6199		6260			6	SB6	±2 (000±*) ← *v. minor in SB...		
L	6260		6270			7	SD14*			
L	6270		6328			8	SD1*	(4L2±4) 50:50 (000*) intercalated c/c ±SD with some 4L derived from SD		
L	6328		6366			9	4L2	±4±1 (4H0±1) 50:50		
L	6366		6530			10	SB80	moderately gtz calc cracks veined - low formation calcite cut cherty there in med. greenish grey phyllite		
L	6530		6660			11	SB*	±0±8 ultra carbonated lt grey to weakly greenish grey dolo >> calc ps <sub>2</sub> foliated - just like typical example chosen from All calcite increases to FOI - 666 is end of core examined not end of unit.		

ASSAY LOG (SAMPLER'S COPY)

Logged by                       
 Date 25 June 81 Sampled by                     

2112-  
57  
2117

CODE	FROM			TO			SAMPLE			INTR.			REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	42				
P	16311	8	16314		9101033									1120		PREVIOUSLY INCLUDED IN SAMPLE BELOW THIS #2627	
P	16314	0	16316	6	16977	7	126		126					14E40		+(441) see assays	
P	1847	3	18510	8	16977	8	131		137					14A13		+(460)	
P	18740		18830		910103A		190							14A10		±4	
P	18830		1896		9101035		130							14A10		±4	
P	18960		19050		9101036		190							14E40		±(461) See K.A. Assays	
P	19050		191150		9101037		1100							14A10		±(461) See K.A. Assays	
P	191150		19250		9101038		1100							14A10		±(461) See K.A. Assays	
P	19250		19300		9101039		150							14A10		±(461) See K.A. Assays	
P	19300		19420		9101040		120							14E01		±4 + (460) + (465) KA* 2634	

FAULT

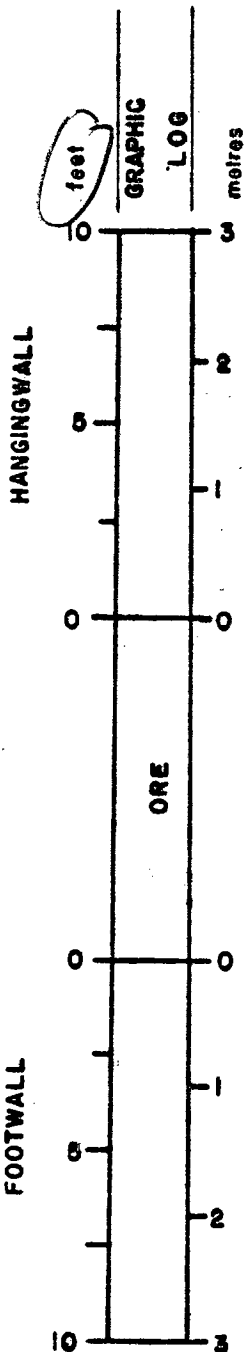
DDH F.A.G.A.O.1.4 Cyprus Anhyd Mining Corp.  
 2 8  
 Structural Log

Date: 18 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	32	34	
F				1940	IG								Minor gauge // S <sub>2</sub> ?
F	11413	5	11416	0	RIP	6							60% recovery as rubble
F	11516	2	11516	5	XIG								qtz-vein phyllite bxa
F			11614	0	IG								3 cm gauge
F			11717	2	XIG								phyllite in qtz-cs matrix
F	13121	6	13121	9	IG								rubble, 2% gauge, missing core
F	13130	6	13131	7	IG								
F			13191	5	IG				919	919			2 cm gauge // S <sub>2</sub>
F	14171	8	14171	9	XIG		919	919			919	919	qtz vein - phyllite bxa
F	14191	7	14191	3	G								gauge
F	15121	3	15141	9	NNN								core boxes missing
F	15151	4	15161	0	XIG								40% bxiabR qtz veins
													10% gauge
F	15171	2	16111	9	NNN								core boxes missing
F			16151	6	G								10 cm gauge
F			16151	7	G								10 cm gauge
F			17141	9	G								5 cm gauge
F	17171	6	17171	8	G								80% gauge
F			17181	5	IG				311	1180			5 cm gauge
F	18081	0	18111	5	J				216	1180			tension gashes
F	18141	2	18141	7	GR								gauge & rubble
F	18151	0	18151	4	XIR								bxiabR, mainly rubble
F	18151	4	18151	7	IG								30% gauge zones
F	18151	7	18171	1	RIG								rubble w/ 5% gauge in
													2-5 cm zones
F	18171	1	18171	9	XI								pyrite healed cracks bxa
F	18171	4	19141	5	NNN								core missing KA sample
F	18191	8	18191	8	XI								404 bxa
F	19131	9	19141	1	IG								5A0 gauge
F	19141	9	19141	5	G								gauge
F	19141	5	19141	6	G								gauge
F	19141	9	19151	7	R								mainly coarse rubble
F	19151	2	19151	2	XIG		919	919			919	919	bxa qtz vein + phyll.
													cnts // S <sub>2</sub>
F			110161	1	IG								8 cm gauge

GEOTECHNICAL LOG

12/12



INTERVAL	QUALITY	<del>COMPLEX RQD</del> SCORE	AVERAGE PARTING (cm)	LITHOLOGY	NOTES
574.0					
942.0		SIZE OF CORE			ALL LOW V. GRADE - PROBABLY NOT MINABLE



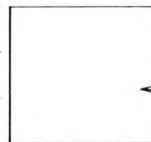
# DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY \_\_\_\_\_

D.D.H. No. A - 14 PAGE 2 of 4

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



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

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

DIRECTION AND DISTANCE FROM

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH Proposed: \_\_\_\_\_ 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		
319	97.4 326	Striped grey phyllite with blebs of pyrrhotite and pyrite.															
326	107.3 352	Black graphitic phyllite. Note quartz vein with pale arsenopyrite (tetrahedrite?) and pyrite blebs. Phyllite mica rich. Very thin (1-2 mm) quartzo-feldspathic laminae define F <sub>1</sub> . Core Angles: 20' - F <sub>2</sub> 75, F <sub>1</sub> subvert; 40 - 80; F <sub>1</sub> folded; 60-75° 80-72, F <sub>1</sub> subvert; 100 - 80; 120 - 65; 140 - 62; 160 - 74; 180 - 70; 200 - 74; 220 - 70; 240 - 60; 260 - 74; 280 - 71; 300 - 80; 320 - 62; 340 - 77															
352	121.7 400	Same dark grey to black thinly laminated, graphitic phyllite. Blebs of pyrrhotite and pyrite in phyllite and in later quartz veins.															
400	128.5 448	Same black graphitic phyllite. Fine grained, micaceous. Blebs of pyrrhotite, pyrite throughout. Tension gashes in filled with quartz. F <sub>1</sub> subvert to F <sub>2</sub> .															
448	141.4 523	Same black thinly laminated graphitic phyllite. Blebs pyrrhotite, pyrite (1"). Core angles: 360 - F <sub>2</sub> 70; 380 - 80; 400 - 82; 420 - 76; 440 - 75; 460 - 75; 480 - 85F <sub>2</sub> , F <sub>1</sub> subvert to F <sub>2</sub> ; 500 - 66; 520 - 75°															
523	171.1 626	Same black graphitic phyllite. Quartzo-feldspathic laminae define F <sub>1</sub> . Minor pyrite and arsenopyrite? or tetrahedrite? at 578 - 80. Arsenopyrite in quartz veins at 542-51, 556-58.															
626	178.2 637	Pale STRIPED, MINERALIZED, sericite chlorite PHYLLITE. BANDS OF MASSIVE SULPHIDE - pyrite sphalerite ± galena at 634 - 37. Also disseminated pyrite, pyrrhotite, galena, arsenopyrite in brecciated sericite phyllite ex 627', 632'.		2627	632	636	4	1.45	1.22	.64	.01	.19					

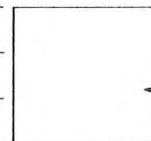
# DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY \_\_\_\_\_

D.D.H. No. A - 14 PAGE 3 of 4

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



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

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

DIRECTION AND DISTANCE FROM

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH Proposed: \_\_\_\_\_ 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		
637	688	Very pale striped, (bleached?) quartzo-feldspathic chlorite sericite phyllite. Core angles: 540 - 60°; 560 - 75°; 580 - 85°; 600 - 80°; 620 - 70°; 640 - 75°; 660 - 77°; 680 - 85°															
688	852	Pale grey to white, striped, sericite chlorite phyllite. Quartzo-feldspathic layers define F <sub>1</sub> which is locally at high angles to F <sub>2</sub> . Mineralized at 846-52; Zone of broken, gouged rock with thin (1-2") bands of massive sphalerite, pyrite, barite.															
852	871.5	Graphitic phyllite. Thinly laminated; minor pyrite. Core angles: 700 - 75°; 720 - 75°; 740 - 68°; 760 - 77°; 780 - 75°; 800 - 70, F <sub>1</sub> high angles F <sub>2</sub> ; 820 - 75°; 840 - 72															
871.5	874	Black graphitic phyllite. Minor pyrite, pyrrhotite at 872'.															
874	896	Grey, mineralized quartzose; graphitic phyllite. Mineralized: with pyrite, minor sphalerite, galena, pyrrhotite which locally makes up 30 - 40% of rock. Chalcopyrite occurs in late tension fractures.	2628	873	883	10	.29	.42	.92	.005	.16	7.1	Pb2n				
			2629	883	896	13	.63	.69	1.08	.005	.16	17.16	"				
				873.0	896.0	23.0	1.1	Pb2n				24.26	"				
896	905	Massive banded, pyritic sulphide. Pyrite, sphalerite and galena in a 6" quartzo-feldspathic breccia zone at 898. Last 2' of section richer in barite, also minor pyrrhotite .	2630	896	905	9	6.53	6.96	2.67	.02	.30						
905	930	Grey, mineralized, quartzose, graphitic phyllite. Mineralized: Contains locally up to 70% fine grained, sphalerite, pyrite, with minor galena and chalcopyrite which is concentrated mainly in F <sub>1</sub> layers but also in F <sub>2</sub> transposition foliation.	2631	905	915	10	.55	.66	.36	.005	.20						
			2632	915	925	10	2.00	2.76	1.56	.01	.17						
			2633	925	930	5	.33	.46	.64	.01	.15						
			Wt. Av.	976.0	906.5	10.5	5.68	6.06	2.32 (79.5% Zn)	(0.67 Au)	(6.29 Cu)						
				914.5	925.0	10.5	1.23	2.66	1.50 (51%) (0.33 Au)	(0.17 Cu)							



# DDH: FAGA014 -- 132 DEGREE PROFILE

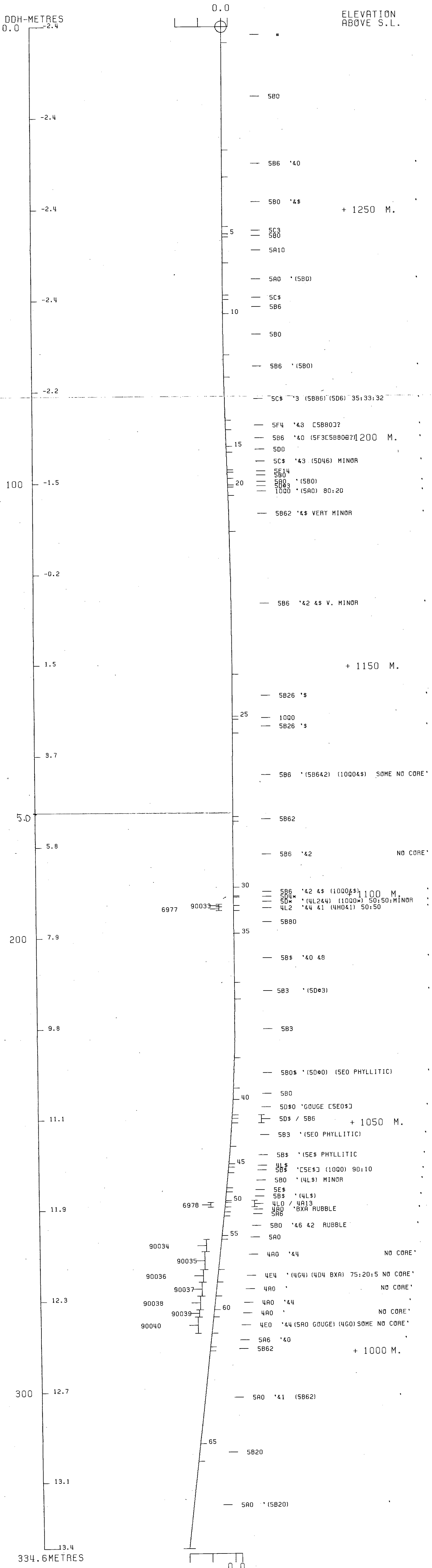
( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1290 592111E ; 904874N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 393.8 Z = 1290.2

SECTION NAME: 035



# DDH: FAGA014 -- 132 DEGREE PROFILE

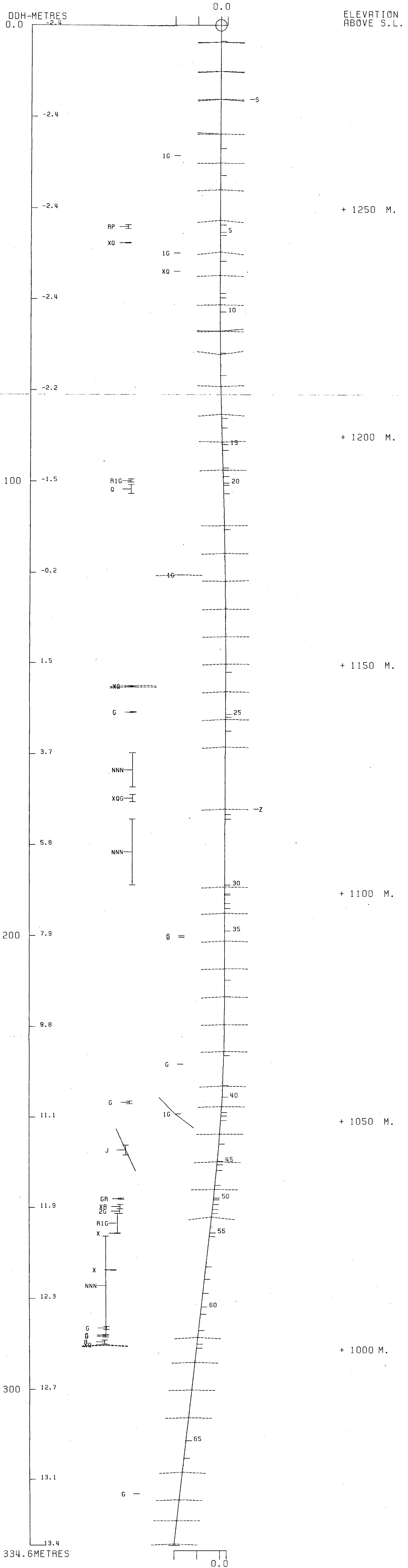
( VIEW AZIMUTH = 42 DEGREES )

ELEV:1290 592111E ; 904874N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 393.8 Z = 1290.2

SECTION NAME: 03S



FAGA017

84/10/16

## GRUM DATABASE - QUIZ REPORT

PAGE 2

DCH	SAMPLE	---DEPTHS---		INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PO+PY	ZN
		FROM	TO	M	X	UNIT		X	X	X	G/MT	G/MT	X	X	X	X	X	RATIO
FAGAC17	5201	210.0	213.4	3.4		4H0	3.86	.50	1.86	1.51	28.0	.21	28.75	8.00		3.37	36.75	.45
	5202	216.7	221.6	4.9		4H0	3.63	.28	1.80	1.78	27.0	.48	16.36	10.40		3.58	26.76	.50
	5203	227.1	229.5	2.4		4C37	3.75	.21	1.58	1.35	27.0	.41	16.22	12.90		2.93	29.12	.46
	9C125	232.0	235.0	3.0	100	4E71		.30	2.00	1.58	34.3	.17				3.58		.44
	90126	235.0	237.1	2.1	100	4E71		.22	.30	.30	11.0	.34				.60		.50
	9C127	237.1	239.0	1.9	100	4G4		.23	6.38	7.92	87.8	1.02				14.30		.55
	5204	239.9	243.4	3.5		4K6	3.29	.09	1.14	.94	17.0	.34	10.32	7.60		2.08	17.92	.45
	5205	243.4	246.3	2.9		4K6	4.81	.16	1.26	2.07	21.0	.55	6.03	11.70		3.33	17.73	.62
	5206	246.3	249.5	3.2		4K6	3.32	.15	.99	1.17	16.0	.55	2.97	16.50		2.16	19.47	.54
	5207	249.5	252.5	3.0		4K6	3.74	.24	1.96	1.75	32.0	1.03	5.86	19.50		3.71	25.36	.47
	5208	252.5	253.9	1.4		4K6	3.64	.25	1.42	1.05	22.0	.82	7.98	20.80		2.47	28.78	.43
	5209	259.4	261.5	2.1		4K0	3.86	.47	1.46	.79	26.0	1.03	14.20	18.40		2.25	32.60	.35

84/10/16

## GRUM DATABASE - QUIZ REPORT

PAGE 2

DDH	SAPPL	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %						OTHER	*	CPY	NORMATIVE MINERALS - VOLUME %						OTHER
				GA	SP	PO	PY	BAR	GA				SP	PO	PY	BAR			
FAGA017	5201	4H0	1.44	2.15	2.25	45.22	17.20			31.74	*	1.32	1.10	2.16	37.80	13.23			44.38
	5202	4H0	.81	2.08	2.65	25.73	22.37			46.36	*	.69	.99	2.36	19.93	15.94			60.09
	5203	4C37	.61	1.82	2.01	25.51	27.74			42.31	*	.53	.89	1.84	20.26	20.27			56.21
	90125	4E71	.87	2.31	2.36					94.47	*								
	90126	4E71	.64	.35	.45					98.57	*								
	90127	4G4	.66	7.37	11.81					80.16	*								
	5204	4K6	.26	1.32	1.40	16.23	16.34			64.45	*	.20	.57	1.14	11.45	10.61			76.04
	5205	4K6	.46	1.46	3.09	9.48	25.16			60.35	*	.37	.64	2.56	6.85	16.71			72.87
	5206	4K6	.43	1.14	1.74	4.67	35.48			56.52	*	.35	.52	1.49	3.46	24.17			70.01
	5207	4K6	.69	2.26	2.61	9.22	41.93			43.28	*	.61	1.11	2.39	7.35	30.78			57.76
	5208	4K6	.72	1.64	1.57	12.55	44.73			38.79	*	.65	.82	1.47	10.27	33.68			53.11
	5209	4K0	1.36	1.69	1.18	22.33	39.57			33.88	*	1.25	.87	1.14	18.72	30.52			47.51

DRILL HOLE : FAGA017  
NORTHING : 904,691.1  
EASTING : 592,269.0  
ELEVATION : 1,273.9  
TOTAL DEPTH : 283.2  
SECTION : W 68  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHO CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 12  
NOS DOWN-H-SURVEYS: 5  
NOS DOWN-H-LITHOLOGY: 34  
NOS DOWN-H-STRUCTURE: 68  
NOS DOWN-H-FAULTS: 9  
NOS DOWN-H-SPLINES: 5  
NOS COMPOSITES: 0

DDH: FAGA017 UTM-N: 904,691.1 UTM-E: 592,269.0 UTM-ELEV: 1,273.9 TOTAL DEPTH: 283.2 SECTION: W 68  
 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	ASSAYS														
FROM	TO					CU %	PE %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
210.0	213.4	05201	3.4	.0 4H0	3.86	.50	1.86	1.51	28.00	30.00	.21	28	8	36						
216.7	221.6	05202	4.9	.0 4H0	3.63	.28	1.80	1.78	27.00		.48	16	10	26						
227.1	229.5	05203	2.4	.0 4C37	3.75	.21	1.58	1.35	27.00		.41	16	12	29						
232.0	235.0	9C125	3.0	3.0 4E71		.30	2.00	1.58		34.30	.17									
235.0	237.1	9C126	2.1	2.1 4E71		.22	.30	.30		11.00	.34									
237.1	239.0	9C127	1.9	1.9 4G4		.23	6.36	7.92		67.80	1.02									
239.9	243.4	05204	3.5	.0 4K6	3.29	.09	1.14	.94	17.00		.34	10	7	17						
243.4	246.3	05205	2.9	.0 4K6	4.81	.16	1.26	2.07	21.00		.55	6	11	17						
246.3	249.5	05206	3.2	.0 4K6	3.32	.15	.99	1.17	16.00		.55	2	16	19						
249.5	252.5	05207	3.0	.0 4K6	3.74	.24	1.96	1.75	32.00		1.03	5	19	25						
252.5	253.9	05208	1.4	.0 4K6	3.64	.25	1.42	1.05	22.00		.82	7	20	28						
259.4	261.5	05209	2.1	.0 4K0	3.86	.47	1.46	.79	26.00		1.03	14	18	32						
WEIGHTED AVERAGE																				
210.0	213.4		3.4	.0	3.86	.50	1.86	1.51	28.00	30.00	.21	28	8	36						
216.7	221.6		4.9	.0	3.63	.28	1.80	1.78	27.00		.48	16	10	26						
227.1	229.5		2.4	.0	3.75	.21	1.58	1.35	27.00		.41	16	12	29						
232.0	239.0		7.0	7.0		.25	2.67	2.91		41.83	.45									
239.9	253.9		14.0	.0	3.74	.16	1.33	1.41	21.31		.62	6	14	20						
259.4	261.5		2.1	.0	3.86	.47	1.46	.79	26.00		1.03	14	18	32						

21FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 72

DDH: FAGAC17 UTM-N: 904,691.1 UTM-E: 592,269.0 UTM-ELEV: 1,273.9 TOTAL DEPTH: 283.2 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
61.000	175.000	111.500
122.500	172.000	71.900
183.500	168.000	60.500
244.500	163.000	59.500

21FEB84 GRUM

## DOWN-HOLE LITHOLOGY (GHO20)

PAGE: 73

DDH: FAGAD17 UTM-N: 904,691.1 UTM-E: 592,269.0 UTM-ELEV: 1,273.9 TOTAL DEPTH: 283.2 SECTION: W 68  
 RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.2	OCC1	A		0.5-	1
10.5	OCC2	50C		0.5-	1
42.1	OCC3	5B20	(5D0) VERY MINOR	0.5-	1
46.3	OCC4	5C6	(5B86) VERY MINOR	0.5-	1
53.0	OCC5	530		0.5-	1
55.9	OCC6	500	(5C3) T.O.I.	0.5-	1
61.3	OCC7	5B80		0.5-	1
61.7	OCC8	500		0.5-	1
70.1	OC09	53C	8@	0.5-	1
74.0	OC10	50C	8@ MINOR (5B20) 85:15	0.5-	1
83.2	OC11	5B20	GOUGE T.O.I.	0.5-	1
84.4	OC12	50C		0.5-	1
108.5	OC13	5B20		0.5-	1
123.4	OC14	5AC		0.5-	1
161.7	OC15	5B20	(5D0) VERY MINOR	0.5-	1
173.2	OC16	5AC		0.5-	1
181.7	OC17	5B0	-> 5B20 E.O.I.	0.5-	1
206.0	OC18	5B20	(5A0) C.O.I.	0.5-	1
210.0	OC19	5@C		0.5-	1
213.2	OC20	4HC		0.5-	1
214.0	OC21	4L7		0.5-	1
216.7	OC22	4A7		0.5-	1
221.6	OC23	4HC		0.5-	1
227.1	OC24	5B6	(5B2)	0.5-	1
227.2	OC25	4LC		0.5-	1
229.5	OC26	4C37	[4E17]	0.5-	1
232.0	OC27	5B6	(5B26) E.O.I. 60:40	0.5-	1
237.7	OC28	4E70	1	NO CORE	1
239.0	OC29	4GC		NO CORE	1
239.9	OC30	4L0		0.5-	1
253.9	OC31	4K6	88 VERY MINOR	0.5-	1
259.4	OC32	5B26		0.5-	1
261.5	OC33	4KC		0.5-	1
283.2	OC34	5AC		0.5-	1

DDH: FAGA017 UTM-N: 904,591.1 UTM-E: 592,269.0 UTM-ELEV: 1,273.9 TOTAL DEPTH: 283.2 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SG	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGAC17	0.0	11.3	CS2			0	C	0	0	C	60	230	C			1	1	1
FAGAC17	0.0	16.2	CS2			0	C	0	C	C	54	230	C			1	1	1
FAGAC17	0.0	20.6	CS2			0	C	0	C	C	65	230	C			1	1	1
FAGAC17	0.0	25.1	CS2			0	C	0	C	C	72	230	C			1	1	1
FAGAC17	0.0	29.9	CS2			0	C	0	C	C	89	230	C			1	1	1
FAGAC17	0.0	33.8	CS2			0	C	0	C	C	78	230	C			1	1	1
FAGAC17	0.0	38.3	CS2			0	C	0	C	C	80	230	C			1	1	1
FAGAC17	0.0	42.7	CS2			0	C	0	C	C	74	230	C			1	1	1
FAGAC17	8.2	45.1	CS2	S		0	C	0	C	C	0	C	C			1	1	1
FAGAC17	0.0	46.8	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	51.2	CS2			0	C	0	C	C	75	230	C			1	1	1
FAGAC17	45.1	53.0	CS2	M		0	C	0	C	C	0	0	C			1	1	1
FAGAC17	0.0	57.6	CS2			0	C	0	C	C	76	230	C			1	1	1
FAGAC17	0.0	62.2	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	67.1	CS2			0	C	0	C	C	60	230	C			1	1	1
FAGAC17	0.0	71.6	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	76.2	CS2			0	C	0	C	C	55	230	C			1	1	1
FAGAC17	53.0	77.4	CS2	S		0	C	0	C	C	0	C	C			1	1	1
FAGAC17	0.0	80.8	CS2			0	C	0	C	C	76	230	C			1	1	1
FAGAC17	0.0	85.3	CS2			0	C	0	C	C	75	230	C			1	1	1
FAGAC17	0.0	89.9	CS2			0	C	0	C	C	68	230	C			1	1	1
FAGAC17	0.0	94.6	CS2			0	C	0	C	C	72	230	C			1	1	1
FAGAC17	0.0	99.0	CS2			0	C	0	C	C	67	230	C			1	1	1
FAGAC17	0.0	103.6	CS2			0	C	0	C	C	77	230	C			1	1	1
FAGAC17	0.0	107.1	CS2			0	C	0	C	C	72	230	C			1	1	1
FAGAC17	77.4	108.6	CS2	M		0	C	0	C	C	0	0	C			1	1	1
FAGAC17	0.0	111.9	PS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	116.7	PS2			0	C	0	C	C	73	230	C			1	1	1
FAGAC17	0.0	121.3	PS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	108.6	123.4	PS2	P		0	C	0	C	C	0	0	C			1	1	1
FAGAC17	0.0	125.3	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	129.8	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	134.3	CS2			0	C	0	C	C	75	230	C			1	1	1
FAGAC17	123.4	138.6	CS2	Z		0	C	0	C	C	0	0	C			1	1	1
FAGAC17	0.0	138.7	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	142.0	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	138.6	143.0	CS2	S		0	C	0	C	C	0	0	C			1	1	1
FAGAC17	0.0	146.6	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	151.0	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	155.0	CS2			0	C	0	C	C	62	230	C			1	1	1
FAGAC17	0.0	161.2	CS2			0	C	0	C	C	60	230	C			1	1	1
FAGAC17	0.0	166.1	CS2			0	C	0	C	C	62	230	C			1	1	1
FAGAC17	143.0	167.2	CS2	M		0	C	0	C	C	0	C	C			1	1	1
FAGAC17	0.0	170.7	CS2			0	C	0	C	C	59	230	C			1	1	1
FAGAC17	0.0	174.7	CS2			0	C	0	C	C	50	230	C			1	1	1
FAGAC17	0.0	179.1	CS2			0	C	0	C	C	55	230	C			1	1	1
FAGAC17	0.0	183.4	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	190.0	CS2			0	C	0	C	C	65	230	C			1	1	1
FAGAC17	0.0	194.5	CS2			0	C	0	C	C	66	230	C			1	1	1
FAGAC17	0.0	199.0	CS2			0	C	0	C	C	70	230	C			1	1	1
FAGAC17	0.0	201.0	CS2			0	C	0	C	C	67	230	C			1	1	1

DDH: FAGA017 UTM-N: 904,691.1 UTM-E: 592,269.0 UTM-ELEV: 1,273.9 TOTAL DEPTH: 283.2 SECTION: W 68  
 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
FAGAC17	0.C	203.3	CS2		0	0	0	C	53	230	C		1	1	1
FAGA017	0.C	206.8	CS2		C	0	0	C	75	230	C		1	1	1
FAGAC17	0.C	208.5	CS2		C	0	0	0	75	230	0		1	1	1
FAGAC17	0.C	209.2	CS2		0	0	0	C	80	230	C		1	1	1
FAGAC17	167.2	210.0	CS2	S	0	0	0	C	0	0	0		1	1	1
FAGAC17	0.C	222.2	PS2		0	0	0	C	65	230	C		1	1	1
FAGAC17	0.C	226.6	PS2		0	0	0	C	49	230	C		1	1	1
FAGA017	210.C	229.5	PS2	P	0	0	0	C	0	C	C		1	1	1
FAGAC17	0.C	231.0	CS2		0	0	0	C	70	230	C		1	1	1
FAGA017	229.5	232.0	CS2	Z	0	0	0	C	0	0	C		1	1	1
FAGAC17	0.0	239.3	PS2		0	0	0	C	72	230	C		1	1	1
FAGAC17	0.C	255.0	PS2		0	0	0	0	76	230	C		1	1	1
FAGAC17	0.0	262.6	PS2		0	0	0	0	70	230	C		1	1	1
FAGAC17	0.0	267.3	PS2		0	0	0	0	70	230	C		1	1	1
FAGAC17	0.C	275.2	PS2		0	0	0	0	79	230	0		1	1	1
FAGA017	0.C	279.8	PS2		0	0	0	0	52	230	C		1	1	1
FAGAC17	232.C	283.2	PS2	P	C	0	0	0	0	0	0		1	1	1

21FEE84 GRUM

## DOWN-HOLE FAULTS (DHC20)

PAGE: 76

DDH: FAGA017 UTM-N: 904,691.1 UTM-E: 592,269.0 UTM-ELEV: 1,273.9 TOTAL DEPTH: 223.2 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CC	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGAC17	9.7	10.5	BP		2		0	0	C	C	0	0	1
FAGAC17	0.0	52.1	1XQ				0	0	C	C	0	0	1
FAGA017	74.0	76.4	GP				0	0	C	C	0	0	1
FAGA017	0.0	161.6	SGB				0	0	C	C	0	0	1
FAGAC17	161.6	163.8	BGP				0	0	C	C	0	0	1
FAGAC17	0.0	165.8	BGP				0	0	C	C	0	0	1
FAGAC17	175.2	176.0	Q				0	0	C	C	0	0	1
FAGAC17	186.6	189.5	BQ				0	0	C	C	0	0	1
FAGAC17	231.9	238.9	NNN				0	0	C	C	0	0	1

21FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 77

DDH: FAGA017 UTM-N: 904,691.1 UTM-E: 592,269.0 UTM-ELEV: 1,273.9 TOTAL DEPTH: 283.2 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGAC17	1	2
FAGAC17	2	2
FAGAC17	3	2
FAGAC17	4	2
FAGAC17	5	1

84/10/16

## GRUM DATABASE - QUIZ REPORT

PAGE 2

DCM	SAMPLE	---DEPTHS---		INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PO+PY	ZN
		FROM	TO	M	X	UNIT		X	X	X	G/MT	G/MT	X	X	X	X	X	RATIO
FAGAC17	5201	210.0	213.4	3.4		4H0	3.86	.50	1.86	1.51	28.0	.21	28.75	8.00		3.37	36.75	.45
	5202	216.7	221.6	4.9		4H0	3.63	.28	1.80	1.78	27.0	.48	16.36	10.40		3.58	26.76	.50
	5203	227.1	229.5	2.4		4C37	3.75	.21	1.58	1.35	27.0	.41	16.22	12.90		2.93	29.12	.46
	9C125	232.0	235.0	3.0	100	4E71		.30	2.00	1.58	34.3	.17				3.58		.44
	90126	235.0	237.1	2.1	100	4E71		.22	.30	.30	11.0	.34				.60		.50
	9C127	237.1	239.0	1.9	100	4G4		.23	6.38	7.92	87.8	1.02				14.30		.55
	5204	239.9	243.4	3.5		4K6	3.29	.09	1.14	.94	17.0	.34	10.32	7.60		2.08	17.92	.45
	5205	243.4	246.3	2.9		4K6	4.81	.16	1.26	2.07	21.0	.55	6.03	11.70		3.33	17.73	.62
	5206	246.3	249.5	3.2		4K6	3.32	.15	.99	1.17	16.0	.55	2.97	16.50		2.16	19.47	.54
	5207	249.5	252.5	3.0		4K6	3.74	.24	1.96	1.75	32.0	1.03	5.86	19.50		3.71	25.36	.47
	5208	252.5	253.9	1.4		4K6	3.64	.25	1.42	1.05	22.0	.82	7.98	20.80		2.47	28.78	.43
	5209	259.4	261.5	2.1		4K0	3.86	.47	1.46	.79	26.0	1.03	14.20	18.40		2.25	32.60	.35

84/10/16

## GRUM DATABASE - QUIZ REPORT

PAGE 2

DDH	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %					OTHER *	CPY	NORMATIVE MINERALS - VOLUME %					OTHER	
				GA	SP	PO	PY	BAR			GA	SP	PO	PY	BAR		
FAGA017	5201	4H0	1.44	2.15	2.25	45.22	17.20		31.74	*	1.32	1.10	2.16	37.80	13.23		44.38
	5202	4H0	.81	2.08	2.65	25.73	22.37		46.36	*	.69	.99	2.36	19.93	15.94		60.09
	5203	4C37	.61	1.82	2.01	25.51	27.74		42.31	*	.53	.89	1.84	20.26	20.27		56.21
	9C125	4E71	.87	2.31	2.36				94.47	*							
	9C126	4E71	.64	.35	.45				98.57	*							
	9C127	4G4	.66	7.37	11.81				80.16	*							
	5204	4K6	.26	1.32	1.40	16.23	16.34		64.45	*	.20	.57	1.14	11.45	10.61		76.04
	5205	4K6	.46	1.46	3.09	9.48	25.16		60.35	*	.37	.64	2.56	6.85	16.71		72.87
	5206	4K6	.43	1.14	1.74	4.67	35.48		56.52	*	.35	.52	1.49	3.46	24.17		70.01
	5207	4K6	.69	2.26	2.61	9.22	41.93		43.28	*	.61	1.11	2.39	7.35	30.78		57.76
	5208	4K6	.72	1.64	1.57	12.55	44.73		38.79	*	.65	.82	1.47	10.27	33.68		53.11
	5209	4K0	1.36	1.69	1.18	22.33	39.57		33.88	*	1.25	.87	1.14	18.72	30.52		47.51

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 7A-A017

Project: Grum Releg

Location: Vangorda Plateau

Claim: # Grum 3

Terr. Plane  
Co-ords.: 6904691.12 N

592268.99 E

Grid  
Co-ords.: 68W/45

Elevation: 1273.9

Total Depth: 929.0' (283.20 m)

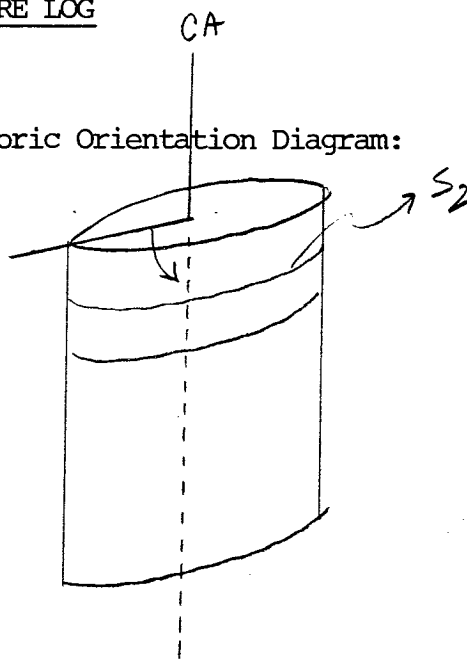
Purpose: \_\_\_\_\_

Logged by: JSM

Date(s) Logged: June 3-8 1980

Drilling Contractor:	_____	Core:	Size	From	To	Collar Cased and Capped: _____
			<u>80</u>	<u>27</u>	<u>929'</u>	
			_____	_____	_____	
			_____	_____	_____	

Fabric Orientation Diagram:



All symmetry determinations looking

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

SW with dip azimuth 230.

Started: June 29, 1974 Completed: July 10, 1974

W/M  
1779 HW  
On Map to be Surveyed



Lithologic Log

Logged By: JSM

Code	From			To			Unit	Code	Description
	10	14	16	20	22	23			
L	100			1270			1		0/B + glacial till (qtzite + igneous boulders)
L	1270			1345			12	5D13	At TOI 6" coarse grained qtz vein at 70' to CA At EOI 6" recov. for 2 1/2', broken
L	1270			1380			13	5B12	Frequent thin (<2") qtz + carbonate veins, two 6" qtz + carb veins, two interbeds (6"-1') of 5D3, minor 1/2" py + po blebs, minor py laminae fracture-fill + local bxia fill; Phyllite becomes less calcareous below ~90'. Small qtz boudins; variable carbon content.
L	1380			15120			14	5D16	Only v. minor CO <sub>3</sub> , mottled texture in middle + end of interval. 2" qtz vein @ etc of mottled w/ normal. Included in this interval is ~1ft of 5B0 (chloritic + thick bands)
L	15120			1740			15	5B10	carbon + py rich @ 161, autobxia + cc veined @ 171, 6" OGO @ EOI
L	1740			1835			16	5D13	mottled texture, becomes massive-laminar toward EOI; 3" OGO @ end.
L	1835			2010			17	5B1D	this interval has the massive laminated texture of 5D but has phyllitic sheen + gray color of 5B. Strongly calcareous, interrupted by OGO up to 6" (5B0)
L	2010			2025			18	5D13	massive-laminar; typical 5D-green, strongly calcareous
L	2025			2300			19	5B10	Strongly calcareous, locally ankeritic. Minor carbon content, steep irregular cc fracture fillings, minor py on fractures.
L	2300			2428			10	5D13	weak to strong calcareous, minor ankerite, green to buff massive to massive-laminated, OGO // S <sub>2</sub> , interbed of 5B2 238.0' to 239.5' and again @ 241.0 - 241.5
L	2428			2730			11	5B12	Top 8ft = gouge; calcareous, graphitic, poor recovery. variable carbon content; strongly calcareous; py blebs + dissem, fine py in siliceous layers. cc filled steep, tensional fractures (S <sub>4</sub> ?). Black 1/2" blebs of graphitic phyllite in siliceous sections; "boudin-like"
L	2730			2770			12	5D13	Massive-banded, qtz + carbonate bands,
L	2730			3560			13	5B12	wide bands, dissem py, po blebs. Same as unit 11.
L	3560			4047			14	5A13	minor py + po, dissem. + blebs up to 2", some broken rec.
L	4047			5305			15	5B12	strongly calcareous, variable carbon, carbonate-filled tension fractures; shear zone @ EOI? (broken, gouged, 6" qtz + carb. OGO vein.) Same as 11 + 13.

Elev m	From		To		Unit		Code	Description
	10	14	16	20	22 23	25	27	
								some more massive sections; One thin interbed of 5D ~ 413'
L	15310	5	15683	3	16	5A3		Top 7' = broken, gouged, poor recovery, + again @ 544; fine py; 6" fractured Qtz + carb. vein @ 566'.
L	15683		15960		17	5B10		275-277.5 atz + carb vein w/ mariposite developed in the included phyllite, gradational increase in carbon content to lower etc. Py + po: dissem, laminae, blebs + veinlets.
L	15960		16760		18	5B2		gradational upper etc, broken fractured + Qtz-veined 613-622'. → 5A in middle of interval. Py + po dissem, blebs, laminae + veinlets.
L	16760		16890		19	5B10		slight white mica development, py + po following S <sub>1</sub> and S <sub>2</sub> , minor galena.
L	16890		16995		20	4H <sup>9</sup>		po >> py, minor (45%) galena + red sphal, some Qtzite banding, patches + veins of late cpy, some sericite,
L	16995		17020		21	4L7		minor cpy, sphal, gal
L	17020		17110		22	4A7		minor cpy
L	17110		17270		23	4H <sup>9</sup>		po > py, minor galena + orange sphal, late cpy + carbonate, banding of sulfides w/ Qtz + sericite gangue, 6" 4L7 @ 722'.
L	17270		17450		24	5B16		(5B2) Qtz + carb veins up to 6", minor po + py + sericite
L	17450		17452		25	4L10		
L	17452		17530		26	4C <sup>3</sup> 7		banded py + Qtzite, minor po, gal, sphal, sericite, late cpy
L	17530		17610		27	5B16		fairly strong sericite development to 75B then 5B2 also non- calcareous, minor py + po. Qtz + carbonate veins assoc w/ arsenopyrite xls → 3/4"
L	17610		17840		28	4B6		? No core remaining (met test?) 761-780 4E70 780-784 4G-0
L	17840		17870		29	4L10		
L	17870		18330		30	4K4		(6) minor sphal + gal + barite; v. minor cpy + mgt(833); banding in Qtz carb + sericite gangue
L	18330		18510		31	5B2		(6) only weakly calcareous
L	18510		18580		32	4K4		very minor red sphalerite
L	18580		19290		33	5A3		py + po blebs up to 1"; irregular calcite veining; S <sub>2</sub> mostly // S <sub>1</sub> ; S <sub>2</sub> shallow to horizontal

Structural Log

Code	From		To		Feature	SYM	S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14	16	20			22	24	26	28		32
S				217								o/B
S				317.0	C.S.2				6.0	2.3.0		S region 27.0-148.0
S				530	C.S.2				5.4	2.3.0		P sym 48-70'
S				675	C.S.2				6.5	2.3.0		R sym 84.5-90'
S				825	C.S.2				7.2	2.3.0		
S				980	C.S.2				8.9	2.3.0		
S				1,171.0	C.S.2				7.8	2.3.0		
S				1,215.5	C.S.2				8.0	2.3.0		
S				1,410.0	C.S.2				7.4	2.3.0		
S				1,480	F.2.S							M region 148.0-174.0
S				1,535	C.S.2				7.0	2.3.0		
S				1,680	C.S.2				7.5	2.3.0		
S				1,740	F.2.M							S region 174.0-254.0
S				1,890	C.S.2				7.6	2.3.0		R sym to 202.5 SD
S				2,040	C.S.2				7.0	2.3.0		Z sym 215.5-220.5
S				2,200	C.S.2				6.0	2.3.0		R sym 230.0-236.0 SD
S				2,350	C.S.2				7.0	2.3.0		D sym 241.0-242.0
S				2,510.0	C.S.2				5.5	2.3.0		
S				2,540	F.2.S							M region 254.0-356.2
S				2,650	C.S.2				7.6	2.3.0		50% each S+Z
S				2,800	C.S.2				7.5	2.3.0		afew scattered D+R
S				2,950	C.S.2				6.8	2.3.0		
S				3,110.5	C.S.2				7.2	2.3.0		
S				3,248	C.S.2				6.7	2.3.0		
S				3,410.0	C.S.2				7.7	2.3.0		
S				3,512.5	C.S.2				7.2	2.3.0		
S				3,562	F.2.M							R region 356.2-404.7 SA3
S				3,670	P.S.2				7.0	2.3.0		
S				3,830	P.S.2				7.3	2.3.0		
S				3,980	P.S.2				7.0	2.3.0		
S				4,047	F.2.R							Z region 404.7-454.7
S				4,110	C.S.2				7.0	2.3.0		scattered P,S+M sym
S				4,260	C.S.2				7.0	2.3.0		
S				4,410.5	C.S.2				7.5	2.3.0		
S				4,547	F.2.S							S region 454.7-
S				4,550	C.S.2				7.0	2.3.0		

Code	From		To		Feature	SYM	S <sub>1</sub> Dip Direct.		S <sub>2</sub> Dip Direct.		Description
	10	14	16	20			22	24	26	28	
S			14060		C/S2				710	2310	
S			14690		F2S						M region 469.0 - 548.4
S			14810		C/S2				710	2310	50% each S+Z
S			14955		C/S2				710	2310	
S			15085		C/S2				612	2310	
S			15290		C/S2				610	2310	
S			15450		C/S2				612	2310	
Z			15484		F2M						S region 548.4 - 689.0
S			15602		C/S2				519	2310	
S			15732		C/S2				510	2310	
S			15877		C/S2				515	2310	
S			16018		C/S2				710	2310	
S			16235		C/S2				615	2310	
S			16380		C/S2				616	2310	
S			16529		C/S2				710	2310	
Z			16595		C/S2				617	2310	
S			16670		C/S2				513	2310	
S			16785		C/S2				715	2310	
S			16840		C/S2				715	2310	
S			16863		C/S2				810	2310	
S			16890		F2S						R region 689.0 - 753.0
S			17290		P/S2				615	2310	massive sfs + 5B2
S			17436		P/S2				419	2310	split core - assumed R sym
S			17530		F2R						Z region 753 - 762
S			17580		C/S2				710	2310	
S			17610		F2Z						R region 762.0 - 929.0
S											762.0 - 784.0 no core
S			17850		P/S2				712	2310	784.0 - 787.0 4L0
S											787.0 - 833.0 4KA split
S			18136		P/S2				716	2310	833.0 - 851.0 5B2
S											851.0 - 858.0 4KA split
S			18612		P/S2				710	2310	858.0 - 929.0 5A3
S			18770		P/S2				710	2310	
S			19030		P/S2				719	2310	
S			19180		P/S2				512	2310	







# DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

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



D.D.H. No. A - 17 PAGE 2 of 4  
 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			
405	530	GREY MODERATELY GRAPHITIC PHYLLITE. Greenish cast where chlorite rich. Boudined fragments of black graphitic phyllite. Minor pyrite in thin quartzo-feldspathic laminae. <span style="float: right;">G</span>																
530	569	Black graphitic phyllite. F <sub>1</sub> subvertical to F <sub>2</sub> . Quartz veins to 6" wide. <span style="float: right;">G</span>																
569	598	GREY, locally greenish, PHYLLITE. Abundant quartzo-feldspathic laminae. Green chlorite and mariposite in quartz veins. Minor pyrite and pyrrhotite. <span style="float: right;">C</span>																
598	678	Grades to darker grey to black, striped graphitic phyllite with thin quartzo-feldspathic laminae. F <sub>1</sub> subvertical to F <sub>2</sub> . Minor pyrite, pyrrhotite blebs (1/4") or in thin fractures. Note boudined graphitic layers. <span style="float: right;">G</span>																
678	689	GREY, locally greenish, PHYLLITE (chlorite, sericite, mica). Fractures filled with quartzo-feldspathic material. Fine grained pyrrhotite, pyrite with minor red sphalerite, galena at 679 - 681. <span style="float: right;">CS</span>																
689	700	MASSIVE pyrrhotitic SULPHIDE. 80-90% sulphide. Chalcopyrite in blebs and late fractures. Mineralization: pyrrhotite, pyrite, sphalerite, galena, chalcopyrite. Core angles, 680' = 80°; 695' = 25°; 700' = 68° <span style="float: right;">M</span>	11/11	2648	689	700	11	1.98	1.54	.78	.005	.45						
700	712	BLACK GRAPHITIC PHYLLITE with thin (1-3') bands of sericite phyllite. Mineralized: This bands (6"-1') of pyrrhotite rich sulphide. Weakly mineralized phyllite. <span style="float: right;">G</span>	12/12	2649	700	710	10	.34	.26	.18	.005	.07						
712	728	MASSIVE BANDED PYRITIC SULPHIDES. Sericite schist gangue. Last 2' sericite breccia and angular white quartz, buff feldspar fragments. Mineralogy: Pyrite, pyrrhotite, galena, orange <span style="float: right;">M</span>	10/10	2650	710	720	10	1.83	1.40	.80	.01	.25	32.30	Pb	Zn	Ag		

# DIAMOND

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_

152	00'0"
	00'1"
	00'2"
	00'3"
	00'4"
	00'5"
	00'6"
	00'7"
	00'8"
	00'9"
	00'10"
	00'11"
	00'12"
	00'13"
	00'14"
	00'15"
	00'16"
	00'17"
	00'18"
	00'19"
	00'20"
	00'21"
	00'22"
	00'23"
	00'24"
	00'25"
	00'26"
	00'27"
	00'28"
	00'29"
	00'30"
	00'31"
	00'32"
	00'33"
	00'34"
	00'35"
	00'36"
	00'37"
	00'38"
	00'39"
	00'40"
	00'41"
	00'42"
	00'43"
	00'44"
	00'45"
	00'46"
	00'47"
	00'48"
	00'49"
	00'50"

Stanley Reamsbottom

D.D.H. No. A - 17 PAGE 3 of 4

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

STARTED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_  
 Proposed: \_\_\_\_\_  
 DEPTH Ultimate: \_\_\_\_\_

FOOTAGE FROM	TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		sphalerite, Chalcopyrite, 70-80% Sulphide.	8/8	2651	720	728	8	1.70	1.42	.76	.005	.24	24.96	76.27	1.92
728	745	BLACK, Striped, GRAPHITIC PHYLLITE. Quartz veins. Minor pyrite.	7/7	2652	745	753	8	1.88	1.18	.92	.005	.17	67.26	76.27	1.92
745	753	MASSIVE PYRITIC SULPHIDE. Sericite phyllite gangue. 70% sulphide. Mineralogy: pyrite, pyrrhotite, galena, minor sphalerite, chalcopyrite in late veins. Core angle - 754' = 62°													
		DARK GREY, BLACK GRAPHITIC PHYLLITE; Note quartz veins with arsenopyrite crystals (3/4")													
753	761	MASSIVE SULPHIDE. 70-80% Sulphide. Banded pyrite, pyrrhotite with less galena, sphalerite, chalcopyrite in late veins. Note 780-784 more orange sphalerite and white barite. Gangue mainly brecciated sericite phyllite. Core angle: 762' = 67°; 770' = 77°; 782' = 65°	10/10	2653	761	771	10	2.00	1.58	1.00	.005	.30	39.24	47.52	15.36
		PALE BLEACHED QUARTZ SERICITE PHYLLITE	7/7	2654	771	778	7	.30	.30	.32	.01	.22			
		BANDED MASSIVE OR DISSEMINATED PYRITIC SULPHIDE (80% sulphide) Mineralized sericite phyllite (to 800') with massive pyritic sulphide in 1' bands (60% min) Local breccia zones (745-798). Barite in fractures. Min. silic. black grey phyllite (80% sulphide) with bands of sericite phyllite (818-828'). Locally brecciated. Sulphides: pyrite, pyrrhotite, galena, red-orange sphalerite, minor chalcopyrite. Note blebs of black magnetite (843')	6/6	2655	778	784	6	6.38	7.92	2.56	.03	.23			
			1/2	2656	784	786									
784	787		65/65	2656	786	792.5	6.5	1.03	.65	.48	.005	.10	8.25	4.86	3.6
			45/45	2657	792.5	797	4.5	1.83	1.08	.80	.005	.10	15.90	35.2	6.6
787	844.5		5/5	2658	797	802	5.0	3.15	5.04	1.32	.04	.21			
			5/5	2659	802	807	5.0	.25	.16	.14	.005	.13			
			5/5	2660	807	812	5.0	.50	.66	.52	.005	.24			
			4.8/5	2661	812	817	5.0	.28	.12	.52	.005	.28			
			5/5	2662	817	822	5.0	2.50	1.84	1.40	.02	.23			
			5/5	2663	822	827	5.0	1.85	1.26	.80	.005	.30			
			4.7/5	2664	827	832	5.0	1.20	.51	.68	.01	.33			
			5/5	2665	832	837	5.0	1.43	.66	.68	.01	.33			
			5/5	2666	837	842	5.0	1.43	.66	.68	.01	.33			
844.5	929	BLACK GRAPHITIC PHYLLITE. Very fine grained with less quartz-	45/45	2667	842	846.5	4.5	1.30	.61	.58	.005	.25			

# DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY \_\_\_\_\_

D.D.H. No. A-17 PAGE 3 of 4

LATITUDE \_\_\_\_\_

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

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

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

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

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

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

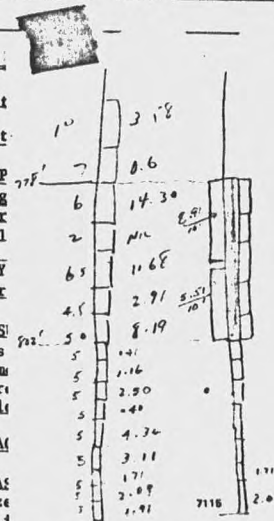


CLAIM No. \_\_\_\_\_

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

NE. CLAIM POST

FOOTAGE			Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet			
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
728	745	sphalerit BLACK, St	8/8	2651	720	728	8	1.70	1.42	.76	.005	.24	24.90	762		
745	753	MASSIVE P Mineralog chalcopyr Core angl	7/7	2652	710	728	180	5.18	PeZn				87.20	702		
753	761	DARK GREY arsenopyr	8/8	2652	745	753	8	1.88	1.18	.92	.005	.17				
761	784	MASSIVE S with less 780-784 m mainly br Core angl	7/8	2653	753	761										
784	787	PALE BLEA	10/10	2653	761	771	10	2.00	1.58	1.00	.005	.30				
787	844.5	BANDED MAS Mineralize sulphide Barite in fractures. Min. silic. black grey phyllite (80% sulphide) with bands of sericite phyllite (818-828'). Locally brecciated. Sulphides: pyrite, pyrrhotite, galena, red-orange sphalerite, minor chalcopyrite. Note blebs of black magnetite (843')	7/7	2654	771	778	7	.30	.30	.32	.01	.22				
			6/6	2655	778	784	6	6.38	7.92	2.56	.03	.23	28.29	47.52	25.36	
			12	2656	784	786										
			65/65	2656	786	792.5	6.5	1.03	.65	.48	.005	.10				
			45/45	2657	792.5	797	4.5	1.83	1.08	.80	.005	.10	9.25	4.46	3.6	
			5/5	2658	797	802	5.0	3.15	5.04	1.32	.04	.21	15.920	25.2	6.6	
			5/5	2659	802	807	5.0	.25	.16	.14	.005	.17				
			5/5	2660	807	812	5.0	.50	.66	.18	.005	.13				
			4.8/5	2661	812	817	5.0	.98	1.52	.52	.02	.22				
			5/5	2662	817	822	5.0	.28	.12	.52	.005	.24				
			5/5	2663	822	827	5.0	2.50	1.84	1.40	.02	.23				
			4.7/5	2664	827	832	5.0	1.85	1.26	.80	.005	.28				
			5/5	2665	832	837	5.0	1.20	.51	.68	.01	.30				
			5/5	2666	837	842	5.0	1.43	.66	.68	.01	.33				
844.5	929	BLACK GRAPHITIC PHYLLITE. Very fine grained with less quartz-	45/45	2667	842	846.5	4.5	1.30	.61	.58	.005	.25				



A-17



# DDH: FAGA017 -- 132 DEGREE PROFILE

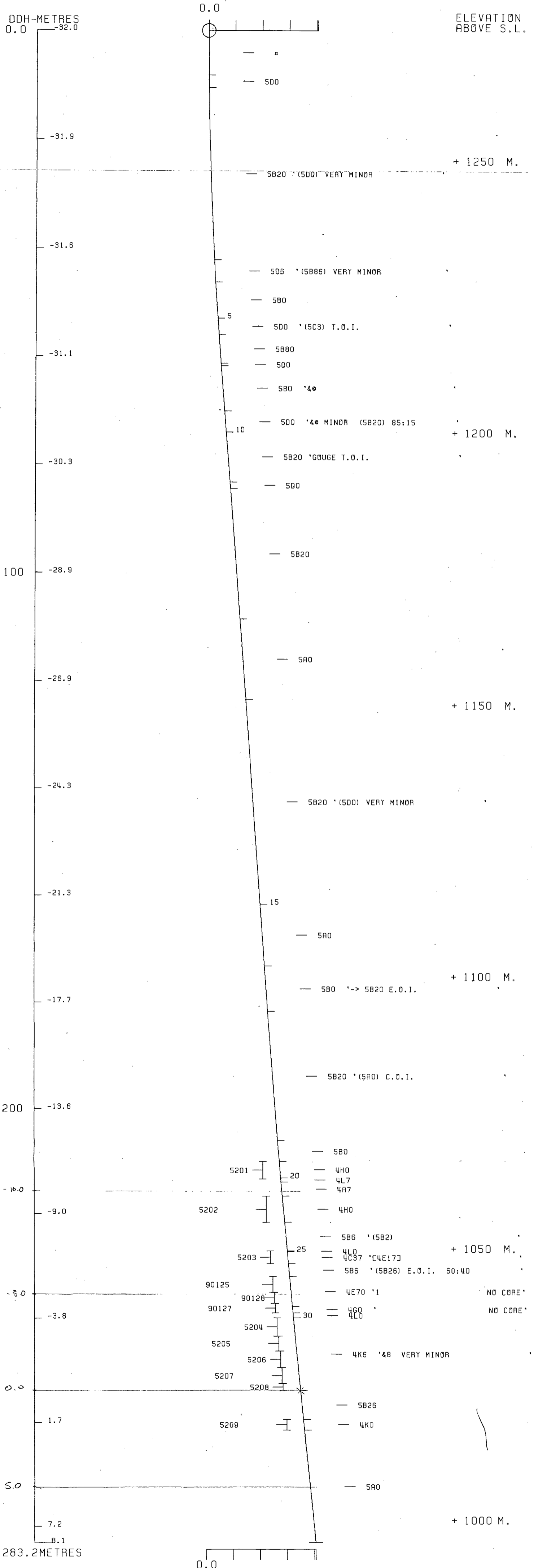
( VIEW AZIMUTH = 42 DEGREES )

ELEV:1274 592269E ; 904691N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 633.9 Z = 1273.9

SECTION NAME: 03S



# DDH: FAGA017 -- 132 DEGREE PROFILE

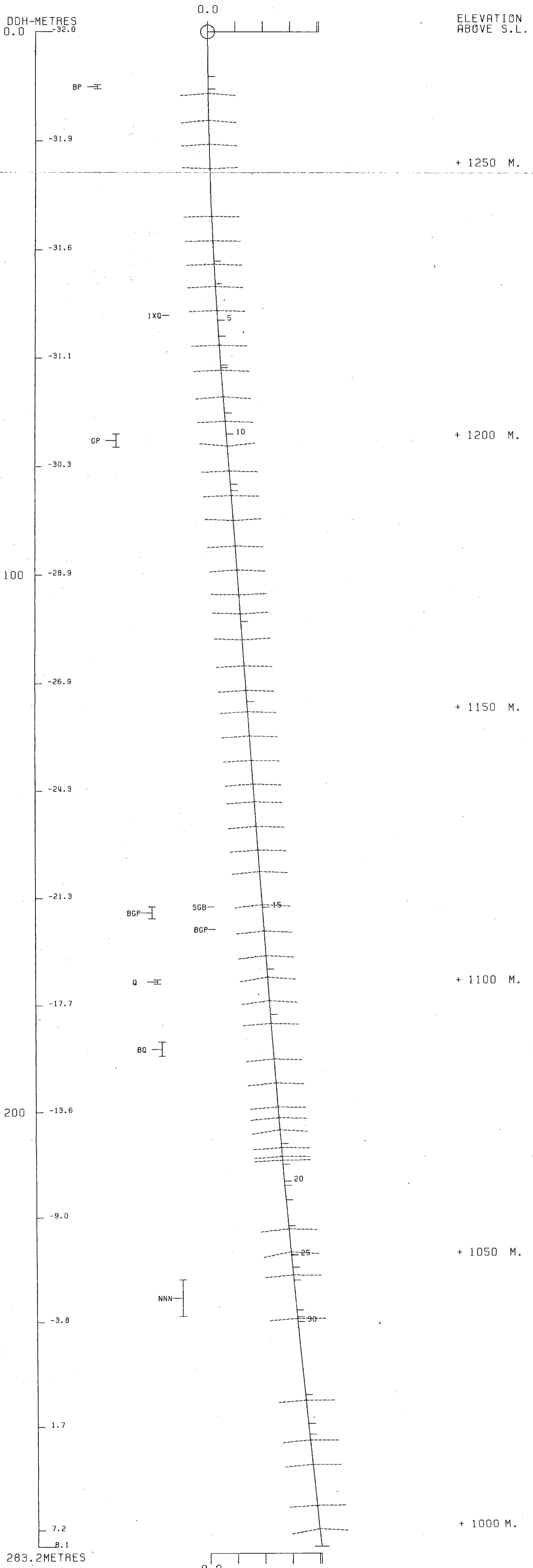
( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1274 592269E ; 904691N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 633.9 Z = 1273.9

SECTION NAME: 03S



FAGA152

84/10/16

## GRUM DATABASE - QUIZ REPORT

PAGE 11

DCM	SAMPLE	---DEPTHS---	INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PO+PY	ZN	
		FROM TO	M	%	UNIT		%	%	%	G/MT	G/MT	%	%	%	%	%	RATIO	
FAGA152	5359	93.3 94.8	1.5	93	4A3	2.85	.05	-.13	-.37	5.0	2.19							
	5360	94.8 96.3	1.5	87	4A3	2.81	-.06	-.17	-.22	7.0	.21							
	5361	96.3 97.8	1.5	100	4A3	2.81	-.05	-.12	-.15	6.0	.34							
	5362	97.8 99.3	1.5	93	4A3	2.99	-.15	-.07	-.18	7.0	.48							
	5363	99.3 100.8	1.5	100	4A3	3.08	-.14	-.10	-.34	7.0	.21							
	5364	100.8 101.8	1.0	100	4A3	2.90	-.15	-.05	-.10	6.0	.21							
	5365	104.3 106.3	2.0	70	4A3	2.98	-.16	-.07	-.21	5.0	.41							
	5366	106.3 108.3	2.0		4A3	2.87					.48							
	5367	108.3 110.3	2.0	100	4A3	2.87	.07	.01	-.15	3.0	.27							
	5368	110.3 112.3	2.0	100	4A3	2.82	-.11	.01	-.18	3.0	.27							
	5369	112.3 114.3	2.0	85	4A3	3.06	-.13	.03	-.55	5.0	.27							
	5370	114.3 116.3	2.0	80	4A3	2.90	-.13	.02	-.36	5.0	.21							
	5371	116.3 118.3	2.0	100	4A3	2.93	.07	.02	-.38	3.0	.21							
	5372	118.3 120.3	2.0	100	4A3	2.89	.07	.01	-.20	2.0	.21							
	5373	120.3 122.3	2.0	100	4A3	2.82	-.16	.01	-.51	5.0	.34							
	5374	122.3 124.3	2.0	95	4A3	2.85	-.23	.01	-.38	6.0	.34							
	5375	124.3 126.3	2.0	95	4A3	2.88	-.18	.01	-.68	5.0	.41							
	5376	126.3 128.3	2.0	100	4A3	2.91	-.17	.01	-.32	3.0	.21							
	5377	128.3 130.3	2.0	50	4A3	2.82	-.16	.02	-.19	4.0	.27							
	5378	130.3 132.0	1.7	100	4A3	2.88	-.10	.01	-.25	4.0	3.02							
	5379	136.2 138.2	2.0	100	4A3	2.83	-.15	.01	-.19	4.0	.27							
	5380	138.2 140.2	2.0	90	4A3	2.90	-.25	.01	-.21	4.0	.34							
	5381	140.2 142.2	2.0	100	4A3	2.75	-.15	.01	-.09	2.0	.21							
	5382	142.2 144.2	2.0	85	4A3	2.80	-.13	.01	-.04	3.0	.21							
	5383	144.5 146.7	2.2	91	4A3	2.96	-.12	-.48	-.77	10.0	.62	1.68	10.00		1.25	11.68	.62	
	5384	146.7 148.4	1.7	88	400	3.89	.23	1.70	3.32	29.0	1.23	1.89	27.90		5.02	29.79	.66	
	5385	148.4 150.9	2.5	92	4A0	2.88	-.10	1.72	2.95	26.0	.48	1.84	6.90		4.67	8.74	.63	
	5386	175.3 177.3	2.0	95	4L1	3.08	.11	1.18	-.91	12.0	.27	9.50	4.44		2.09	13.94	.44	
	5387	177.3 179.0	1.7	82	4L1	3.09	.08	2.45	1.88	23.0	.14	8.68	2.74		4.33	11.42	.43	
	5388	179.0 180.3	1.3	85	4L7	3.29	.15	2.26	3.10	25.0	.55	5.91	13.00		5.36	18.91	.58	
	5389	185.3 186.8	1.5	100	4A3	2.72	.03	-.58	-.88	9.0	.14				1.46		.60	
	5390	186.8 188.1	1.3	77	4A3	2.77	-.06	-.64	-.94	11.0	.21				1.58		.59	
	5391	200.6 202.6	2.0	80	4EC8	3.98	-.37	1.53	1.35	23.0	1.23	4.01	27.80		2.88	31.81	.47	
	5392	202.6 204.6	2.0	100	4C8	3.80	-.36	-.78	-.95	18.0	.69	3.50	26.00		1.73	29.50	.55	
	5393	204.6 206.0	1.4	93	4G04	3.76	-.13	4.78	5.55	69.0	1.30	4.17	13.40		10.33	17.57	.54	

## GRUM DATABASE - QUIZ REPORT

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DDH	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS			- WEIGHT %		OTHER	*	CPY	NORMATIVE MINERALS			- VOLUME %		OTHER
				GA	SP	PO	PY	BAR				GA	SP	PO	PY	BAR	
									99.15	*							
FAGA152	5359	4A3	-.14	-.15	-.55				95.30	*							
	5360	4A3	-.17	-.20	-.33				99.49	*							
	5361	4A3	-.14	-.14	-.22				99.22	*							
	5362	4A3	-.43	-.08	-.27				98.97	*							
	5363	4A3	-.40	-.12	-.51				99.36	*							
	5364	4A3	-.43	-.06	-.15				99.14	*							
	5365	4A3	-.46	-.08	-.31				####	*							
	5366	4A3							99.56	*							
	5367	4A3	.20	.01	-.22				99.40	*							
	5368	4A3	.32	.01	-.27				98.77	*							
	5369	4A3	.38	.03	-.82				95.06	*							
	5370	4A3	.38	.02	-.54				99.21	*							
	5371	4A3	.20	.02	-.57				95.49	*							
	5372	4A3	.20	.01	-.30				98.77	*							
	5373	4A3	-.46	.01	-.76				98.76	*							
	5374	4A3	-.66	.01	-.57				98.45	*							
	5375	4A3	-.52	.01	1.01				99.02	*							
	5376	4A3	-.49	.01	-.48				99.23	*							
	5377	4A3	-.46	.02	-.28				99.33	*							
	5378	4A3	-.29	.01	-.37				99.27	*							
	5379	4A3	-.43	.01	-.28				98.95	*							
	5380	4A3	-.72	.01	-.31				99.42	*							
	5381	4A3	-.43	.01	-.13				99.55	*							83.46
	5382	4A3	-.38	.01	-.06				73.80	*	.26	.23	-.89	1.79	13.38		42.82
	5383	4A3	-.35	-.55	1.15	2.64	21.51		29.45	*	.63	1.05	4.95	2.58	47.97		42.82
	5384	4A3	-.66	1.96	4.95	2.97	60.00		75.59	*	.21	.81	3.38	1.93	9.13		84.53
	5385	4A0	-.29	1.99	4.40	2.89	14.84		72.47	*	.24	.57	1.06	10.12	5.95		82.08
	5386	4L1	-.32	1.36	1.36	14.94	9.55		74.59	*	.17	1.16	2.16	9.16	3.64		83.71
	5387	4L1	-.23	2.83	2.80	13.65	5.89		55.08	*	.35	1.19	3.95	6.91	19.12		68.48
	5388	4L7	-.43	2.61	4.62	9.29	27.96		97.93	*							
	5389	4A3	-.09	.67	1.31				97.69	*							42.46
	5390	4A3	-.17	-.74	1.40				29.06	*	1.02	.95	2.02	5.51	48.04		49.44
	5391	4EC8	1.07	1.77	2.01	6.31	59.78		35.23	*	.96	.46	1.37	4.62	43.16		64.53
	5392	4C8	1.04	-.90	1.42	5.50	55.91		50.46	*	.31	2.59	7.28	5.01	20.27		
	5393	4G04	-.38	5.52	8.27	6.56	28.82			*							

DRILL HOLE : FAGA152  
NORTHING : 904,765.0  
EASTING : 592,505.2  
ELEVATION : 1,277.3  
TOTAL DEPTH : 209.2  
SECTION : W 64  
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: 35  
NOS DOWN-H-SURVEYS: 3  
NOS DOWN-H-LITHOLOGY: 48  
NOS DOWN-H-STRUCTURE: 58  
NOS DOWN-H-FAULTS: 25  
NOS DOWN-H-SPLINES: 3  
NOS COMPOSITES: 0



CDH: FAGA152 UTM-N: 904,765.0 UTM-E: 592,505.2 UTM-ELEV: 1,277.3 TOTAL DEPTH: 209.2 SECTION: W 64  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

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

DDH: FAGA152 UTM-N: 904,765.0 UTM-E: 592,505.2 UTM-ELEV: 1,277.3 TOTAL DEPTH: 209.2 SECTION: W 64  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
70.100	176.500	52.000
154.800	169.500	91.000

DDH: FAGA152 UTM-N: 904,765.0 UTM-E: 592,505.2 UTM-ELEV: 1,277.3 TOTAL DEPTH: 209.2 SECTION: W 64  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
38.7	OC01	#		0.5-	1
44.5	OC02	4L0	82 MINOR	0.5-	1
46.1	OC03	4L0		0.5-	1
50.7	OC04	4A3	(4L1) MINCR	0.5-	1
51.6	OC05	5B16		0.5-	1
52.7	OC06	5B6		0.5-	1
63.5	OC07	5B10	?	0.5-	1
64.8	OC08	4L1	BIO? (5D4*)	0.5-	1
65.6	OC09	5B16		0.5-	1
66.5	OC10	4L1		0.5-	1
67.9	OC11	4L1	(5D4*)	0.5-	1
68.6	OC12	5B16		0.5-	1
70.6	OC13	5B1		0.5-	1
75.5	OC14	4L1	(4L15) [5D4*?]	0.5-	1
77.2	OC15	5B1		0.5-	1
78.6	OC16	4L1		0.5-	1
79.8	OC17	4L1		0.5-	1
90.7	OC18	4L1	82 MINOR	0.5-	1
93.3	OC19	5B6		0.5-	1
101.8	OC20	4A3	(5D4*)	0.5-	1
104.3	OC21	5A9	16	0.5-	1
132.0	OC22	4A3	(4C0)	0.5-	1
133.0	OC23	5C4*	MCTT.	0.5-	1
134.1	OC24	4L1	(10QC)	0.5-	1
135.1	OC25	5B6	(5B61)	0.5-	1
136.2	OC26	5C*	84	0.5-	1
140.7	OC27	4A3	8#	0.5-	1
148.4	OC28	4D4	8*	0.5-	1
150.9	OC29	4A4		0.5-	1
156.9	OC30	5B1	80	0.5-	1
158.5	OC31	4L1	82 MINOR	0.5-	1
168.7	OC32	5B0	?	0.5-	1
169.5	OC33	5A10		0.5-	1
175.3	OC34	5B10	?	0.5-	1
179.0	OC35	4L1	(4L17482)	0.5-	1
180.3	OC36	4L7	8 MINOR	0.5-	1
180.8	OC37	4L0		0.5-	1
185.3	OC38	5A96		0.5-	1
188.1	OC39	4A3	(4L1) (5D4*) MINCR	0.5-	1
195.5	OC40	5B20	? GARNET ?	0.5-	1
196.3	OC41	4L1	2 MINOR	0.5-	1
197.6	OC42	5D4*		0.5-	1
200.6	OC43	5A1	(4L1)	0.5-	1
201.2	OC44	4E8#	(4E4)	0.5-	1
204.6	OC45	4C8	89 8# MINCR (4G4)	0.5-	1
205.4	OC46	4G4	88 MINOR	0.5-	1
206.0	OC47	4D4	# MINOR 85 MINOR	0.5-	1
209.2	OC48	5C4*	MCTT. (4L1)	0.5-	1

DDH: FAGA152 UTM-N: 904,765.0 UTM-E: 592,505.2 UTM-ELEV: 1,277.3 TOTAL DEPTH: 209.2 SECTION: W 64  
 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	DHCC	SDC	PROCESS
FAGA152	0.0	40.6	PS2			0	C	C	C	45	230	C		C		1	1	1
FAGA152	0.0	47.8	PS2			0	C	C	C	70	230	C		C		1	1	1
FAGA152	0.0	53.0	PS2			C	C	C	C	68	230	C		C		1	1	1
FAGA152	0.0	59.2	PS2			C	C	C	C	70	230	C		C		1	1	1
FAGA152	40.6	60.0	PS2	P		0	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	64.2	CS2			0	C	C	C	74	230	C		C		1	1	1
FAGA152	60.0	64.9	CS2	S		0	C	C	C	0	C	C		C		1	1	1
FAGA152	0.0	67.4	CS2			0	C	C	C	67	230	C		C		1	1	1
FAGA152	64.9	67.4	CS2	Z		C	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	74.0	PS2			0	C	C	C	47	230	C		C		1	1	1
FAGA152	67.4	75.5	PS2	P		0	C	C	C	0	C	C		C		1	1	1
FAGA152	0.0	81.1	CS2			0	C	C	C	46	230	C		C		1	1	1
FAGA152	0.0	87.2	CS2			0	C	C	C	43	230	C		C		1	1	1
FAGA152	75.5	87.7	CS2	S		0	C	C	C	0	C	C		C		1	1	1
FAGA152	87.7	88.5	CS2	D		0	C	C	C	0	C	C		C		1	1	1
FAGA152	88.5	90.7	CS2	M		0	C	C	C	0	C	C		C		1	1	1
FAGA152	0.0	92.7	PS2			0	C	C	C	67	230	C		C		1	1	1
FAGA152	0.0	97.1	PS2			0	C	C	C	61	230	C		C		1	1	1
FAGA152	90.7	97.2	PS2	P		0	C	C	C	0	C	C		C		1	1	1
FAGA152	0.0	102.7	CS2			0	C	C	C	54	230	C		C		1	1	1
FAGA152	97.2	102.9	CS2	Z		0	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	105.4	CS2			C	C	C	C	68	230	C		C		1	1	1
FAGA152	102.9	105.6	CS2	D		0	C	C	C	0	C	C		C		1	1	1
FAGA152	105.6	108.7	CS2	M		0	C	C	C	0	C	C		C		1	1	1
FAGA152	0.0	111.8	CS2			0	C	C	C	64	230	C		C		1	1	1
FAGA152	0.0	119.1	CS2			0	C	C	C	60	230	C		C		1	1	1
FAGA152	108.7	124.4	CS2	D		0	C	C	C	0	C	C		C		1	1	1
FAGA152	124.4	125.9	CS2	S		C	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	127.0	CS2			0	C	C	C	68	230	C		C		1	1	1
FAGA152	125.9	127.4	CS2	Z		0	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	130.7	CS2			0	C	C	C	58	230	C		C		1	1	1
FAGA152	0.0	131.8	CS2			0	C	C	C	68	230	C		C		1	1	1
FAGA152	127.4	132.0	CS2	S		0	C	C	C	0	C	C		C		1	1	1
FAGA152	0.0	135.8	PS2			0	C	C	C	69	230	C		C		1	1	1
FAGA152	132.0	136.2	PS2	P		C	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	140.6	CS2			0	C	C	C	70	230	C		C		1	1	1
FAGA152	136.2	140.7	CS2	Z		C	C	C	C	0	C	C		C		1	1	1
FAGA152	0.0	146.3	CS2			0	C	C	C	66	230	C		C		1	1	1
FAGA152	140.7	146.7	CS2	D		0	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	154.6	PS2			0	C	C	C	69	230	C		C		1	1	1
FAGA152	0.0	160.9	PS2			0	C	C	C	81	230	C		C		1	1	1
FAGA152	146.7	164.3	PS2	P		0	C	C	C	0	C	C		C		1	1	1
FAGA152	0.0	166.5	CS2			C	C	C	C	71	230	C		C		1	1	1
FAGA152	164.3	171.6	CS2	Z		0	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	172.1	PS2			C	C	C	C	76	230	C		C		1	1	1
FAGA152	0.0	178.5	PS2			0	C	C	C	78	230	C		C		1	1	1
FAGA152	0.0	184.5	PS2			0	C	C	C	78	230	C		C		1	1	1
FAGA152	171.6	186.3	PS2	P		0	C	C	C	0	C	C		C		1	1	1
FAGA152	186.3	188.1	CS2	S		C	C	C	C	0	0	C		C		1	1	1
FAGA152	0.0	189.1	PS2			0	C	C	C	69	230	C		C		1	1	1
FAGA152	188.1	189.2	PS2	P		0	C	C	C	0	C	C		C		1	1	1

DDH: FAGA152 UTM-N: 904,765.0 UTM-E: 592,505.2 UTM-ELEV: 1,277.3 TOTAL DEPTH: 209.2 SECTION: W 64  
 RFE: S2 RFE DIR: 230 FLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SOC	PROCESS
FAGA152	0.0	193.2	CS2		0	0	0	0	80	230	C		1	1	1
FAGA152	189.2	194.6	CS2	M	0	0	0	0	0	0	C		1	1	1
FAGA152	194.6	197.6	PS2	P	0	0	0	0	0	0	C		1	1	1
FAGA152	0.0	198.2	CS2		0	0	0	0	78	230	C		1	1	1
FAGA152	197.6	200.6	CS2	M	0	0	0	0	0	0	C		1	1	1
FAGA152	0.0	206.0	PS2		0	0	0	0	58	230	C		1	1	1
FAGA152	200.6	209.2	PS2	F	0	0	0	0	0	0	C		1	1	1

DDH: FAGA152 UTM-N: 904,705.0 UTM-E: 592,505.2 UTM-ELEV: 1,277.3 TOTAL DEPTH: 209.2 SECTION: W 64  
 RFE: S2 RFE DIF: 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			
FAGA152	43.5	43.6	G				0	0	C	C	0	0	1
FAGA152	44.5	46.1	G				0	0	C	C	0	0	1
FAGA152	46.4	47.6	BP		2		C	0	C	C	0	0	1
FAGA152	47.8	49.3	B				C	0	C	C	0	0	1
FAGA152	50.7	50.9	G				0	0	C	C	0	0	1
FAGA152	50.9	51.6	S				0	0	C	C	0	0	1
FAGA152	51.6	52.7	G				0	0	C	C	0	0	1
FAGA152	67.6	67.9	G				C	0	C	C	0	0	1
FAGA152	68.6	73.8	G				0	0	C	C	0	0	1
FAGA152	70.8	77.2	G				0	0	C	C	0	0	1
FAGA152	78.6	79.8	G				0	0	C	C	0	0	1
FAGA152	84.7	85.2	G				C	0	C	C	0	0	1
FAGA152	95.8	95.9	X				0	0	C	C	0	0	1
FAGA152	121.0	121.4	D?				0	0	C	C	0	0	1
FAGA152	121.8	121.9	D?				0	0	C	C	0	0	1
FAGA152	133.7	134.1	G				0	0	C	C	0	0	1
FAGA152	144.2	144.5	G				C	0	C	C	0	0	1
FAGA152	146.7	148.4	D				C	0	C	C	0	0	1
FAGA152	151.7	152.3	S				C	0	C	C	0	0	1
FAGA152	152.5	152.8	S				0	0	C	C	0	0	1
FAGA152	153.3	154.0	S				C	0	C	C	0	0	1
FAGA152	158.5	160.3	PB				0	0	C	C	0	0	1
FAGA152	182.7	183.0	S				0	0	C	C	0	0	1
FAGA152	199.0	199.2	S				0	0	C	C	0	0	1
FAGA152	199.4	199.6	X				C	0	C	C	0	0	1

LITAKSA GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 30

DDH: FAGA152 UTM-N: 904,765.0 UTM-E: 592,505.2 UTM-ELEV: 1,277.3 TOTAL DEPTH: 209.2 SECTION: W 64  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA152	1	2
FAGA152	2	2
FAGA152	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 76-A152

Fabric Orientation Diagram:

Project: GRUM RELOG

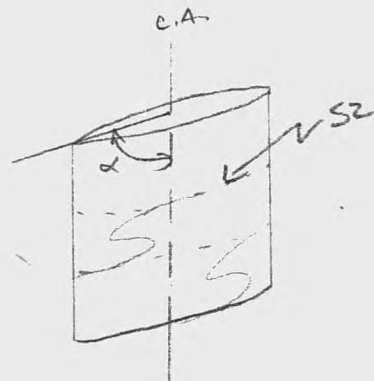
Location: VANGORDA PLATEAU

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

UTM  
Terr. Plane  
Co-ords.: 6,904,765.03 N

1979 HIW  
Orthophoto Survey  
592,505.17 E

Grid  
Co-ords.: 64W | 3N



All symmetry determinations looking

NW with SE dipping

SW with dip azimuth 230.

Elevation: 1277.31

Total Depth: 209.2 m.

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

RE  
Logged by: PH Date(s) Logged: AUG. 28-30, 1980

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

BQ 0 EOH

Started: SEPT. 5 / 76 Completed: SEPT. 8 / 76



Code	From	To	Unit	Code	Description	
1	10	14	16	20	22 23 25 27	
L	100	1387	11			oB
L	1387	1445	12	4L10		minor py; gouge 43.5-43.6m;
L	1445	1461	13	4L10		gouge (fault);
L	1461	1507	14	4A3		46.4-47.6m 4L1 broken core w/ poor recovery (0.2m); 3% PbZn; broken core 47.8-49.3m;
L	1507	1516	15	5B11		broken core; gouge 50.7-50.9m; minor py; non-calcareous;
L	1516	1527	16	5B16		gouge (fault);
L	1527	1635	17	5B11		slightly calcareous; numerous atitic veins & lenses, minor py, more siliceous towards EOH; minor bt;
L	1635	1648	18	4L1		w/ chl & bt <sup>(pale brown bands)</sup> ; bleached calc. 504 637-63.8m;
L	1648	1656	19	5B11		w/ dk. brown bands (due to incomplete bleaching?) <sup>minor</sup>
L	1656	1665	10	4L1		as unit 8; non-calc.
L	1665	1679	11	4L1		bleached tan calcareous 504 w/ manposite 66.5- 66.6m; 67.4-67.6m; gouge 67.6-67.9m;
L	1679	1686	12	5B11		non-calc. (5B16); as unit 9;
L	1686	1706	13	5B11		gouge;
L	1706	1755	14	4L1		gouge 70.6-73.8m; calcareous (4L15);
L	1755	1772	15	5B11		gouge 76.8-77.2m; as unit 9;
L	1772	1786	16	4L1		as unit 8;
L	1786	1798	17	4L1		gouge (fault)
L	1798	1907	18	4L1		as unit 8; gouge 84.7-85.2m; minor py bands;
L	1907	1933	19	5B16		minor atz-ankite lenses; few py stringers;
L	1933	11018	20	4A3		bleached calc. 504 w/ manposite 93.3-93.4; 93.5-93.6m; brecciated w/ atz-py clasts (subrounded) of varying size 95.8-95.9m; 4L1 w/ py 95.9-96.3m; 504 w/ chl & carbonate layers 96.3-96.4m;
L	11018	11043	21	5A9		highly siliceous iron-calcareous;
L	11043	11320	22	4A3		abundant py 106.8-107.8 w/ lesser graphite (4C0); brecciated 121.0-121.4, 121.8-121.9m; 5A9 w/ carbonate lenses in crack fillings 131.3-131.7m;
L	11320	11330	23	5D14		bleached tan; calcareous w/ minor elongated chl blebs; bleached buff w/ manposite 132.2-132.4m; → 50 not? JM
L	11330	11341	24	4L1		OQO 133.0-133.5m; gouge 133.7-134.1m;
L	11341	11351	25	5B6		siliceous (5B61);

Lithologic Log

Code	From	To	Unit	Code	Description
1	10	14 16	20 22 23	25 27	
L	11351	11362	216	5D11	bleached tan w/ alternating chl & calc. layers; siliceous; OQD w/ py bands 136.1-136.2m;
L	11362	11467	227	41A3	slightly calcareous; orange 144.2-144.5 m; 3% PbZn 146.3-146.7 m;
L	11467	11484	218	4D14	5% PbZn (mainly sph); brecciated w/ py-sph-qtz clasts in matrix of buff carbonate + sulphides; carbonate content decr. towards EOH;
L	11484	11509	229	4A14	5% PbZn
L	11509	11569	30	5B11	sheared 151.7-152.3, 152.5-152.8m, 153.3-154.0m; slightly calcareous;
L	11569	11585	31	4L1	minn py w/ lesser PbZn;
L	11585	11687	32	5B10	poor recovery, broken ore 158.5-160.3m; variably siliceous; variable muscovite content (occurs as interbands w/ dk grey phyllite); generally colour lighter & more siliceous towards EOH;
L	11687	11695	33	5A11	slightly calc;
L	11695	11753	34	5B11	very slightly calc., interbands of 4L incr. towards EOH;
L	11753	11790	35	4L1	4L74182 175.4-176.2m (5% PbZn); 178.0-178.3m. (w/ qtz, sericite clasts in sulph. matrix); narrow minn sulph. bands;
L	11790	11803	316	4L7	minn mt; 5% PbZn; siliceous;
L	11803	11808	317	4L10	
L	11808	11853	38	5A19	mm-calc.; sheared 182.7-183.0m; siliceous;
L	11853	11881	39	4A3	minn 4L1 bands; <sup>ew</sup> calcareous bleached buff 5D41 bands;
L	11881	11955	40	5B2	siliceous; slightly calcareous; numerous qtz-carbonate py lenses; pink qtz (?) at 191.0m;
L	11955	11968	41	4L1	minn py stringers; slightly calcareous;
L	11968	11976	42	5D4	bleached buff w/ muscovite 5D41;
L	11976	2006	43	5A1	sheared 199.0-199.2m; minn py bands & 4L1 interbands; calcareous; brecciated 199.4-199.6m w/ pyritic clasts in qtz-calc. matrix;
L	2006	2012	244	4E18	<sup>calcareous</sup> 4E4 200.6-200.8m (8% PbZn);
L	2012	2046	45	4C18	minn mt, avg < 4% PbZn; slightly calcareous; 4G4 201.4-201.6m;



Code	From		To		Feature	Sym	S <sub>1</sub>		S <sub>2</sub>		Description
	10	14 16	20	22 24 26 28			Dip	Direct.	Dip	Direct.	
S			406		PSZ			415	Z30		1/3 massive sulph; 1/3 gouge;
S			478		PSZ			70	Z30		
S			527		FZR						P region 52.7-60.0m; main S sym.
S			530		PSZ			68	Z30		
S			592		PSZ			70	Z30		
S			600		FZP						S sym. 60.0-64.9m; D region 63.8-64.5m;
S			642		CSZ			74	Z30		
S			649		FZE						Z sym. 64.9-67.4m; main S sym;
S			674		CSZ			67	Z30		
S			674		FZZ						R region 67.4-75.5m; 70% gouge;
S			740		PSZ			47	Z30		
S			755		FZR						S sym. 75.5-87.7m; main Z sym
S			811		CSZ			46	Z30		
S			872		CSZ			43	Z30		
S			877		FZS						D region 87.7-88.5m;
S			885		FZD						M region 88.5-90.7m; Z/S=2/1
S			907		FZM						R region 90.7-97.2m;
S			927		PSZ			67	Z30		
S			971		PSZ			61	Z30		
S			972		FZR						Z sym. 97.2-102.9m;
S			1027		CSZ			54	Z30		
S			1029		FZZ						D region 102.9-105.6m; main S sym;
S			1054		CSZ			68	Z30		
S			1056		FZD						M region 105.6-108.7m; S/Z=2/1
S			1087		FZM						D region 108.7-124.4m;
S			1111		CSZ			64	Z30		
S			1191		CSZ			60	Z30		
S			1244		FZD						S sym. 124.4-125.9m;
S			1259		FZE						Z sym. 125.9-127.4m;
S			1270		CSZ			68	Z30		
S			1274		FZB						S sym. 127.4-132.0m;
S			1307		CSZ			58	Z30		
S			1318		CSZ			68	Z30		
S			1320		FZS						R region 132.0-136.2m;



DDH 76-A152  
2 8Cyprus Anvil Mining Corp.  
Geochemical Log (Sampler's Copy)Page 8 of 9  
Logged By: FN  
Sampled By: C.A.

Code	From	To	Sample No.	Description					
	10	14	16	20	22	27	LENGTH	REC.	UNIT
P	933	948	15359	1.5	1.4	4A3			
P	948	963	15360	1.5	1.3	4A3			
P	963	978	15361	1.5	1.5	4A3			
P	978	993	15362	1.5	1.4	4A3			
P	993	1008	15363	1.5	1.5	4A3			
P	1008	1018	15364	1.0	1.0	4A3			
P	1018	1043	15365	2.0	1.4	4A3			
P	11083	11103	15367	2.0	2.0	4A3			
P	11103	11123	15368	2.0	2.0	4A3			
P	11123	11143	15369	2.0	1.7	4A3			
P	11143	11163	15370	2.0	1.6	4A3			
P	11163	11183	15371	2.0	2.0	4A3			
P	11183	11203	15372	2.0	2.0	4A3			
P	11203	11223	15373	2.0	2.0	4A3			
P	11223	11243	15374	2.0	1.9	4A3			
P	11243	11263	15375	2.0	1.9	4A3			
P	11263	11283	15376	2.0	2.0	4A3			
P	11283	11303	15377	2.0	1.0	4A3			
P	11303	11320	15378	1.7	1.7	4A3			
P	113162	11382	15379	2.0	2.0	4A3			
P	11382	11402	15380	2.0	1.8	4A3			
P	11402	11422	15381	2.0	2.0	4A3			
P	11422	11442	15382	2.0	1.7	4A3			
P	11445	11467	15383	2.2	2.0	4A3			
P	11467	11484	15384	1.7	1.5	4D4			
P	11484	11509	15385	2.5	2.3	4A4			
P	11753	11773	15386	2.0	1.9	4U			
P	11773	11790	15387	1.7	1.4	4U			
P	11790	11803	15388	1.3	1.1	4L7			
P	11853	11868	15389	1.5	1.5	4A3			
P	11868	11881	15390	1.3	1.0	4A3			
P	2006	2026	15391	2.0	1.6	4EB   4CB			
P	2026	2046	15392	2.0	2.0	4CB			









LOGGED BY

D.D.H. NR

A 152

PAGE 3

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		108-106.8. Note F <sub>1</sub> laminae s.v. 106-111.0 poss. fold nose region. Note also refolded F <sub>1</sub> fold at 108.7. Note quartz-sericite-mariposite zone 93.3-94.0. Section not worthy of assay : Representative section only. CA: 96=F <sub>2</sub> =50, 100=F <sub>2</sub> 75, 104=F <sub>2</sub> 60, F <sub>1</sub> sub-v folded, 108=F <sub>2</sub> =45, 110=F <sub>1</sub> sub-v, F <sub>2</sub> =55; 112=F <sub>1</sub> sub-v, F <sub>2</sub> =65, 116=F <sub>1</sub> 70, F <sub>2</sub> 68 opp. dip; 120=F <sub>2</sub> 70; 124=F <sub>2</sub> =75, F <sub>1</sub> sub-v, 128=F <sub>1</sub> sub-v F <sub>2</sub> =65; 132=F <sub>2</sub> =55														
132.0	136.2	WHITE BLEACHED QUARTZ-SERICITE MARIPOSITE PHYLLITE (Sbm) Unit has abundant green mariposite, with white qu-sericite. Note gougy zone. 133.5-134: Minor Pyrite. CA: 134=56F <sub>2</sub>	Excellent													
136.2	146.3	STRIPED QUARTZ-GRAPHITIC SULPHIDES. Pg Unit not as quartzitic as one above. Mineralization 2-5% pyrite. Virtually no PbZn. Bx-gouge 144.2-144.7. CA: 138=F <sub>2</sub> =65, 142=F <sub>2</sub> =70, F <sub>1</sub> sub-v fold nose region. 146=F <sub>2</sub> =65. S PZ	Excellent													
146.3	150-1	MASSIVE BX-SULPHIDE AND BANDED QUARTZ-GRAPHITIC PHYLLITE-SULPHIDES. Pg														
		70 8	1.5	4598A	146.3	147.8	1.5	1.80	2.72	30.17		4.52	2.70	4.08	45.26	
		65 8	1.5	A4959	147.8	149.3	1.5	2.15	4.09	35.31		6.24	3.23	6.14	52.97	



LOGGED BY

D.D.H. N<sup>o</sup>

A 152

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Interval		DESCRIPTION	Recovery	Sample N <sup>o</sup>	Interval		Sample Length	Assay					Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
180.7	195.5	BLACK, STRIPPED QUARTZ-GRAPHITIC PHYLLITE (G) with minor (1-2%) Sulphides between 165.5-188 : Minor Py, sphalerite. F <sub>2</sub> foliation is dominant; Minor thin quartz-veins and buff-ankerite. CA: 182=F <sub>2</sub> 67; 186=F <sub>2</sub> 76; 190=F <sub>1</sub> 71; 194=F <sub>2</sub> =55.																
195.5	197.6	WHITE BLEACHED QUARTZ-SERICITE PHYLLITE (Sb) Minor Py, with mariposite. CA: 196=F <sub>2</sub> =70.																
197.6	200.6	BLACK QUARTZ-GRAPHITIC PHYLLITE G. Striped; quartz-veined; minor pyrite. CA: 198=F <sub>2</sub> 70.																
200.6	206.0	MASSIVE BANDED PYRITIC SULPHIDE MB <sub>b</sub> S Pz 75 6 Sulphide: 50-70% : Pyrite, red sphalerite; 60 4 black magnetite; Barite from 204.6 to end; minor 65 4-6 cpy. Grade varies 6-12% 70 12 CA: 202=70, 204=70	1.5	A4965	200.6	202.1	1.5	1.83	1.56	25.37								
			1.0	A4966	202.1	203.1	1.0	0.25	0.24	9.94			0.49	PbZn				
			1.0	A4967	203.1	204.1	1.0	0.30	0.35	10.97			0.05	0.05	1.99			
			1.9	A4968	204.1	206.0	1.9	4.10	4.95	60.34			0.30	0.35	10.97			
				Wt. Av	202.9	206.0	3.1	2.63	3.16	41.2			7.79	9.41	114.65			
				Wt. Av	202.1	204.1	2.0	0.57	PbZn				8.14	9.81	127.61			



FAGAI62

GRUM DATABASE - QUIZ REPORT

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84/1C/31

DCH

FAGA162

SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
	FROM	TO															
6664	62.3	63.2	.9	100	4EL	3.81	.27	1.09	1.10	20.0	.21	10.90	13.20		2.19	24.10	.50
6665	63.2	65.0	1.8	89	4EL	3.86	.16	2.60	2.60	33.0	.69	6.51	21.70		5.20	28.21	.50
6666	65.0	66.4	1.4	100	4E0	4.84	.10	3.40	1.60	45.0	1.51	4.66	32.38		5.00	37.04	.32
6667	66.4	67.5	1.1	91	4CL9		.24	.27	.49	19.0					.76		.64
666E	67.5	69.2	1.7	100	4C35		.11	.16	.25	8.0					.41		.61
666E	69.2	70.9	1.7	100	4C35		.10	.08	.21	9.0					.29		.72
666E	69.2	70.9	1.7	100	4C35		.10	.08	.22	20.0					.32		.69
667C	70.9	72.0	1.1	100	4C3		.30	.10	.21	14.0					.43		.67
6671	72.0	74.5	2.5	96	4C35		.19	.11	.29	11.0					.44		.59
6672	74.5	76.9	2.4	92	4C35		.13	.14	.26	11.0					3.17	36.89	.34
6673	76.9	78.0	1.1	100	4C+L	4.42	.13	.18	.26	11.0					.43	20.01	.60
6674	78.0	80.5	2.5	88	4E#	3.35	.12	2.09	1.08	51.0	.96	5.29	31.60		2.16	23.26	.78
6675	80.5	82.0	1.5	100	4AC3	3.70	.17	.17	.26	12.0	.69	2.01	18.00		2.16	23.26	.78
6676	82.0	83.5	1.5	100	4C+L	3.70	.21	.47	1.69	18.0	.55	4.46	18.80		14.30	28.61	.55
6677	83.5	84.8	1.3	92	4GE+4	4.56	.21	6.50	7.80	100.0	1.44	3.21	25.40				

84/10/31

## GRUM DATABASE - QUIZ REPORT

PAGE 8

DGH	SAMPLE	RCCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %					OTHER	*	CPY	NORMATIVE MINERALS - VOLUME %					OTHER
				GA	SP	PO	PY	BAR				GA	SP	PO	PY	BAR	
	6664	4EL	.78	1.26	1.64	17.14	28.39		50.79	*	.65	.59	1.43	13.01	19.82		64.50
	6665	4EL	.46	3.00	3.88	10.24	46.67		35.75	*	.42	1.54	3.72	8.55	35.84		49.93
	6666	4E0	.29	3.93	2.39	7.33	69.63		16.44	*	.30	2.31	2.63	7.02	61.39		26.33
	6667	4CL9	.69	.31	.73				98.26	*							
	6668	4C35	.32	.18	.37				99.12	*							
	6669	4C35	.29	.09	.31				99.31	*							
	6670	4C3	.87	.12	.33				98.69	*							
	6671	4C35	.55	.13	.31				99.01	*							
	6672	4C35	.38	.16	.43				99.03	*							
	6673	4C=L	.38	.21	.39				99.03	*							
	6674	4E#	.35	2.41	1.61	8.32	67.96		19.35	*	.36	1.38	1.73	7.78	58.47		30.28
	6675	4AC3	.49	.20	.39	3.16	38.71		57.05	*	.40	.09	.33	2.34	26.32		70.53
	6676	4C=L	.61	.54	2.52	7.01	40.43		48.89	*	.51	.24	2.23	5.40	28.64		62.96
	6677	4GE*4	.61	7.51	11.63	5.05	54.62		20.59	*	.61	4.25	12.34	4.66	46.37		31.77

13FEB84 GRUM

LIST ALL DRILL HOLE DATA (DHO20)

PAGE: 1

DRILL HOLE : FAGA162  
NORTHING : 904,589.5  
EASTING : 592,426.9  
ELEVATION : 1,263.7  
TOTAL DEPTH : 130.1  
SECTION : W 62  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CORE-SAMPLES: 14  
NOS DOWN-H-SURVEYS: 2  
NOS DOWN-H-LITHOLOGY: 26  
NOS DOWN-H-STRUCTURE: 16  
NOS DOWN-H-FAULTS: 33  
NOS DOWN-H-SFLINES: 2  
NOS COMPOSITES: 0

13FEB84 GRUM

ORE SAMPLES & ASSAYS (DHC20)

PAGE: 2

DDH: FAGA162 UTM-N: 904,589.5 UTM-E: 592,426.9 UTM-ELEV: 1,263.7 TOTAL DEPTH: 130.1 SECTION: W 62  
 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 %	S.G. W.R.
62.3	63.2	06664	.9	.9	4EL	3.81	.27	1.09	1.10	20.00		.21	10	13	24						
63.2	65.0	06665	1.8	1.6	4EL	3.86	.16	2.60	2.60	33.00		.69	6	21	28						
65.0	66.4	06666	1.4	1.4	4E0	4.84	.10	3.40	1.60	45.00	43.00	1.51	4	32	37						
66.4	67.5	06667	1.1	1.0	4CL9		.24	.27	.49	19.00											
67.5	69.2	06668	1.7	1.7	4C35		.11	.16	.25	8.00											
69.2	70.9	06669	1.7	1.7	4C35		.10	.08	.21	9.00											
70.9	72.0	06670	1.1	1.1	4C3		.30	.10	.22	20.00											
72.0	74.5	06671	2.5	2.4	4C35		.19	.11	.21	14.00											
74.5	76.9	06672	2.4	2.2	4C35		.13	.14	.29	11.00											
76.9	78.0	06673	1.1	1.1	4C*L		.13	.18	.26	11.00											
78.0	80.5	06674	2.5	2.2	4E#	4.42	.12	2.09	1.08	51.00		.96	5	31	36						
80.5	82.0	06675	1.5	1.5	4AC3	3.35	.17	.17	.26	12.00		.69	2	18	20						
82.0	83.5	06676	1.5	1.5	4C*L	3.70	.21	.47	1.69	18.00		.55	4	18	23						
83.5	84.8	06677	1.3	1.2	4GE*	4.56	.21	6.50	7.80	100.00		1.44	3	25	28						

WEIGHTED AVERAGE

62.3 84.8 22.5 21.5 1.98 .16 1.18 1.18 26.14 2.67 .43 2 11 14

13FEB84 GRUM

DOWN-HOLE SURVEYS (DH02C)

PAGE: 3

DDH: FAGA162 UTM-N: 904,589.5 UTM-E: 592,426.9 UTM-ELEV: 1,263.7 TOTAL DEPTH: 130.1 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
95.100	173.000	41.000

13FEB84 GRUM

## DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 4

DDH: FAGA162 UTM-N: 904,589.5 UTM-E: 592,426.9 UTM-ELEV: 1,263.7 TOTAL DEPTH: 130.1 SECTION: W 62  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
15.7	OC01	#		0.5-	1
23.4	OG02	5A0		0.5-	1
42.1	OC03	5B0	(5D4*)	0.5-	1
47.9	OC04	5B20		0.5-	1
58.5	0005	5AC1		0.5-	1
59.5	OC06	5A0		0.5-	1
61.0	OCC7	5B2a		0.5-	1
62.3	0008	5B20	(5B410)	0.5-	1
63.2	OCC9	4E0	(5D4*) 60:40	0.5-	1
65.0	0Q10	4E86	? (4L) 80:20 [4KL861]	0.5-	1
66.4	OC11	4EC	BXA (5D4*)	0.5-	1
67.5	OC12	4C9	(5D4* [4L5]) 70:30	0.5-	1
70.9	0013	4C35	[4C0 (4A3) 60:40]	0.5-	1
72.0	0014	4C30	[4C0 (4E0) 70:30]	0.5-	1
76.9	0015	4C35	[4C0 (4A3) 50:50]	0.5-	1
78.0	0016	4CL5	9 [4C* (4L5 [5D4*]) 80:20]	0.5-	1
80.5	OC17	4E#	BXA (4L0) MINOR	0.5-	1
82.0	OC18	4C35	[4A3 (4C0) 6C:40]	0.5-	1
83.5	0019	4CL*	[4C* (4L) 80:20]	0.5-	1
84.8	OC20	4GE4	& POROUS [4G* (4E4) 70:30]	0.5-	1
86.9	OC21	5B40	61	0.5-	1
92.9	OC22	5B0		0.5-	1
94.7	0023	5D0	(5B80) 70:30	0.5-	1
122.0	0024	5B80		0.5-	1
124.5	0025	5D0		0.5-	1
130.1	0026	5B80		0.5-	1

13FEB84 GRUM

## DOWN-HOLE STRUCTURE (DHO20)

PAGE: 5

DDH: FAGA162 UTM-N: 904,589.5 UTM-E: 592,426.9 UTM-ELEV: 1,263.7 TOTAL DEPTH: 130.1 SECTION: W 62  
 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	
FAGA162	0.0	16.9	CS2		0	0	0	57	230	C	1	1	1
FAGA162	0.0	22.9	CS2		0	0	0	46	230	C	1	1	1
FAGA162	0.0	30.2	CS2		0	0	0	43	230	C	1	1	1
FAGA162	0.0	41.7	PS2	P	0	0	0	65	230	C	1	1	1
FAGA162	0.0	47.9	PS2	P	0	0	0	61	230	C	1	1	1
FAGA162	0.0	55.4	PS2	P	0	0	0	55	230	C	1	1	1
FAGA162	0.0	64.5	PS2	P	0	0	0	52	230	C	1	1	1
FAGA162	0.0	71.8	PS2	P	0	0	0	44	230	C	1	1	1
FAGA162	0.0	79.3	CS2		0	0	0	42	230	C	1	1	1
FAGA162	0.0	87.9	CS2		0	0	0	71	230	C	1	1	1
FAGA162	0.0	96.1	CS2		0	0	0	60	230	C	1	1	1
FAGA162	0.0	101.5	CS2		0	0	0	78	230	C	1	1	1
FAGA162	0.0	107.8	CS2		0	0	0	50	230	C	1	1	1
FAGA162	0.0	114.6	CS2		0	0	0	68	230	C	1	1	1
FAGA162	0.0	122.1	PS2	P	0	0	0	68	230	C	1	1	1
FAGA162	0.0	127.2	CS2		0	0	0	70	230	C	1	1	1

DDH: FAGA162 UTM-N: 904,589.5 UTM-E: 592,426.9 UTM-ELEV: 1,263.7 TOTAL DEPTH: 130.1 SECTION: W 62  
 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
FAGA162	0.0	16.4	1S				0	0	0	1
FAGA162	0.0	19.2	1S				0	0	0	1
FAGA162	0.0	23.0	1S				0	0	0	1
FAGA162	27.3	27.4	G				0	C	0	1
FAGA162	0.0	27.6	G				0	C	0	1
FAGA162	0.0	27.8	G				C	C	0	1
FAGA162	30.9	31.0	G				0	0	0	1
FAGA162	33.7	34.1	G				0	0	0	1
FAGA162	35.7	37.5	N				C	0	0	1
FAGA162	38.3	38.4	G				0	0	0	1
FAGA162	39.3	40.1	G				0	0	0	1
FAGA162	56.9	57.0	1G				0	G	0	1
FAGA162	58.5	59.5	G				0	0	0	1
FAGA162	60.7	61.0	BS				0	C	0	1
FAGA162	62.1	62.3	X				0	C	0	1
FAGA162	62.3	62.5	D?				0	0	0	1
FAGA162	62.8	63.0	G				0	0	0	1
FAGA162	63.1	63.2	G				0	0	0	1
FAGA162	65.2	65.8	D?				0	0	0	1
FAGA162	72.0	76.9	R				0	0	0	1
FAGA162	0.0	78.2	1D?				0	C	0	1
FAGA162	82.6	82.9	X?				0	C	0	1
FAGA162	84.8	85.2	XG				0	C	0	1
FAGA162	102.6	102.7	G				0	C	0	1
FAGA162	0.0	107.1	G				0	0	0	1
FAGA162	0.0	109.7	G				0	C	0	1
FAGA162	0.0	111.9	G				0	0	0	1
FAGA162	0.0	113.2	G				0	0	0	1
FAGA162	0.0	118.0	G				0	0	0	1
FAGA162	0.0	118.7	G				0	C	0	1
FAGA162	121.4	121.5	G				0	0	0	1
FAGA162	0.0	128.2	G				0	0	0	1
FAGA162	0.0	128.3	G				0	C	0	1

13FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 7

DDH: FAGA162 UTM-N: 904,589.5 UTM-E: 592,426.9 UTM-ELEV: 1,263.7 TOTAL DEPTH: 130.1 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA162	1	2
FAGA162	2	1

\*\*THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 18:34:45

DIAMOND DRILL CORE LOG

Date: JUNE 11, 1981

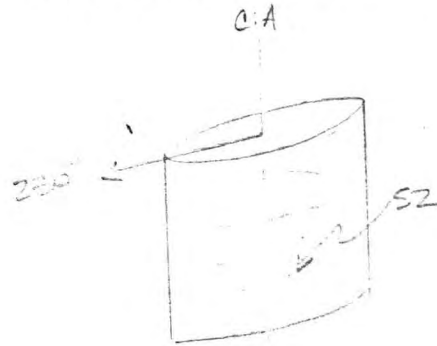
Hole Number: FAG A 162

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLATEAU

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



UTM  
Elev. Plane  
Co-ords.: 4589.5 N

512.426.9 E

1979  
New Orthophoto  
Survey

Grid  
Co-ords: 100/35

All symmetry determinations looking

Elevation: 1233.7

SW with S2 dipping

Total Depth: 130.1 m.

SW with dip azimuth 330.

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

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

RL  
Logged by: DN

Date(s) Logged: JUNE 10, 11 / 81

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

Size	CORE From	To	Collar Cased and Capped: _____
<u>Casing</u>	<u>0</u>	<u>14.6 m.</u>	
<u>BC</u>	<u>14.6</u>	<u>130.1 m</u>	

Hole Cemented: yes

Steel down hole: no

Started: Sept. 21, 1976 Completed: SEPT 24, 1976



Lithologic Log

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	100	1157				0101		o/b. turned		
L	1157	234				0102	51A3	variably siliceous; minor (<2%) py stringers; calcareous bands approx. w/ narrow at base; minor stringers at 16.4, 19.2, & 23.0m		
L	234	421				0103	5B31	no py stringers 35.7-37.5m locally minor py stringers bands 27.3-27.4 & 27.6-27.8 27.9-31.0, 33.7-34.1, 38.3-38.4, 39.3-40.1m; w/ calc. at 42.5 27.8-27.9m		
L	421	479				0104	5B23	calcareous w/ locally heavily siliceous		
L	479	585				0105	51A31	heavily siliceous; variable calcareous <2% py stringers; py bands <5mm width minor zone 46.9-54.0m		
L	585	610				0106	51A1	fault zone		
L	610	610				0107	51B21*	2% siliceous; locally & sheared zone 60.7-61.0m		
L	610	623				0108	51B21C	5B2 siliceous w/ 5B1 w/ calc. alteration oxidant (almost 5B4); 5% py, calc 62.1-62.5m		
L	623	632				0109	41E1	2% siliceous; locally & sheared zone 62.1-62.5m		
L	632	640				0110	41K45	61 siliceous; locally & sheared zone 2% siliceous; locally & sheared zone		
L	640	664				0111	41E1	61 siliceous; locally & sheared zone 2% siliceous; locally & sheared zone		
L	664	675				0112	41L5	439/415 = 85/30		
L	675	700				0113	41E1	439/415 = 85/30		
L	700	720				0114	41E1C	<1% siliceous; locally & sheared zone		
L	720	769				0115	41A3	400/413 = 50/50; locally & sheared zone 76.1-76.4m; locally & sheared zone 76.1-76.5m		
L	769	770				0116	41L45	400/413 = 50/50; locally & sheared zone 76.1-76.5m		
L	770	770				0117	41E*	400/413 = 50/50; locally & sheared zone 76.1-76.5m		

Lithologic Log

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
												79.3-79.5m
L	805		820						0118	4A03		4A3/4C0 = 60/100; locally some minor inclusions (microscopic)
L	820		835						0119	4C04*		inkentite-bearing; 82.6-82.9m 4B/4C0 = 50/20; locally
L	835		842						0200	4A04		inkentite-bearing; 83.5-83.7m 4B/4C0 = 70/30; 1 PbZn; local minor; minor suboxide bands
L	849		869						0201	5B04*		with variable bands (< 3cm wide) of inkentite-bearing; 84.9-85.2m 4B/4C0 = 50/20; locally
L	869		909						0202	5B03		with minor inkentite-bearing; 86.9-87.7m 4B/4C0 = 50/20; locally
L	909		947						0203	5B03		87.0-93.7m 4B/4C0 = 70/30; 5B03
L	947		1220						0204	4A04*		83.7-122.0m 4B/4C0 = 50/20; locally
L	1220		1245						0205	5B01		122.0-124.5m 4B/4C0 = 50/20; locally
L	1245		1291						0206	5B01		124.5-129.1m 4B/4C0 = 50/20; locally

Structural Log

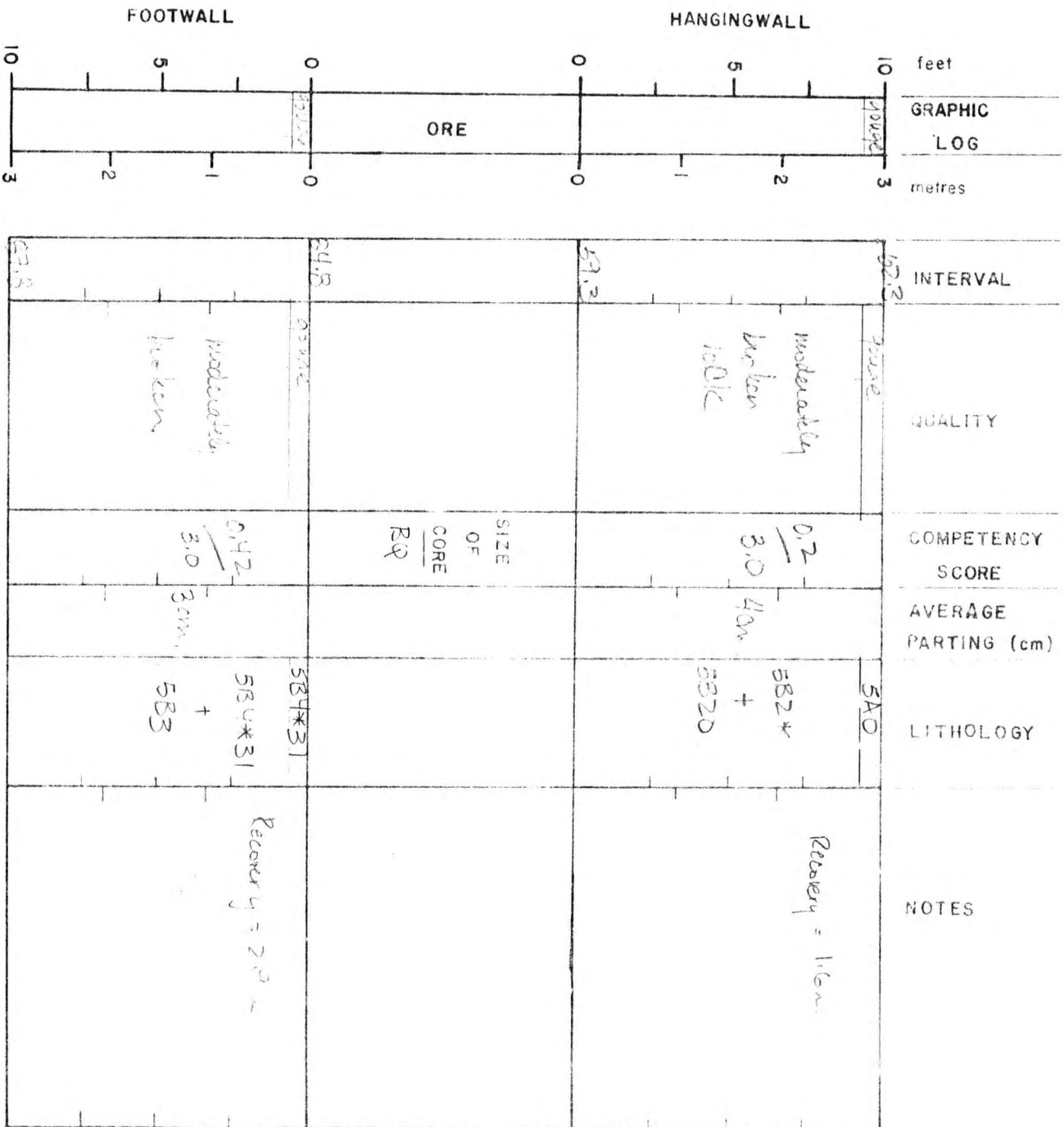
Code	From				To				Feature	E S <sub>0</sub>	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				16	9			CSZ							57	230	
S				22	9			CSZ							46		
S				30	2			CSZ							43		
S				41	7			PSZ							65		
S				47	9			CNT							61		
S				55	4			PSZ							55		
																	gauge 58.5-59.5; attitude
																	of cuts. indeterminate
S				64	5			CPB							52		Core split 62.3-67.9m,
S				71	8			CPB							44		
S				79	3			CSZ							42		Core split 75.3-84.8m,
S				87	9			CSZ							71		
S				96	1			CSZ							60		
S				101	5			CSZ							73		
S				107	8			CSZ							50		
S				111	46			CSZ							63		
S				122	1			CNT							68		
S				127	2			CSZ							70		
								EOH									

ASSAY LOG (SAMPLER'S COPY)

Logged by                       
 Date                      Sampled by                     

CODE	FROM				TO				SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION
	1	10	14	16	20	22	26	28		30	32	34	36			
705B	P	1623	1632	1632	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	4E/4L = 60/40
706B	P	1632	1650	1650	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	4K/4F 61% 43% D <sub>20</sub> 41%
707B	P	1650	1664	1664	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	5% 4L 43% D <sub>20</sub>
708B	P	1664	1675	1675	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	409/4L5 = 70/30
	P	1675	1692	1692	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	400/4A3 = 60/40
	P	1692	1709	1709	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	430/4A3 = 60/40
	P	1709	1720	1720	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	41% 4A3 = 70/40
	P	1720	1745	1745	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	430/4A3 = 50/30
709B	P	1745	1769	1769	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	"
710B	P	1769	1780	1780	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	40x/4L5 = 80/20
711B	P	1780	1805	1805	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	4E*
712B	P	1805	1820	1820	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	4A3/4C0 = 60/40
713B	P	1820	1835	1835	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	43% D <sub>20</sub> 40x/4L = 80/40
714B	P	1835	1847	1847	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	43% D <sub>20</sub> 40x/4L = 80/40

GEOTECHNICAL LOG



DDH FAGA 162  
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	22 24 26			28	32 34	38	40	44		
F			164	15									
F			192	15									
F			230	15									
F	357		375	N									
F	273		274	G									
F			276	G									
F			278	G									
F	309		310	G									
F	337		341	G									
F	383		384	G									
F	393		401	G									
F	569		570	1G									
F	585		595	G									
F	607		610	0BS									
G	621		623	X									
F	623		625	D.P.									
F	628		630	G									
F	631		632	G									
F	652		658	D.P.									
F	720		769	R									
F			782	1D.P.									
F	826		829	X.P.									
F	848		852	XG									
F	1026		1027	G									
F			1071	G									
F			1097	G									
F			1119	G									
F			1132	G									
F			1180	G									
F			1187	G									
F	1214		1215	5G									
F			1282	G									
F			1283	G									

Plotted & checked

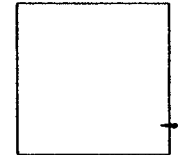
# DIAMOND DRILL RECORD

LOGGED BY D. L. Shaw

D.D.H. No 76-A162 PAGE 1 of 5

PROPERTY GRUM JOINT VENTURE, Y.T.  
CO-ORDS  
 LATITUDE 10,379.436 GRID  
 DEPARTURE 7,722.609 3° STARTED Sept. 21/76 N.S.  
 ELEVATION 1274.314 62" COMPLETED Sept. 24/76 N.S.  
 PROPOSED DEPTH 130-190"  
 ULTIMATE DEPTH 130.1"

HOLE SURVEY:		
DEPTH	BEARING	DIP
0-14.6	-	-89°
31.2 (25.1)	037	-83°



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

Interval		DESCRIPTION	Recovery M.	Sample No	Interval		Sample Length	Assay					Assay x Meter				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	14.6	OVERBURDEN. Recovered 6cm granitic pebbles from 14.6-14.8	6cm / 14.6		0	14.6											
14.6	23.3	QzF-GRAN PHY ± (GK) Dark Gray. 55-60% qtz, irregular occurrence of calc - mainly where wider qtzitic bands occur. Well foliated to 20". qtzitic banding from 20-23" & Shering @ 16.4", 18.2", 19.2". C.A. F <sub>2</sub> = 75° @ 15.7-16, 70° @ 16-23" F <sub>1</sub> = 60-90° to F <sub>2</sub> @ 17.8-23"	0.14 / 1.2 / 5.2 / 7.5		14.6	15.8											
23.3	42.1	QzF-SAR ± Calc PHY (SxK) Light Gray. 60-65% qtz, local calc. (1-2%). 1+2 narrow shears per meter of core length, generally 11 F <sub>2</sub> . Note gangue breccia @ 27.4, 27.6". C.A. F <sub>2</sub> = 75° @ 23.5-27, 30-40° @ 27.8-28", 40° @ 30-32.5, 60° @ 34, 50° @ 34.4-35.5, 75° @ 40.5-42, 45° @ 42.5-44. F <sub>1</sub> sub.vert. to F <sub>2</sub> , locally grad to hor.	3.4 / 4.7 / 0.28 / 1.0 / 1.3 / 2.1 / 1.9 / 4.6 / 0.12 / 0.9 / 0.3 / 1.0		23.3	28.0											

} possible shear or fault



LOGGED BY

*J. L. [unclear]*

D.D.H. NO 76-A162 PAGE 3 of 5

Interval		DESCRIPTION	Recovery	Sample NO	Interval		Sample Length	Assay					Assay x					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
62.3	63.2	Qtz - Sulph - Sea (SBP)																
		Massive sulph bands mixed w/ blacked, barren sericite. Some appear to have been sheared & cordoned. Au. 15 py, 4 PZ. C.A. 70-20°	0.9	A 705 B	62.3	63.2	0.9	1.15	1.03	17.14	✓			1.035	0.927	15.42		
63.2	67.4	MASSIVE, SULPH - Qtz - Sea (M)																
		Disseminated pyrite in gtziser (buff) and mass. 65 6 py 7/8 and 0.2-6% PZ. May = 0.2-1% @ 63.3-66" C.A. 70-75° . F1(?) = 25° @ 67°.	1.6	A 706 B	63.2	64.8	1.6	3.10	2.60	39.43	✓			4.96	4.16	63.01		
			1.6	707 B		66.4	1.6	3.20	1.58	48.34	✓			5.12	2.53	77.34		
			1.5	708 B		67.9	1.5	0.13	0.25	8.23	✓			0.175	0.375	12.34		
				WT. AV.	63.2	66.4	3.2	3.15	2.09	43.88				10.08	6.69	140.43		
					63.2	67.9	4.7	2.18	1.50					10.275	7.065			
67.4	82.0	Qtz - Sulph - GRAPH (Pa)																
		Massive, siliceous & hard. 25-40% pyrite 0.1% PbZn. Good F1 & F2. C.A. F1 = 75° @ 67.6" (F1 90° to F2), F2 90° (F1 45° to F2) 68.2", F2 40° (F1 40° to F2) @ 69.6-71", F2 60° (F1 50° to F2 or 30° to core) @ 72.6", F2 88° (F1 45° to F2 or 30° to core) @ 74.3", F2 = 88° @ 75"-77.6", 70° @ 78-81". 75.5-76.5" = 30% porous	35	0.1	2	2.2	67.9	70.1										
			40	0.1	2.9	3.1		73.2										
			30	0.1	2	2.2		75.0										
			35	0.5	0.8			76.5	1.5	0.13	0.18	9.94						
			20	0.1	1.5			78.0	1.5	0.13	0.13	5.14						
			80	4	1.7			79.7	1.7	2.50	1.03	42.51						
			40	0.2	1.6			81.8	2.1	0.20	0.23	7.89						
								(51.5	0.2					0.4	0.46	1.58		
								(1.3)						0.26	0.249	0.25		





# DDH: FAGA162 -- 132 DEGREE PROFILE

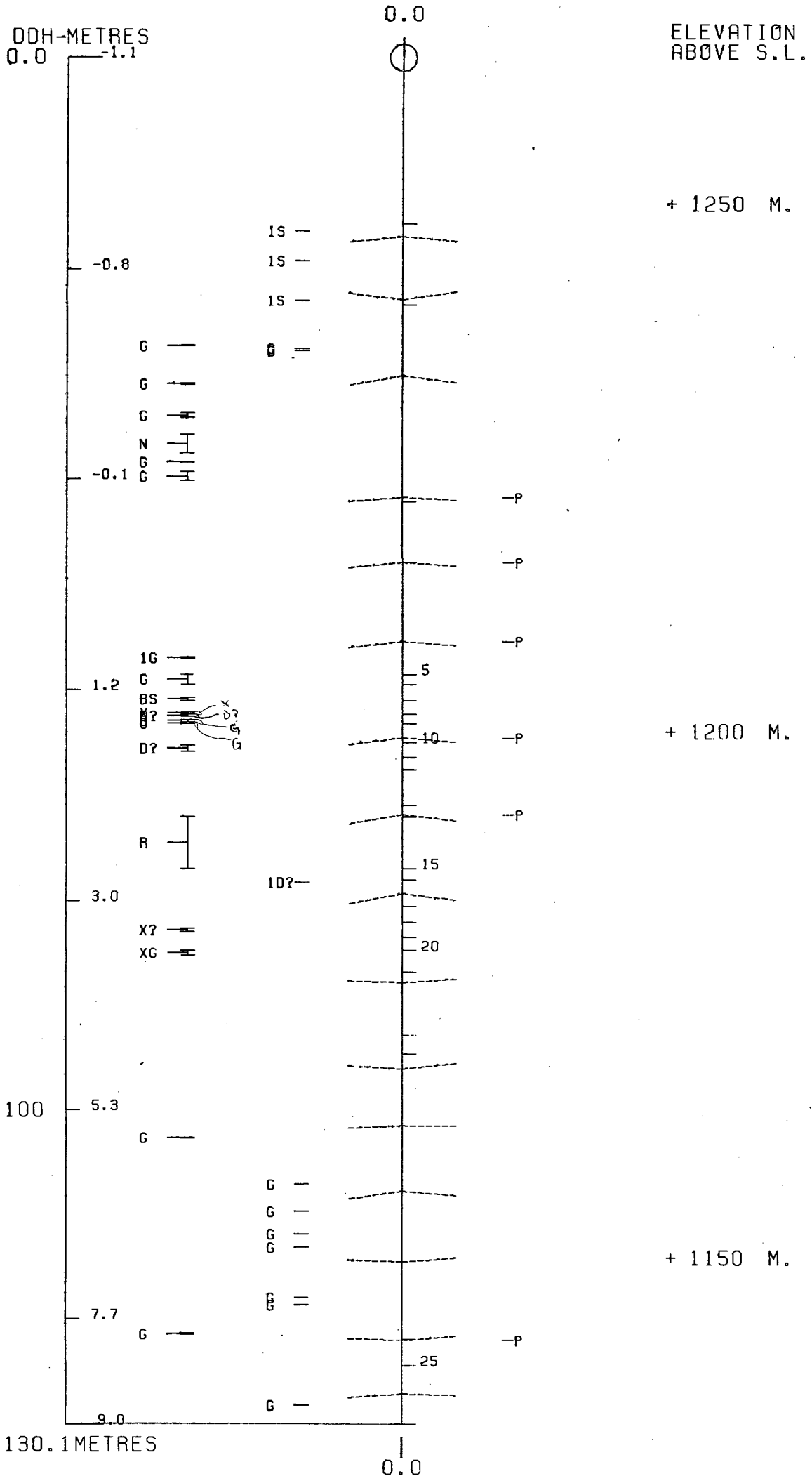
( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1264 592427E ; 904590N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 819.1 Z = 1263.7

SECTION NAME: 03S



# DDH: FAGA162 -- 132 DEGREE PROFILE

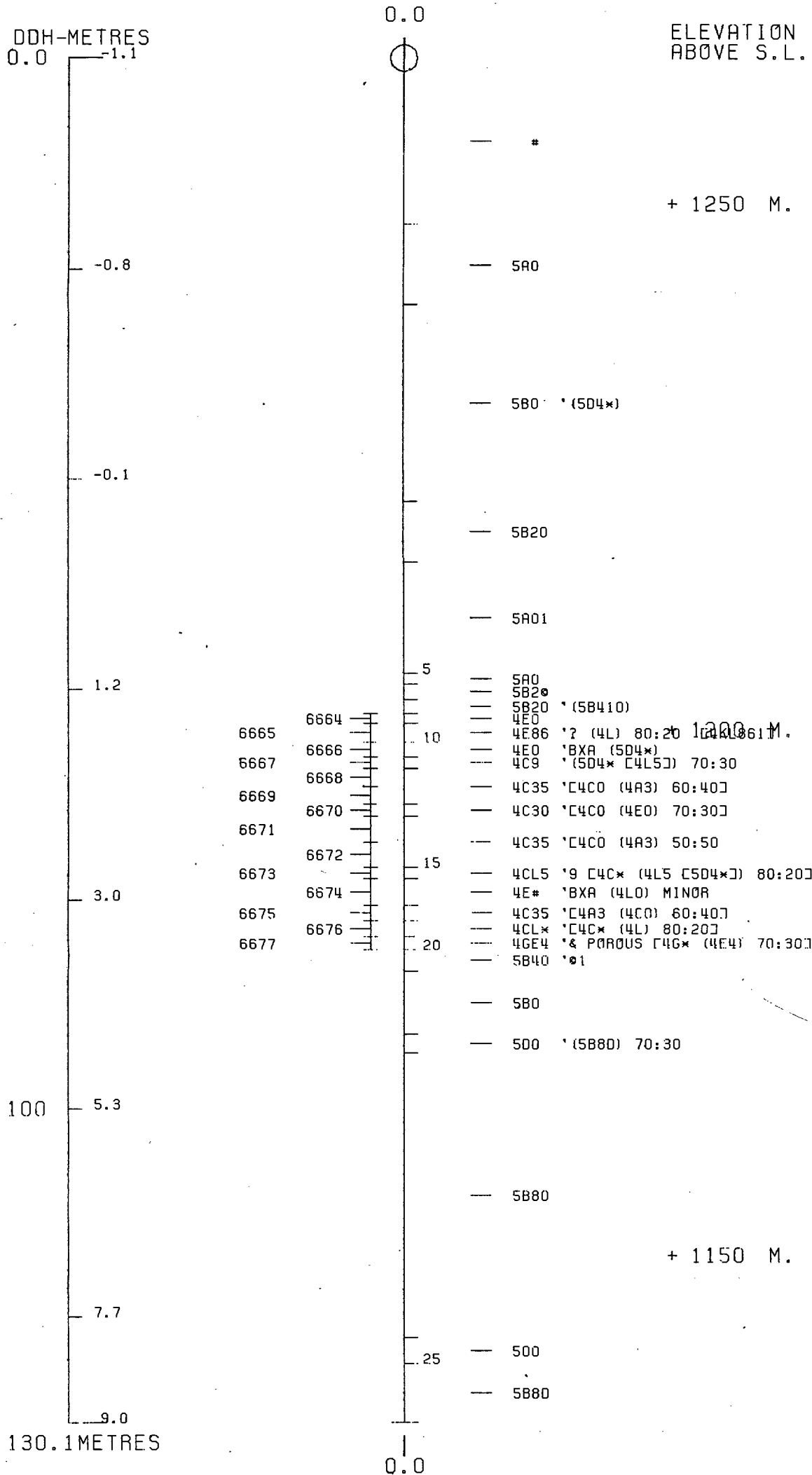
( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1264 592427E ; 904590N

PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2

CORRECTED COLLAR POSITION: X = 819.1 Z = 1263.7

SECTION NAME: 03S



FAGU169

84/10/31

## GRUM DATABASE - QUIZ REPORT

PAGE 12

DCH	SAMPLE	RCK. UNIT	NORMATIVE MINERALS - WEIGHT %							*	NORMATIVE MINERALS - VOLUME %							
			CPY	GA	SP	PO	PY	BAR	OTHER		CPY	GA	SP	PO	PY	BAR	OTHER	
FAGU169	716C	4CA3	.72	.02	.95					98.30	*							
	7161	4CA3	.43	.30	.64					98.63	*							
	7162	4A31	.61	.05	.60					98.75	*							
	7163	4A31	.35	.05	.98					98.62	*							
	7164	4A31	.55	.05	.30					99.11	*							
	7165	4A31	.49	.13	.48					98.90	*							
	7166	4A31	.38	.05	.25					99.32	*							
	7167	4A31	.43	.15	.27					99.15	*							
	7168	4A31	.20	.06	.24					99.50	*							
	7169	4A31	.23	.02	.19					99.55	*							
	717C	4A31	.17	.01	.24					99.58	*							
	7171	4A31	.38	.01	.34					99.27	*							
	7172	4A31	.32	.01	.24					99.43	*							
	7173	4A31	.32	.01	.19					99.48	*							
7174	4A31	.35	.02	.36					99.27	*								

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## GRUP DATABASE - QUIZ REPORT

PAGE 12

DCH	SAMPLE	---DEPTHS---		INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PO+PY	ZN
		FROM	TO	M	%	UNIT		%	%	%	G/MT	G/MT	%	%	%	%	%	RATIO
FAGU169	7160	.0	4.6	4.6	41	4CA3		.25	.02	.64	11.0					.66		.97
	7161	4.6	6.6	2.0	90	4CA3		.15	.26	.43	12.0					.69		.62
	7162	6.6	5.6	3.0	70	4A31		.21	.04	.40	10.0					.44		.91
	7163	9.6	12.6	3.0	13	4A31		.12	.04	.66	10.0					.70		.94
	7164	12.6	15.6	3.0	60	4A31		.19	.04	.20	10.0					.24		.83
	7165	15.6	18.6	3.0	70	4A31		.17	.11	.32	14.0					.43		.74
	7166	18.6	21.6	3.0	60	4A31		.13	.04	.17	7.0					.21		.81
	7167	21.6	24.6	3.0	70	4A31		.15	.13	.18	10.0					.31		.58
	7168	24.6	27.6	3.0	80	4A31		.07	.05	.16	6.0					.21		.76
	7169	27.6	30.6	3.0	83	4A31		.08	.02	.13	5.0					.15		.87
	7170	30.6	33.6	3.0	100	4A31		.06	.01	.16	5.0					.17		.94
	7171	33.6	36.6	3.0	100	4A31		.13	.01	.23	7.0					.24		.96
	7172	36.6	39.6	3.0	87	4A31		.11	.01	.16	6.0					.17		.94
	7173	39.6	42.6	3.0	73	4A31		.11	.01	.13	6.0					.14		.93
	7174	42.6	45.7	3.1	52	4A31		.12	.02	.24	5.0					.26		.92

DRILL HOLE : FAGU169  
NORTHING : 904,697.0  
EASTING : 592,522.8  
ELEVATION : 1,182.5  
TOTAL DEPTH : 45.7  
SECTION : W 62  
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: 15  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 2  
NOS DOWN-H-STRUCTURE: 8  
NOS DOWN-H-FAULTS: 1  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0



13FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 38

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
-------	--------	---------

0.000	90.200	44.000
-------	--------	--------

13FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 39

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.6	0001	4CA3	[4CL2 (4A3) 60:40]	0.5-	1
45.7	0002	4A31	& BXA & PHYLLITIC	0.5-	1

13FEB84 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 40

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62  
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 COE	DHDC	SDC	PROCESS	
FAGU169	0.C	4.7	CS2	0	0	34	230	C	1	1	1
FAGU169	0.C	9.1	CS2	0	0	34	230	C	1	1	1
FAGU169	0.0	16.1	CS2	0	0	41	230	C	1	1	1
FAGU169	0.0	24.1	CS2	0	0	28	230	0	1	1	1
FAGU169	0.0	25.9	CS2	0	0	31	230	C	1	1	1
FAGU169	0.0	31.7	CS2	0	0	39	230	C	1	1	1
FAGU169	0.0	37.1	CS2	0	0	33	230	C	1	1	1
FAGU169	0.C	42.0	CS2	C	0	42	230	G	1	1	1

13FEB84 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 41

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62  
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		
FAGU169	7.7	8.0	X?				0	0	0	0	0	1

13FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 42

DDH: FAGU169 UTM-N: 904,697.0 UTM-E: 592,522.8 UTM-ELEV: 1,182.5 TOTAL DEPTH: 45.7 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU169 1 1

DIAMOND DRILL CORE LOG

Date: JULY 10, 1981

Hole Number: FAG-U-169

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLATEAU

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

UTM

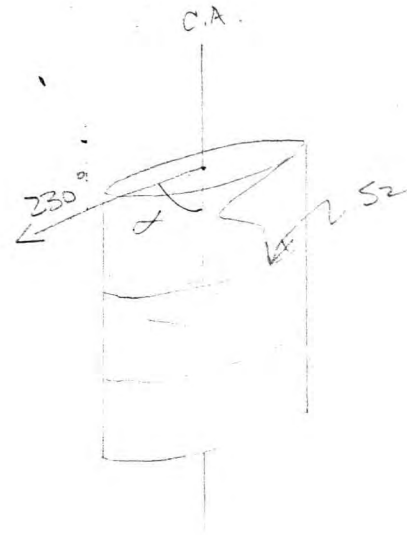
~~Terr.~~ Plane

Co-ords.: 6,904,697.10 N

*UTM  
symmetrical  
grid co-ords*

592,522.8 E

Grid  
Co-ords: 62W / 2N



All symmetry determinations looking

Elevation: 1182.5

NW with S2 dipping

Total Depth: 45.7 m

SW with dip azimuth 230.

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

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

*RE*  
Logged by: PN

Date(s) Logged: MARCH 12/81

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

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

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

teel down  
ole: \_\_\_\_\_

Started: SEPT. 2/76 Completed: SEPT. 2/76

















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## GRUM DATABASE - QUIZ REPORT

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DDH	SAMPLE	---DEPTHS---	INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PC+PY	ZN
		FROM	TO	M	%	UNIT	%	%	%	G/MT	G/MT	%	%	%	%	%	RATIO
FAGU175	8124	.C	1.3	1.3	77	4E81	.44	.15	.60	19.0					.75		.80
	8125	1.3	4.2	2.9	62	4C0	.31	.08	.75	10.0					.83		.90
	8126	4.2	7.2	3.0	100	4A31	.43	.06	.53	13.0					.59		.90
	8127	12.4	15.4	3.0	100	4A31	.26	.06	.50	13.0					.56		.89
	8128	17.4	19.4	2.0	75	4A3	.07	.02	.16	5.0					.18		.89
	8129	19.4	21.4	2.0	85	4A3	.18	.07	.20	7.0					.27		.74
	8130	21.4	24.4	3.0	90	4A31	.19	.03	.15	5.0					.18		.83
	8131	27.5	30.5	3.0	97	4A31	.15	.04	.26	4.0					.30		.87
	8132	32.4	35.4	3.0	100	4A31	3.32	.16	1.88	39.0	1.78	1.45	17.10		4.98	18.55	.62
	8133	40.7	43.7	3.0	100	4A34	3.01	.10	6.50	125.0	1.10	1.83	8.10		18.10	9.93	.64
	8134	43.7	45.6	1.9	100	4C0	3.54	.22	.15	11.0	1.85	1.54	29.00		.65	30.54	.77
	8135	45.6	47.5	1.9	100	4A31	3.18	.22	.15	11.0	1.85	1.54	29.00		.65	30.54	.77
	8136	47.5	49.4	1.9	100	4A31		.13	.30	12.0	3.02	2.20	11.90		.75	14.10	.60
	8137	49.4	50.3	.9	67	4A3		.12	.10	6.0					.19		.47
	8138	50.3	51.3	3.0	100	4A31		.07	.05	3.0					.39		.87
								.10	.03	.23	5.0				.26		.88



DRILL HOLE : FAGU175  
NORTHING : 904,696.7  
EASTING : 592,522.7  
ELEVATION : 1,181.7  
TOTAL DEPTH : 58.3  
SECTION : W 62  
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: 15  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 9  
NOS DOWN-H-STRUCTURE: 10  
NOS DOWN-H-FAULTS: 1  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

13FEB84 GRUM

## ORE SAMPLES &amp; ASSAYS (DHC20)

PAGE: 16

DDH: FAGU175 UTM-N: 904,696.7 UTM-E: 592,522.7 UTM-ELEV: 1,181.7 TOTAL DEPTH: 58.3 SECTION: W 62  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----													
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
.0	1.3	08124	1.3	1.0	4E81	.44	.15	.60	19.00										
1.3	4.2	08125	2.9	1.8	4C0	.31	.08	.75	10.00										
4.2	7.2	08126	3.0	3.0	4A31	.43	.06	.53	13.00										
12.4	15.4	08127	3.0	3.0	4A31	.26	.06	.50	13.00										
17.4	19.4	08128	2.0	1.5	4A3	.07	.02	.16	5.00										
19.4	21.4	08129	2.0	1.7	4A3	.18	.07	.20	7.00										
21.4	24.4	08130	3.0	2.7	4A31	.19	.03	.15	5.00										
27.5	30.5	08131	3.0	2.9	4A31	.15	.04	.26	4.00										
32.4	35.4	08132	3.0	3.0	4A31	3.32	.16	1.88	3.10	39.00		1.78	1	17	18				
40.7	43.7	08133	3.0	3.0	4A34	3.01	.10	6.50	11.60	125.00		1.10	1	8	9				
43.7	45.6	08134	1.9	1.9	4C0	3.94	.22	.15	.50	11.00		1.85	1	29	30				
45.6	47.5	08135	1.9	1.9	4A31	3.18	.13	.30	.45	12.00		3.02	2	11	14				
47.5	49.4	08136	1.9	1.9	4A31		.12	.10	.09	6.00									
49.4	50.3	08137	.9	.6	4A3		.07	.05	.34	3.00									
50.3	53.3	08138	3.0	3.0	4A31		.10	.03	.23	5.00									

## WEIGHTED AVERAGE

.0	7.2		7.2	5.8		.38	.08	.63	12.87									
12.4	15.4		3.0	3.0		.26	.06	.50	13.00									
17.4	24.4		7.0	5.9		.15	.03	.16	5.57									
27.5	30.5		3.0	2.9		.15	.04	.26	4.00									
32.4	35.4		3.0	3.0		3.32	.16	1.88	3.10	39.00		1.78	1	17	18			
40.7	53.3		12.6	12.3		1.79	.12	1.64	2.99	35.53		.99		8	9			

13FEB84 GRUM

DOWN-HOLE SURVEYS (DH02C)

PAGE: 17

DDH: FAGU175 UTM-N: 904,696.7 UTM-E: 592,522.7 UTM-ELEV: 1,181.7 TOTAL DEPTH: 58.3 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	125.200	42.500

13FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 18

DDH: FAGU175 UTM-N: 9C4,696.7 UTM-E: 592,522.7 UTM-ELEV: 1,181.7 TOTAL DEPTH: 58.3 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.3	0G01	4E81		0.5-	1
4.2	0G02	4C0	SERICITIC 88 89 MINOR	0.5-	1
17.4	0003	4A31	PHYLLITIC (4C0) MINOR	0.5-	1
21.4	0004	4A3	(4C0) MINOR	0.5-	1
43.7	0C05	4A31		0.5-	1
45.6	0C06	4C0	(404) 90:10	0.5-	1
49.4	0G07	4A31		0.5-	1
50.3	0C08	4A3	BXA	0.5-	1
58.3	0009	4A31		0.5-	1

13FEB84 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 19

DDH: FAGU175 UTM-N: 904,696.7 UTM-E: 592,522.7 UTM-ELEV: 1,181.7 TOTAL DEPTH: 58.3 SECTION: W 62  
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			
FAGU175	0.0	3.7	CS2	0	0	0	C	60	230	0	1	1	1
FAGU175	0.0	11.0	CS2	0	0	0	C	57	230	0	1	1	1
FAGU175	0.0	17.4	CS2	0	0	0	C	76	230	C	1	1	1
FAGU175	0.0	21.9	CS2	0	0	0	C	84	230	C	1	1	1
FAGU175	0.0	26.3	CS2	0	0	0	C	78	230	C	1	1	1
FAGU175	0.0	29.7	CS2	0	0	0	C	73	230	0	1	1	1
FAGU175	0.0	35.2	CS2	0	0	0	C	65	230	C	1	1	1
FAGU175	0.0	41.2	CS2	0	0	0	C	54	230	C	1	1	1
FAGU175	0.0	47.6	CS2	0	0	0	C	57	230	0	1	1	1
FAGU175	0.0	52.5	CS2	0	0	0	C	60	230	0	1	1	1

13FEB84 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 20

DDH: FAGU175 UTM-N: 904,696.7 UTM-E: 592,522.7 UTM-ELEV: 1,181.7 TOTAL DEPTH: 58.3 SECTION: W 62  
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	
FAGU175	49.4	50.3	GX		0	0	0	0	1

13FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 21

DDH: FAGU175 UTM-N: 904,696.7 UTM-E: 592,522.7 UTM-ELEV: 1,181.7 TOTAL DEPTH: 58.3 SECTION: W 62  
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU175 1 1

CYPRUS ANVIL MINING CORPORATION

Page 1 of 5

DIAMOND DRILL CORE LOG

Date: JULY 10/81

Hole Number: FAG-U-175

Reference Fabric Orientation Diagram:

Project: GRDM RELOG

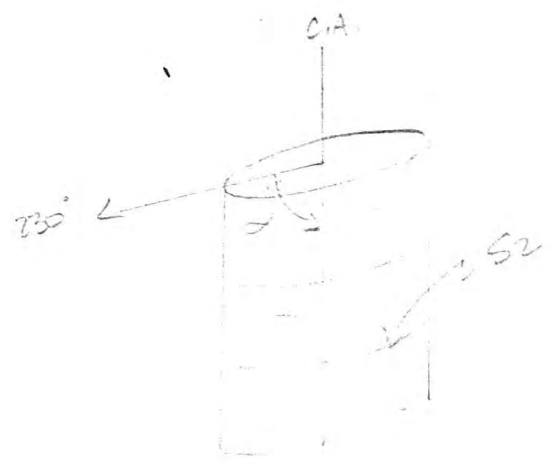
Location: VANGARDA PLATEAU

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

Terr. Plane Co-ords.: 6904, 696.7 N

Co-ords.: 592, 572.7 E

Grid Co-ords: 6.2 W / 2N



UTM  
Terr. Plane  
Co-ords.:  
size of grid  
UTM  
Co-ords

All symmetry determinations looking

Elevation: 1181.7

NW with S2 dipping

Total Depth: 53.2 m

SW with dip azimuth 230

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

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

Logged by: RE PN

Date(s) Logged: MARCH 12/81

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

Size	CORE From	To	Collar Cased and Capped:
BO	0	E014	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

Steel down pipe: \_\_\_\_\_

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



Lithologic Log

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
L		100			13					001	4E81	
L		13			42					002	4C4	4c w/min mt, cpy w/banded w/ banded 4CL; 50% py;
L		42			174					003	4A31	pyritic; min 400 interbands; 30% py; negligible PbZn;
L		174			214					004	4A3	w/ min 4c interbands;
L		214			437					005	4A31	no unit 3;
L		437			456					006	4C10	w/ 404 44.3-44.6% (10% PbZn); 4A3 44.6-45.0% 22% PbZn;
L		456			494					007	4A31	no unit 5;
L		494			503					008	4A3	gauge + mica; no cut altitudes
L		503			533					009	4A31	no unit 7; 2% PbZn;
					EOH							



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				
P		100		113			2124	113	110					4AB11			
P		113		142			2125	29	119					4AB11			
P		142		172			2126	30	130					4AB11	} This unit extends from 4.2-13.4 m; 2 representative sections have been chosen for assay		
P		124		154			2127	30	132					4AB11			
P		174		194			2128	20	118					4AB11			
P		184		214			2129	20	118					4AB11			
P		214		244			2130	30	130					4AB11	} 4 sections chosen for assay out of this unit		
P		225		300			2131	20	119					4AB11			
P		324		354			2132	30	130					4AB11			
P		407		437			2133	30	130					4AB11			
P		437		456			2134	19	119					4AB11			
P		456		475			2135	19	119					4AB11			
P		475		494			2136	19	119					4AB11			
P		494		503			2137	109	102					4AB11	Gravel + bicia		
P		503		533			2138	30	130					4AB11			







FAGU177

84/1C/31

## GRUM DATABASE - QUIZ REPORT

PAGE 16

DCM	SAMPLE	---DEPTHS---	INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PC+PY	ZN
		FROM	TO	M	%	UNIT	%	%	%	G/MT	G/MT	%	%	%	%	%	RATIO
FAGU177	7175	.0	3.1	3.1	90	4CL	.43	.13	.30	110.0					.43		.70
	7176	3.1	6.3	3.2	91	4A31	3.38	.19	1.00	1.17	20.0	1.10	2.65	13.10	2.17	15.75	.54
	7177	6.3	8.0	1.7	88	4CL		.18	.84	1.00	19.0				1.84		.54
	7178	8.0	10.5	2.5	92	4A31		.20	.28	.75	12.0				1.03		.73
	7179	10.5	13.0	2.5	92	4A31		.17	.16	.51	9.0				.67		.76
	7180	13.0	15.5	2.5	76	4A31		.14	.06	.50	6.0				.56		.89
	7181	15.5	18.0	2.5	100	4A31		.16	.61	.82	20.0				1.43		.57
	7182	18.0	20.5	2.5	96	4A31		.21	.07	.26	9.0				.33		.79
	7183	20.5	23.1	2.6	100	4A31		.31	.07	.15	12.0				.22		.68
	7184	23.1	25.7	2.6	100	4A31		.29	.06	.30	12.0				.36		.83
	7185	25.7	28.3	2.6	42	4A31		.13	.09	.27	6.0				.36		.75
	7186	28.3	30.9	2.6	98	4A31		.10	.13	.38	9.0				.51		.75
	7187	30.9	33.5	2.6	100	4A31		.12	.14	.25	8.0				.39		.64
	7188	33.5	36.1	2.6	77	4A31		.07	.26	.34	7.0				.60		.57
	7189	36.1	39.3	3.2	87	504*	2.97	.04	1.62	2.70	23.0	.48	4.08	3.01	4.32	7.09	.62
	7190	39.3	41.2	1.9	63	4A3		.10	.14	.34	6.0				.48		.71
	7191	41.2	43.2	2.0	75	4A3		.10	.03	.14	3.0				.17		.82
	7192	43.2	45.2	2.0	100	4A3		.10	.09	.14	4.0				.23		.61
	7193	45.2	47.2	2.0	100	4A3		.16	.54	.69	13.0				1.23		.56
	7194	47.2	48.8	1.6	94	4C3		.19	.10	.12	6.0				.22		.55
	7195	48.8	50.6	1.8	100	4A34	3.33	.13	2.80	3.60	44.0	1.10	1.55	16.60	6.40	18.15	.56
	7196	50.6	51.9	1.3	92	4C3		.13	.06	.09	7.0				.15		.60
	7197	51.9	54.7	2.8	82	4A3		.08	.06	.08	10.0				.14		.57
	7198	54.7	57.4	2.7	85	4A3		.05	.08	.11	12.0				.19		.58
	7199	57.4	60.5	3.1	48	4A3		.03	.05	.06	13.0				.11		.55

84/1C/31

## GRUM DATABASE - QUIZ REPORT

PAGE 16

OCH	SAMPLE	ROCK UNIT	NCRMATIVE MINERALS - WEIGHT %							OTHER *	NCRMATIVE MINERALS - VOLUME %								
			CPY	GA	SP	PC	PY	BAR	CPY		GA	SP	PO	PY	BAR	OTHER			
FAGU177	7175	4CL	1.24	.15	.45					98.16	*								
	7176	4A31	.55	1.15	1.74	4.17	28.17			64.21	*	.43	.50	1.42	2.96	18.41		76.28	
	7177	4CL	.52	.97	1.49					97.02	*								
	7178	4A31	.52	.32	1.12					97.98	*								
	7179	4A31	.49	.18	.76					98.56	*								
	718C	4A31	.4C	.07	.75					98.78	*								
	7181	4A31	.46	.7C	1.22					97.61	*								
	7182	4A31	.61	.08	.39					98.92	*								
	7183	4A31	.9C	.08	.22					98.80	*								
	7184	4A31	.84	.07	.45					98.65	*								
	7185	4A31	.38	.10	.40					99.12	*								
	7186	4A31	.29	.15	.57					98.99	*								
	7187	4A31	.35	.16	.37					95.12	*								
	718E	4A31	.20	.3C	.51					98.99	*								
	7189	5C4*	.12	1.87	4.03	6.42	6.47			81.10	*	.08	.75	3.01	4.17	3.87		88.13	
	719C	4A3	.29	.16	.51					99.04	*								
	7191	4A3	.29	.03	.21					99.47	*								
	7192	4A3	.29	.1C	.21					99.40	*								
	7193	4A3	.44	.62	1.03					97.89	*								
	7194	4C3	.55	.12	.18					99.16	*								
	7195	4A34	.38	1.23	5.37	2.44	35.7C			52.89	*	.31	1.50	4.66	1.84	24.82		66.86	
	7196	4C3	.38	.07	.13					99.42	*								
	7197	4A3	.23	.07	.12					99.58	*								
	7198	4A3	.14	.09	.16					99.60	*								
	7199	4A3	.09	.06	.09					99.77	*								

DRILL HOLE : FAGU177  
NORTHING : 904,696.6  
EASTING : 592,522.5  
ELEVATION : 1,184.5  
TOTAL DEPTH : 65.5  
SECTION : W 62  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 25  
NOS DOWN-H-SURVEYS: 1  
NOS DOWN-H-LITHOLOGY: 10  
NOS DOWN-H-STRUCTURE: 9  
NOS DOWN-H-FAULTS: 9  
NOS DOWN-H-SPLINES: 1  
NOS COMPOSITES: 0

DDH: FAGU177 UTM-N: 904,696.6 UTM-E: 592,522.5 UTM-ELEV: 1,184.5 TOTAL DEPTH: 65.5 SECTION: W 62  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS													
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
.0	3.1	07175	3.1	2.8	4CL		.43	.13	.30	110.00										
3.1	6.3	07176	3.2	2.9	4A31	3.38	.19	1.00	1.17	20.00		1.10	2	13	15					
6.3	8.0	07177	1.7	1.5	4CL		.18	.84	1.00	19.00										
8.0	10.5	07178	2.5	2.3	4A31		.20	.28	.75	12.00										
10.5	13.0	07179	2.5	2.3	4A31		.17	.16	.51	9.00										
13.0	15.5	07180	2.5	1.9	4A31		.14	.06	.50	6.00										
15.5	18.0	07181	2.5	2.5	4A31		.16	.61	.82	20.00										
18.0	20.5	07182	2.5	2.4	4A31		.21	.07	.26	9.00										
20.5	23.1	07183	2.6	2.6	4A31		.31	.07	.15	12.00										
23.1	25.7	07184	2.6	2.6	4A31		.29	.06	.30	12.00										
25.7	28.3	07185	2.6	1.1	4A31		.13	.09	.27	6.00										
28.3	30.9	07186	2.6	2.3	4A31		.10	.13	.38	9.00										
30.9	33.5	07187	2.6	2.6	4A31		.12	.14	.25	8.00										
33.5	36.1	07188	2.6	2.0	4A31		.07	.26	.34	7.00										
36.1	39.3	07189	3.2	2.8	5D4*	2.97	.04	1.62	2.70	23.00		.48	4	3	7					
39.3	41.2	07190	1.9	1.2	4A3		.10	.14	.34	6.00										
41.2	43.2	07191	2.0	1.5	4A3		.10	.03	.14	3.00										
43.2	45.2	07192	2.0	2.0	4A3		.10	.09	.14	4.00										
45.2	47.2	07193	2.0	2.0	4A3		.16	.54	.69	13.00										
47.2	48.8	07194	1.6	1.5	4C3		.19	.10	.12	6.00										
48.8	50.6	07195	1.8	1.8	4A34	3.33	.13	2.80	3.60	44.00		1.10	1	16	18					
50.6	51.9	07196	1.3	1.2	4C3		.13	.06	.09	7.00										
51.9	54.7	07197	2.8	2.3	4A3		.08	.06	.08	10.00										
54.7	57.4	07198	2.7	2.3	4A3		.05	.08	.11	12.00										
57.4	60.5	07199	3.1	1.5	4A3		.03	.05	.06	13.00										

## WEIGHTED AVERAGE

.0	60.5	60.5	51.9	.43	.15	.37	.60	17.21	.11	1	1
----	------	------	------	-----	-----	-----	-----	-------	-----	---	---

13FEB84 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 10

DDH: FAGU177 UTM-N: 904,696.6 UTM-E: 592,522.5 UTM-ELEV: 1,184.5 TOTAL DEPTH: 65.5 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	47.600	51.700

13FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 11

DDH: FAGU177 UTM-N: 904,696.6 UTM-E: 592,522.5 UTM-ELEV: 1,184.5 TOTAL DEPTH: 65.5 SECTION: W 62  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OMD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.1	0001	4C3	SERICITIC [4CL]	0.5-	1
6.3	0002	4A31	& BXA	0.5-	1
8.0	0003	4CL	(4E0)	0.5-	1
36.1	0004	4A31	BXA (4C0)	0.5-	1
39.3	0005	504*	(4A3) (4L1) MINOR	0.5-	1
47.2	0006	4A3		0.5-	1
48.8	0007	4C3		0.5-	1
50.6	0008	4A31	(4D4) MINOR	0.5-	1
51.9	0009	4C3		0.5-	1
65.5	0010	4A3	BXA	0.5-	1

13FEB84 GRUM

## DOWN-HOLE STRUCTURE (DH020)

PAGE: 12

DDH: FAGU177 UTM-N: 904,696.6 UTM-E: 592,522.5 UTM-ELEV: 1,184.5 TOTAL DEPTH: 65.5 SECTION: W 62  
 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
FAGU177	0.0	6.3	CS2		0	0	0	0	28	230	0		1	1	1
FAGU177	0.0	8.5	CS2		0	0	0	0	45	230	C		1	1	1
FAGU177	0.0	16.1	CS2		0	0	0	0	37	230	C		1	1	1
FAGU177	0.0	25.0	CS2		0	0	0	0	13	230	0		1	1	1
FAGU177	0.0	32.6	CS2		0	0	0	C	3	230	0		1	1	1
FAGU177	0.0	38.9	CS2		0	0	0	C	34	230	0		1	1	1
FAGU177	0.0	46.0	CS2		0	0	0	0	19	230	0		1	1	1
FAGU177	0.0	55.7	CS2		0	0	0	0	52	230	0		1	1	1
FAGU177	0.0	56.6	CS2		0	0	C	0	45	230	0		1	1	1

DDH: FAGU177 UTM-N: 904,696.6 UTM-E: 592,522.5 UTM-ELEV: 1,184.5 TOTAL DEPTH: 65.5 SECTION: W 62  
 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		
FAGU177	6.C	6.3	X?				0	0	C	0	0	1
FAGU177	10.5	10.7	X?				0	0	C	0	0	1
FAGU177	11.2	11.6	X?				0	0	C	0	0	1
FAGU177	11.7	12.1	X?				0	0	C	0	0	1
FAGU177	13.8	14.1	X?				0	0	C	0	0	1
FAGU177	14.5	15.5	X?				0	0	C	0	0	1
FAGU177	20.4	20.6	X?				0	0	C	0	0	1
FAGU177	51.9	52.2	X?				0	0	C	0	0	1
FAGU177	62.7	65.5	RP		3		0	0	C	0	0	1

13FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 14

DDH: FAGU177 UTM-N: 904,696.6 UTM-E: 592,522.5 UTM-ELEV: 1,184.5 TOTAL DEPTH: 65.5 SECTION: W 62  
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU177 1 1

CYPRUS ANVIL MINING CORPORATION

Page 1 of 5

DIAMOND DRILL CORE LOG

Date: JULY 10, 1981

Hole Number: FAG-U-177

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLATEAU

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

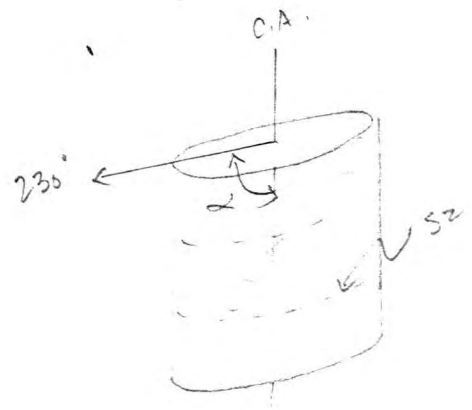
Terr. Plane Co-ords.: \_\_\_\_\_

6,904,696.6 N

592,522.5 E

Grid Co-ords: 62W / 2N

visions of survey grid co-ords



Elevation: 1184.5

All symmetry determinations looking

NW with S2 dipping

Total Depth: 65.5 m

SW with dip azimuth 230.

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

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

Logged by: PE PN

Date(s) Logged: MARCH 12, 1981

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

Size	CORE From	To	Collar Cased and Capped:
BQ	0	E014	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

Steel down pipe: \_\_\_\_\_

Started: SEPT. 5 / 76 Completed: SEPT. 5 / 76



Code	From			To			Recov.			No.	Unit	Description
	10	14	16	20	22	24	26	28	30			
L		100		31						001	4C10	60% py;
L		31		63						002	4A31	2% PbZn; 20% py; breccia w/ at-py clasts in matrix at 6.0-6.3m (subangular clasts)
L		162		20						003	4C10	min 40% mt;
L		180		361						004	4A31	breccia (at-py clasts; sph. mineral) 10.5-10.7 11.2-11.6 11.7-12.1 13.9-14.1 14.5-15.5 20.4-20.6m; matrix 40% int. bands
L		361		393						005	5D4	orange-buff altered 5D w/ min py & mauposite; 4A3 & 4L1 int. bands; 2% PbZn;
L		393		472						006	4A31	<2% PbZn; 15% py;
L		422		423						007	4C1	min (<2%) magnetite; 60% py;
L		488		506						008	4A31	30% py; <2% PbZn; min 40% bands
L		506		519						009	4C1	no unit '7;
L		519		655						010	4A31	breccia 51.9-52.2 m; no unit 8; part recovered 62.7-65.5m where only pebbles recovered (0.7/2.5)
				50#								







# DIAMOND DRILL RECORD

LOGGED BY STANLEY B. REAMSBOTTOM

D.D.H. No 76-U-177 PAGE 1

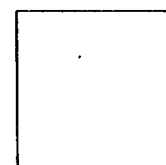
PROPERTY GRUM JOINT VENTURE

LATITUDE 10,483.85 62W STARTED SEPTEMBER 5, 1976

DEPARTURE 7,825.00 2N COMPLETED SEPTEMBER 5, 1976

ELEVATION 1,195.11 PROPOSED DEPTH \_\_\_\_\_  
ULTIMATE DEPTH 65.5

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	53° 53'	+42° 22'



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

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval		DESCRIPTION	S% PZ	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
0	36.1	QUARTZ-SULPHIDE ZONE (PBg) (graphitic).															
		Ribbon banded quartz-graphitic and locally lesser white quartz-sericitic sulphide zone.	20 2	3.0	B135	0	3.0	3.0	0.15	0.45	8.91			0.60	PbZn		
		Local thin breccia zones in which sulphide recemented by quartz and fine grained sulphide at 6-6.3; 10.5-10.7; 11.4-12.2; 14.3-15.3.	20 4-6	1.6	B136	3.0	4.6	1.6	1.21	0.98	20.23			2.19	PbZn		
		Mineralization: 10 to locally 50% Pyrite ave. 25%, with lesser dark-red sphalerite, minor galena, Cpy. Grade varies 2% to locally 6%. Chalcopyrite in tension gashes.	25 6	1.5	B137	4.6	6.1	1.5	0.94	1.43	16.11			2.37	PbZn		
			25 4-6	1.5	B138	6.1	7.6	1.5	0.65	0.60	15.09			1.25	PbZn		
			20 2-4	3.1	B139	7.6	10.7	3.1	0.30	0.85	10.97			1.15	PbZn		
			15 2	3.0	B140	10.7	13.7	3.0	0.14	0.58	8.91			0.72	PbZn		
			15 2	3.0	B141	13.7	16.7	3.0	0.49	0.63	13.03			1.12	PbZn		
			15 2	3.0	B142	16.7	19.7	3.0	0.35	0.35	10.91			0.70	PbZn		
		NOTE: Intersected drill hole at 10.8.				19.7	29.0		Quartz-Gr. Sulph.	1-2%	PbZn.						
		CA: 1.5 = F 56; 3.0 = 52; 4.5 = 55 F; 6 = F fold nose; 60 F; 7.5=35; 8 = F = 30; 10.5 = 43 F; 12 = 40 = F; 14 = BX; 16 = 41 F; 18 = F 40; 20 = F 50, F = 20 s. dip; 22 = F = 50°; 24 = F 35; 26 = F 65, F = 35° same dip.		0.5		26.5	29.0	2.5	Poor recovery.								
					W.Av.	0	19.7	19.7	1.11	PbZn							
					W.Av.	3.0	6.1	3.1	2.28	PbZn							



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

D.D.H. No 76-U-177 PAGE 3

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
46.6	51.8	MASSIVE BANDED SULPHIDE IN QUARTZ-GRAPHITIC GANGUE	40 2-4	1.5	B147	45.7	47.2	1.5	0.83	0.85	13.03					
		(MBg).	55 2-4	1.6	B148	47.2	48.8	1.6	0.10	0.08	5.14					
			50 6	1.5	B149	48.8	50.3	1.5	2.38	3.58	38.40					
		Bands of massive pyritic sulphide within the quartz-	40 2	1.5	B150	50.3	51.8	1.5	0.08	0.18	5.14					
		graphitic phyllite.														
		50-60% Sulphide: Pyrite, minor red sphalerite, galena,														
		chalcopyrite. Grade 2 - locally 6%, PbZn. Cpy in tension														
		gashes.														
		CA: 48 = 21 F; 50 = 41 F; 52 = F = 75, F = 33.														
		1 1 1 2														
51.8	65.5	QUARTZ-GRAPHITIC SULPHIDES (PBg).														
		Quartz-rich sulphide (PY) laminae alternating with dark														
		cherty graphitic laminae. Section mainly pyritic 35-40%														
		Sulphide : Less than 2% PbZn. Rock broken throughout section														
		Gouged, fine grained sulphide-quartz 62.5-65.5.	15 2	1.5	B151	51.8	53.3	1.5	0.05	0.08	5.14					
		Gravel recovered. Recovery very poor. Representative sec-		0.8		53.3	54.3	1.0								
		tion 51.8-53.3. Most of section assays less than 2% PbZn.		0.5		54.3	54.9	0.6								
				0.4		54.9	55.5	0.6								
				0.9		55.5	56.4	0.9								
				0.7		56.4	57.9	1.5								
		CA: 54 = F F 62; 56 = F = F = 53 but opposite dip;		0.3		57.9	61.0	3.1	Poor	recovery.						

1 2 1 2



FAGA216

84/10/16

## GRUM DATABASE - QUIZ REPORT

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DDH	SAMPLE	---DEPTHS---	INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PO+PY	ZN
		FROM	TO	M	X	UNIT	X	X	X	G/MT	G/MT	X	X	X	X	X	RATIO
FAGA216	12331	175.9	176.7	.8	87	4E18	.28	1.23	.99	27.0					2.22		.45
	12332	176.7	177.9	1.2	92	4LE	.26	1.17	.68	22.0					1.85		.37
	12333	188.3	189.6	1.3	92	4C7*	.07	.49	.51	15.0					1.00		.51
	12334	190.7	191.3	.6	100	4C68	4.02	.30	1.16	.93	26.0	1.58	7.91	24.60	2.09	32.51	.44
	12335	191.3	193.4	2.1	95	4C8*	3.90	.30	2.13	2.60	31.0	.82	11.10	18.40	4.73	29.50	.55
	12336	193.4	194.7	1.3	92	4EG*	4.05	.36	3.30	3.10	46.0	.96	10.36	18.80	6.40	29.16	.48
	12337	194.7	195.5	.8	100	408*	3.81	.23	2.50	2.90	37.0	.96	9.30	18.00	5.40	27.30	.54
	12338	195.5	196.6	1.1	91	4E6*	3.62	.32	.88	.70	22.0	.82	7.77	17.80	1.58	25.57	.44
	12339	196.6	197.3	.7	100	5A19	2.92	.08	.21	.14	10.0	.41	1.39	2.45	.35	3.84	.40
	12340	197.3	199.4	2.1	95	4E1*	3.00	.25	1.44	1.41	29.0	.75	10.26	20.10	2.85	30.36	.49
	12341	199.4	201.5	2.1	95	4E1*	3.65	.22	1.11	1.10	19.0	.89	8.32	16.60	2.21	24.92	.50
	12342	201.5	204.0	2.5	92	4E1*	3.94	.19	2.80	2.40	34.0	.69	8.65	17.80	5.20	26.45	.46
	12343	204.0	205.7	1.7	94	4EL	3.45	.14	1.21	.71	20.0	.75	4.09	14.70	1.92	18.79	.37
	12344	205.7	207.4	1.7	94	4A1	3.19	.17	.21	.26	8.0	.96	2.91	12.90	.47	15.81	.55
	12345	207.4	208.4	1.0	90	4E6*	3.94	.18	1.45	1.45	25.0	.96	6.12	23.30	2.90	29.42	.50
	12346	208.4	208.8	.4	100	4L48	3.38	.17	1.96	1.71	28.0	.89	5.79	11.10	3.67	16.89	.47
	12347	208.8	209.5	.7	86	4E16	3.82	.17	3.30	3.20	43.0	.89	7.55	18.40	6.50	25.95	.49
	12348	209.5	211.4	1.9	95	4E8*	3.85	.34	1.47	1.20	25.0	.82	8.40	22.50	2.67	30.90	.45
	12349	211.4	212.1	.7	100	4C78	3.9C	.35	.80	.56	18.0	.89	13.05	20.60	1.36	33.65	.41
	12350	215.3	215.8	.5	100	4G8*	3.86	.25	1.10	.80	19.0	.41	10.10	22.90	1.90	33.00	.42
	12351	216.4	217.7	1.3	92	4E16		.21	.96	.58	18.0				1.54		.38
	12352	219.0	220.3	1.3	92	4G*8		.34	.80	.52	15.0				1.32		.39
	12353	220.3	221.7	1.4	100	4G*8		.24	.92	.38	16.0				1.30		.29
	12354	222.2	224.1	1.9	95	4E16		.21	1.24	1.17	21.0				2.41		.49
	12355	224.1	224.6	.5	80	4L4		.14	.33	.36	10.0				.69		.52
	12356	224.6	225.1	.5	100	4EL		.22	.26	.33	7.0				.59		.56
	12357	225.1	226.6	1.5	93	4A13	4.53	.25	2.01	1.75	36.0	.55	8.10	20.10	3.76	28.20	.47
	12358	226.6	228.1	1.5	93	4A13	4.53	.25	2.01	1.75	36.0	.55	8.10	20.10	3.76	28.20	.47
	12359	228.1	228.6	.5	80	4G48	3.66	.26	2.80	4.10	45.0	.62	3.97	11.80	6.90	15.77	.59
	12360	235.8	236.6	.8	100	4C0	3.35	.21	1.08	1.17	19.0	.41	4.86	12.00	2.25	16.86	.52
	12361	237.1	237.7	.6	100	4G4	4.18	.13	6.50	6.40	94.0	.96	2.80	16.70	12.90	19.50	.50
	12362	237.7	239.7	2.0	95	4A1	3.28	.24	.31	.27	9.0	.69	1.81	16.10	.58	17.91	.47
	12363	239.7	240.6	.9	89	4A1	3.23	.16	1.21	1.13	17.0	.48	4.29	11.50	2.34	15.79	.48
	12364	240.6	241.9	1.3	100	4A1	3.25	.19	.16	.22	7.0	.69	2.65	13.80	.38	16.45	.58
	12365	241.9	243.0	1.1	91	4A1	3.37	.14	2.13	2.80	33.0	.75	1.93	15.30	4.93	17.23	.57
	12366	243.0	243.8	.8	88	4E1	4.14	.14	.36	.26	14.0	1.17	3.60	29.90	.62	33.50	.42
	12367	243.8	244.3	.5	80	4C3	3.61	.22	1.55	.41	32.0	.89	2.98	17.20	1.96	20.18	.21
	12368	244.3	246.3	2.0	95	4C83	3.43	.20	1.18	.87	22.0	.55	6.52	12.40	2.05	18.92	.42
	12369	246.3	247.4	1.1	91	4E16	3.65	.22	.76	.73	18.0	.82	8.68	16.90	1.49	25.58	.49
	12370	247.4	249.3	1.9	95	4E1	3.11	.13	.58	.61	12.0	.21	5.18	9.10	1.19	14.28	.51
	12371	261.5	262.9	1.4	100	5A19		.01	.02	.03	4.0				.05		.60
	12372	262.9	264.3	1.4	93	5A19		.01	.01	.03	4.0				.04		.75
	12373	265.3	266.8	1.5	93	5A19		.01	.01	.01	5.0				.02		.50
	12374	266.8	268.2	1.4	100	5A19		.01	.01	.02	4.0				.03		.67
	12375	362.2	364.4	2.2	95	4L4		.03	.19	.40	5.0				.59		.68
	12376	364.4	366.6	2.2	95	4L4		.01	.01	.03	4.0				.04		.75



DRILL HOLE : FAGA216  
NORTHING : 904,709.2  
EASTING : 592,288.5  
ELEVATION : 1,273.8  
TOTAL DEPTH : 429.1  
SECTION : W 68  
R.F.E. : S2  
RFE DIRECTION: 230  
PLUNGE ANGLE : 11  
PLUNGE DIRECT: 312  
DHD CALC: 1  
SS CALC: 1

## DETAIL RECORD COUNTS:

NOS GRE-SAMPLES: 46  
NOS DOWN-H-SURVEYS: 6  
NOS DOWN-H-LITHCLOGY: 119  
NOS DOWN-H-STRUCTURE: 126  
NOS DOWN-H-FAULTS: 47  
NOS DOWN-H-SPLINES: 6  
NOS COMPOSITES: 0





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DOWN-HOLE SURVEYS (DHO20)

PAGE: 18

DDH: FAGA216 UTM-N: 904,709.2 UTM-E: 592,288.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
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	176.500	70.000
121.900	173.500	57.000
304.800	167.500	75.000
365.800	167.000	87.000
426.700	168.000	66.000

DDH: FAGA216 UTM-N: 904,709.2 UTM-E: 592,288.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
20.1	OC01	#		0.5-	1
26.4	OC02	5B62		0.5-	1
35.1	OC03	5B6	80 (5A6) MINOR	0.5-	1
38.2	OC04	5A6	80	0.5-	1
49.1	OC05	5B6	8C (10Q0) MINOR	0.5-	1
49.6	OC06	5B62	89	0.5-	1
52.2	OC07	5B0	[5B35]	0.5-	1
53.4	OC08	5A19	(4A0) T.O.I.	0.5-	1
58.1	OC09	5C3		0.5-	1
61.5	OC10	5B0		0.5-	1
62.2	OC11	5C3		0.5-	1
72.2	OC12	5EC	(5C3) MINOR C.O.I.	0.5-	1
73.9	OC13	5B3	82	0.5-	1
78.0	OC14	5B6	82 80	0.5-	1
90.6	OC15	5B62	(5A6) 90:10	0.5-	1
109.2	OC16	5A6	8C (5A19)	0.5-	1
113.2	OC17	5B3	(5A3)	0.5-	1
114.5	OC18	5A6	80	0.5-	1
115.1	OC19	5A3	(5D3)	0.5-	1
127.4	OC20	5A1	89 (5D0 & 1 89) MINOR	0.5-	1
128.5	OC21	5DC	.	0.5-	1
129.5	OC22	5AC		0.5-	1
132.4	OC23	5A19	(5A61) T.O.I. -> 4AC	0.5-	1
146.2	OC24	5A10	(5D0)	0.5-	1
151.7	OC25	5B0		0.5-	1
154.3	OC26	5B20		0.5-	1
156.9	OC27	5A3	(5B3) GOUGE	0.5-	1
157.9	OC28	5AC	(5D0) MINOR	0.5-	1
160.3	OC29	10Q0	(5A0) 80:20	0.5-	1
161.6	OC30	5A90	(5D0) 92:08	0.5-	1
162.7	OC31	5A61	89	0.5-	1
171.8	OC32	5A61	9 (5B629) GOUGE	0.5-	1
175.9	OC33	5B62	81 89 "WEASEL ROCK"	0.5-	1
176.7	OC34	4E18	(4H14) (4L0)	0.5-	1
177.3	OC35	4L14		0.5-	1
177.9	OC36	4E17	8 (4L )	0.5-	1
179.5	OC37	4L7		0.5-	1
181.0	OC38	5A69	(4L7)	0.5-	1
184.7	OC39	5A6	(10Q#)	0.5-	1
187.0	OC40	5B62	(10Q*) MINOR	0.5-	1
188.3	OC41	5A3	(10Q*) MINOR T.O.I.	0.5-	1
189.6	OC42	4C7*	(5A6) (4LC) (10QC)	0.5-	1
190.7	OC43	5A19	(4L7)	0.5-	1
191.3	OC44	4C68	* 3 (4E8) [4E168 (4E8)]	0.5-	1
193.4	OC45	4C83	9* (4E8) 80:20 [4E189* (4E8)]	0.5-	1
193.8	OC46	4G41	8#	0.5-	1
194.7	OC47	4E14	8*	0.5-	1
195.5	OC48	4C83	9*	0.5-	1
196.6	OC49	4E6	8* (4LC) (4CC)	0.5-	1
197.3	OC50	5A19	(4E4) (5B4) 43:14:43	0.5-	1
201.5	OC51	4E1	68* (4D4) (4LC) MINOR	0.5-	1

DDH: FAGA216 UTM-N: 9C4,709.2 UTM-E: 592,288.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHM CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
204.0	OC52	4E14	8*	0.5-	1
204.8	OC53	4L14		0.5-	1
205.7	0054	4E64	8* (4L*) 90:10	0.5-	1
207.4	0055	4A1	(4L1*) 75:25	0.5-	1
208.4	0056	4E64	8* (4048) 80:20	0.5-	1
208.8	0057	4L48	(4E8) C.O.I.	0.5-	1
209.5	OC58	4E16	48#	0.5-	1
211.4	OC59	4E8*	(10Q*)	0.5-	1
212.1	OC60	4C78	3[4E178]. (4HC) E.O.I. 85:15	0.5-	1
215.3	OC61	5A19	(10Q*) (5D0) 91:06:03	0.5-	1
215.8	OC62	4GE	# (4E0) E.O.I. (4L1)	0.5-	1
216.4	OC63	4L1	(5A0) T.O.I. 85:15	0.5-	1
217.7	OC64	4E16	8*	0.5-	1
219.0	OC65	5A3	81 89 (5D0) E.O.I. 85:15	0.5-	1
221.7	OC66	4G*	81 (4E18)	0.5-	1
222.2	OC67	5AC	(10Q0)	0.5-	1
224.1	OC68	4E16	8# (4L0) (5A0)	0.5-	1
224.6	OC69	4L4		0.5-	1
225.1	OC70	4E8	* (4L4) 40:60	0.5-	1
228.1	OC71	4A13	(4A14) T.O.I.	0.5-	1
228.6	OC72	4G8	(4C3) T.O.I. (5C*4) C.O.I.	0.5-	1
235.8	OC73	5B32	84 (5C3) MINOR C.O.I.	0.5-	1
236.6	OC74	4C0	(4L0)	0.5-	1
237.1	OC75	4L3		0.5-	1
237.7	OC76	4G4	(4E4) E.O.I. 85:15	0.5-	1
239.7	OC77	4A1	(5C4*) MINOR T.O.I.	0.5-	1
240.6	OC78	4A1	(4C0) 90:10	0.5-	1
241.9	OC79	4A1		0.5-	1
243.0	OC80	4A1	(4G4*) 82:18	0.5-	1
243.8	OC81	4E1	(4G4*8)	0.5-	1
244.3	OC82	4C3	(4L0) MINOR E.O.I.	0.5-	1
246.3	OC83	4C83	(4L0)	0.5-	1
247.4	OC84	4E16	8#	0.5-	1
249.3	OC85	4E1	(4H0)(10Q0)(5A9)SHEARED 50X4EH	0.5-	1
250.0	OC86	5A6	8C 89	0.5-	1
261.5	OC87	5A6	(5A19)	0.5-	1
264.3	OC88	5A19	[4A0]	0.5-	1
265.3	OC89	5A6	(5A19)	0.5-	1
268.2	OC90	5A19	[4A0]	0.5-	1
285.9	OC91	5A6		0.5-	1
288.7	OC92	5A1	89 (5A6)	0.5-	1
302.3	OC93	5A6		0.5-	1
305.6	OC94	5A3	GOUGE	0.5-	1
308.4	OC95	5A6	(5D0) 90:10	0.5-	1
313.9	OC96	5A6	SHEARED	0.5-	1
315.3	OC97	5AC	(5040)	0.5-	1
318.8	OC98	4LC	87	0.5-	1
324.7	OC99	4L6	(3G8 84)	0.5-	1
331.0	O100	3GC	88 84	0.5-	1
349.8	O101	5DC	810	0.5-	1
354.6	O102	4LC	87	0.5-	1

21FEB84 GRUM

## DOWN-HOLE LITHOLOGY (DH020)

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DDH: FAGA216 UTM-N: 964,709.2 UTM-E: 592,238.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
362.2	0103	4LC	(3G4) 60:40	0.5-	1
366.6	0104	4L4	81	0.5-	1
367.4	0105	4LA	BIO	0.5-	1
370.1	0106	4LC		0.5-	1
373.2	0107	3GC		0.5-	1
391.1	0108	3EC	86	0.5-	1
389.8	0109	3GC	(3G9 83) (3D3 BIO)	0.5-	1
390.4	0110	1000		0.5-	1
394.7	0111	5B62	80	0.5-	1
407.1	0112	5A3	89	0.5-	1
411.0	0113	5A6	80 (500)	0.5-	1
417.8	0114	5A3	80 (500) (1000)	0.5-	1
418.9	0115	5A6	GOUGE	0.5-	1
420.0	0116	3D3	(5A6) GOUGE	0.5-	1
425.4	0117	3D3	(4L1) BIO	0.5-	1
427.1	0118	3D6	(10E9)	0.5-	1
429.1	0119	100	(4L1)	0.5-	1

DDH: FAGA216 UTM-N: 904,709.2 UTM-E: 592,288.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
 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	DHCC	SDC	PROCESS
FAGA216	0.C	20.9	CS2	Z	0	0	0	G	70	230	C		1	1	1
FAGA216	0.C	27.2	PS2	P	0	0	0	G	30	230	G		1	1	1
FAGA216	0.C	29.5	PS2	P	C	C	0	0	25	230	C		1	1	1
FAGA216	0.G	35.3	CS2	S	0	0	0	C	50	230	C		1	1	1
FAGA216	0.C	38.5	CS2		0	0	0	0	90	230	C		1	1	1
FAGA216	0.C	40.0	CS2	Z	0	0	0	G	75	230	0		1	1	1
FAGA216	0.C	40.5	CS2	E	0	0	0	C	70	230	C		1	1	1
FAGA216	0.C	42.1	CS2	Z	0	0	0	0	60	230	C		1	1	1
FAGA216	0.G	42.8	CS2	3	C	0	0	0	65	230	C		1	1	1
FAGA216	0.C	46.5	CS2	Z	0	0	0	C	65	230	C		1	1	1
FAGA216	0.C	50.4	CS2	S	0	0	0	G	80	230	C		1	1	1
FAGA216	0.C	53.0	CS2		0	0	0	0	90	230	C		1	1	1
FAGA216	0.0	55.3	PS2	P	0	0	0	0	75	230	C		1	1	1
FAGA216	0.C	59.6	CS2	Z	0	0	0	C	70	230	C		1	1	1
FAGA216	0.C	62.4	CS2	Z	0	0	0	C	70	230	C		1	1	1
FAGA216	0.C	64.2	CS2	E	0	0	0	C	60	230	0		1	1	1
FAGA216	0.C	70.0	CS2	Z	0	0	0	C	75	230	C		1	1	1
FAGA216	0.C	72.3	CS2	S	0	0	0	0	75	230	C		1	1	1
FAGA216	0.G	74.5	CS2	S	0	0	0	C	70	230	C		1	1	1
FAGA216	0.C	78.3	CS2	S	0	0	0	G	75	230	C		1	1	1
FAGA216	0.G	83.1	CS2	E	0	0	0	0	80	230	0		1	1	1
FAGA216	0.C	90.6	PS2	P	0	0	0	0	55	230	C		1	1	1
FAGA216	0.C	100.3	PS2	P	0	0	0	C	75	230	C		1	1	1
FAGA216	0.C	105.4	CS2	S	0	0	0	0	75	230	C		1	1	1
FAGA216	0.C	110.2	CS2	Z	0	0	0	C	75	230	0		1	1	1
FAGA216	0.C	111.6	CS2	E	0	0	0	0	75	230	C		1	1	1
FAGA216	0.C	114.9	CS2	E	0	0	0	0	75	230	C		1	1	1
FAGA216	0.0	117.5	CS2		0	0	0	G	90	230	0		1	1	1
FAGA216	0.G	121.3	CS2		0	0	0	0	90	230	C		1	1	1
FAGA216	0.0	122.9	CS2	S	0	0	0	0	75	230	0		1	1	1
FAGA216	0.C	127.9	CS2	S	0	0	0	C	55	230	C		1	1	1
FAGA216	0.G	130.7	CS2	E	0	0	0	0	70	230	C		1	1	1
FAGA216	0.C	133.8	CS2	S	0	0	0	C	65	230	C		1	1	1
FAGA216	0.C	140.6	CS2	3	C	C	0	0	75	230	0		1	1	1
FAGA216	0.C	142.1	CS2	S	0	0	0	C	75	230	C		1	1	1
FAGA216	0.C	146.2	CS2	S	0	0	0	0	65	230	0		1	1	1
FAGA216	0.C	146.9	CS2	S	0	0	0	C	60	230	C		1	1	1
FAGA216	0.C	150.3	CS2	S	0	0	0	C	75	230	0		1	1	1
FAGA216	0.C	151.9	CS2	E	0	0	0	0	70	230	C		1	1	1
FAGA216	0.C	153.7	CS2	S	0	0	0	C	70	230	0		1	1	1
FAGA216	0.C	157.9	CS2	E	0	0	0	C	75	230	C		1	1	1
FAGA216	0.C	159.9	CS2	Z	0	0	0	C	75	230	0		1	1	1
FAGA216	0.C	162.3	CS2	S	0	0	0	0	60	230	C		1	1	1
FAGA216	0.C	164.6	CS2	E	0	0	0	C	60	230	C		1	1	1
FAGA216	0.C	167.2	CS2	S	0	0	0	C	60	230	0		1	1	1
FAGA216	0.C	174.3	CS2	S	0	0	0	0	75	230	C		1	1	1
FAGA216	0.C	176.0	PS2	P	0	0	0	C	40	230	C		1	1	1
FAGA216	0.C	177.0	CS2	S	0	0	0	0	60	230	C		1	1	1
FAGA216	0.C	179.7	CS2	M	0	0	0	C	80	230	C		1	1	1
FAGA216	0.C	181.2	CS2	S	0	0	0	0	65	230	C		1	1	1
FAGA216	0.C	183.9	CS2	M	0	0	0	C	65	230	C		1	1	1

DDH: FAGA216 UTM-N: 904,709.2 UTM-E: 592,288.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
 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
FAGA216	0.C	186.1	CS2	S	0	0	0	0	C	65	230	C	1	1	1	1	1	1
FAGA216	0.C	188.6	CS2	3	0	0	0	0	C	60	230	C	1	1	1	1	1	1
FAGA216	0.C	190.5	CS2	3	0	0	10	210	70	230	0	1	1	1	1	1	1	1
FAGA216	0.C	191.1	PS2	P	0	0	0	0	C	60	230	C	1	1	1	1	1	1
FAGA216	0.C	195.3	PS2	P	0	0	0	0	C	60	230	C	1	1	1	1	1	1
FAGA216	0.C	197.0	CS2	Z	0	0	0	0	C	60	230	C	1	1	1	1	1	1
FAGA216	0.C	201.5	PS2	P	0	0	0	0	C	65	230	C	1	1	1	1	1	1
FAGA216	0.C	203.8	PS2	F	0	0	0	0	0	65	230	C	1	1	1	1	1	1
FAGA216	0.C	208.5	PS2	P	0	0	0	0	0	75	230	0	1	1	1	1	1	1
FAGA216	0.C	212.2	CS2	E	0	0	0	0	0	55	230	0	1	1	1	1	1	1
FAGA216	0.C	213.7	CS2	E	0	0	0	0	C	60	230	C	1	1	1	1	1	1
FAGA216	0.C	215.6	PS2	P	0	0	0	0	C	45	230	C	1	1	1	1	1	1
FAGA216	0.C	217.9	CS2	Z	0	0	0	0	C	60	230	C	1	1	1	1	1	1
FAGA216	0.C	218.1	CS2	Z	0	0	0	0	C	55	230	0	1	1	1	1	1	1
FAGA216	0.C	219.1	CS2	E	0	0	0	0	0	55	230	C	1	1	1	1	1	1
FAGA216	0.C	221.3	PS2	P	0	0	0	0	C	65	230	C	1	1	1	1	1	1
FAGA216	0.C	224.3	PS2	P	0	0	0	0	0	50	230	0	1	1	1	1	1	1
FAGA216	0.C	226.8	CS2	Z	0	0	0	0	0	75	230	C	1	1	1	1	1	1
FAGA216	0.C	229.3	CS2		0	0	0	0	C	90	230	0	1	1	1	1	1	1
FAGA216	0.C	232.3	CS2		0	0	0	0	C	90	230	0	1	1	1	1	1	1
FAGA216	0.C	238.4	PS2	P	0	0	0	0	0	70	230	C	1	1	1	1	1	1
FAGA216	0.C	240.8	PS2	P	0	0	0	0	C	70	230	C	1	1	1	1	1	1
FAGA216	0.C	243.4	PS2	P	0	0	0	0	C	60	230	C	1	1	1	1	1	1
FAGA216	0.C	246.4	PS2	P	0	0	0	0	C	65	230	0	1	1	1	1	1	1
FAGA216	0.C	249.7	PS2	P	0	0	0	0	0	70	230	C	1	1	1	1	1	1
FAGA216	0.C	251.8	CS2	S	0	0	0	0	0	80	230	C	1	1	1	1	1	1
FAGA216	0.C	257.1	PS2	P	0	0	0	0	0	80	230	C	1	1	1	1	1	1
FAGA216	0.C	259.6	CS2	S	0	0	0	0	0	75	230	0	1	1	1	1	1	1
FAGA216	0.C	260.7	CS2	S	0	0	0	0	C	75	230	C	1	1	1	1	1	1
FAGA216	0.C	263.3	CS2	D	0	0	0	0	C	70	230	C	1	1	1	1	1	1
FAGA216	0.C	267.1	CS2	S	0	0	0	0	C	70	230	0	1	1	1	1	1	1
FAGA216	0.C	272.7	PS2	P	0	0	0	0	C	75	230	0	1	1	1	1	1	1
FAGA216	0.C	276.3	CS2	S	0	0	0	0	0	75	230	0	1	1	1	1	1	1
FAGA216	0.C	280.0	CS2	S	0	0	0	0	C	75	230	C	1	1	1	1	1	1
FAGA216	0.C	285.9	PS2	P	0	0	0	0	C	65	230	C	1	1	1	1	1	1
FAGA216	0.C	288.6	CS2	S	0	0	0	0	C	75	230	C	1	1	1	1	1	1
FAGA216	0.C	291.3	PS2	P	0	0	0	0	C	70	230	C	1	1	1	1	1	1
FAGA216	0.C	293.6	CS2	S	0	0	0	0	C	55	230	0	1	1	1	1	1	1
FAGA216	0.C	306.4	PS2	P	0	0	0	0	0	65	230	C	1	1	1	1	1	1
FAGA216	0.C	307.6	CS2	Z	0	0	0	0	C	75	230	C	1	1	1	1	1	1
FAGA216	0.C	313.2	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	1
FAGA216	0.C	316.2	PS2	P	0	0	0	0	C	80	230	C	1	1	1	1	1	1
FAGA216	0.C	319.7	PS2	P	0	0	0	0	C	75	230	C	1	1	1	1	1	1
FAGA216	0.C	323.2	CS2	Z	0	0	0	0	C	75	230	C	1	1	1	1	1	1
FAGA216	0.C	324.7	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	1
FAGA216	0.C	329.6	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	1
FAGA216	0.C	331.7	CS2	3	0	0	0	0	C	75	230	C	1	1	1	1	1	1
FAGA216	0.C	333.3	CS2	3	0	0	0	0	C	75	230	C	1	1	1	1	1	1
FAGA216	0.C	337.5	PS2	P	0	0	0	0	C	60	230	0	1	1	1	1	1	1
FAGA216	0.C	340.4	CS2		0	0	0	0	C	90	230	C	1	1	1	1	1	1
FAGA216	0.C	342.8	CS2		0	0	0	0	C	90	230	C	1	1	1	1	1	1

21FE684 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 24

DDH: FAGA216 UTM-N: 904,709.2 UTM-E: 592,288.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DMD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SG	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGA216	0.0	344.2	CS2	E		0	0	0	C		75	230	C			1	1	1
FAGA216	0.0	347.4	CS2	3		0	0	0	C		65	230	0			1	1	1
FAGA216	0.0	350.0	PS2	P		C	C	0	C		75	230	C			1	1	1
FAGA216	0.0	352.9	PS2	P		C	C	0	C		75	230	C			1	1	1
FAGA216	0.0	359.0	PS2	P		0	0	C	C		65	230	0			1	1	1
FAGA216	0.0	361.0	CS2	3		0	0	0	0		65	230	C			1	1	1
FAGA216	0.0	368.0	PS2	P		C	0	0	C		75	230	0			1	1	1
FAGA216	0.0	371.0	PS2	P		0	0	0	0		75	230	C			1	1	1
FAGA216	0.0	373.6	CS2	S		C	0	0	0		75	230	0			1	1	1
FAGA216	0.0	378.1	PS2	P		0	0	0	0		75	230	C			1	1	1
FAGA216	0.0	380.0	PS2	P		0	0	0	C		65	230	0			1	1	1
FAGA216	0.0	384.0	PS2	P		0	0	C	C		65	230	C			1	1	1
FAGA216	0.0	386.3	PS2	P		0	0	0	C		75	230	C			1	1	1
FAGA216	0.0	389.0	PS2	P		0	0	0	0		75	230	0			1	1	1
FAGA216	0.0	391.7	PS2	P		0	0	0	C		70	230	C			1	1	1
FAGA216	0.0	398.7	PS2	P		0	0	0	0		70	230	C			1	1	1
FAGA216	0.0	403.8	PS2	P		0	0	0	C		70	230	0			1	1	1
FAGA216	0.0	406.0	CS2	Z		0	0	0	0		80	230	C			1	1	1
FAGA216	0.0	408.6	CS2	S		0	0	0	0		70	230	0			1	1	1
FAGA216	0.0	411.4	CS2	S		0	0	0	C		75	230	C			1	1	1
FAGA216	0.0	413.2	CS2			0	0	0	C		90	230	0			1	1	1
FAGA216	0.0	418.2	PS2	P		0	0	0	0		75	230	0			1	1	1
FAGA216	0.0	423.2	PS2	P		0	0	0	C		65	230	0			1	1	1
FAGA216	0.0	426.7	PS2	P		0	0	0	C		55	230	C			1	1	1

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## DOWN-HOLE FAULTS (DHO20)

PAGE: 25

DDH: FAGA216 UTM-N: 904,709.2 UTM-E: 592,288.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	D-D			
FAGA216	0.0	21.8	1Q				0	0	C	0	1		
FAGA216	26.4	26.8	G				0	0	C	0	1		
FAGA216	32.3	34.1	PG		C		0	0	C	0	1		
FAGA216	39.0	39.3	G				0	0	20	15C	0	1	
FAGA216	55.0	57.1	JXQ				0	0	1	90	0	1	
FAGA216	0.0	67.4	1G				0	0	C	C	0	1	
FAGA216	78.6	82.0	MP		1		0	0	C	C	0	1	
FAGA216	84.7	86.7	P		0		0	0	C	C	0	1	
FAGA216	91.4	93.8	P		2		0	0	0	C	0	1	
FAGA216	93.8	96.4	GP		3		0	0	0	C	0	1	
FAGA216	0.0	141.4	1G				0	0	99	999	0	1	
FAGA216	144.8	145.7	G				0	0	0	C	0	1	
FAGA216	0.0	147.8	1G				0	0	99	999	0	1	
FAGA216	154.3	156.9	SG				0	0	3C	C	0	1	
FAGA216	157.9	160.3	Q				0	0	99	999	0	1	
FAGA216	146.9	163.5	1JQ				0	0	2C	27C	0	1	
FAGA216	0.0	166.2	1S				0	0	99	999	0	1	
FAGA216	166.8	167.0	1S				0	0	0	C	0	1	
FAGA216	168.0	170.1	GPS		1		0	0	C	C	0	1	
FAGA216	171.9	174.0	BG				0	0	C	C	0	1	
FAGA216	174.3	174.6	S				0	0	C	C	99	999	1
FAGA216	0.0	223.1	1S				0	0	99	999	0	1	
FAGA216	231.0	231.2	S				0	0	6C	150	0	1	
FAGA216	235.8	236.1	Q				0	0	C	0	0	1	
FAGA216	0.0	249.1	1S				0	0	99	999	0	1	
FAGA216	281.4	281.6	G?				0	0	C	0	0	1	
FAGA216	282.9	283.4	G				0	0	0	C	0	1	
FAGA216	0.0	288.9	1G				0	0	0	C	0	1	
FAGA216	299.3	300.5	G				0	0	0	C	0	1	
FAGA216	302.3	304.8	G				0	0	0	C	0	1	
FAGA216	304.8	305.7	S				0	0	45	33C	0	1	
FAGA216	308.2	309.0	SG				0	0	0	C	0	1	
FAGA216	310.8	312.4	SG				0	0	99	999	0	1	
FAGA216	0.0	315.2	1G				0	0	0	C	99	999	1
FAGA216	299.3	315.2	F				0	0	0	C	0	1	
FAGA216	0.0	335.6	1G				0	0	0	C	0	1	
FAGA216	0.0	361.6	1G				0	0	99	999	0	1	
FAGA216	0.0	363.3	1G				0	0	0	C	0	1	
FAGA216	0.0	367.5	1S				0	0	99	999	0	1	
FAGA216	0.0	377.7	1S				0	0	0	C	0	1	
FAGA216	379.3	379.8	G				0	0	0	C	0	1	
FAGA216	389.8	390.4	Q				0	0	99	999	0	1	
FAGA216	395.0	412.8	1JQ				0	0	90	C	0	1	
FAGA216	414.4	417.8	BG				0	0	0	C	0	1	
FAGA216	418.5	420.3	G				25	90	0	C	45	90	1
FAGA216	423.3	423.7	G				45	90	0	C	0	1	
FAGA216	426.3	426.6	S				0	0	0	C	0	1	

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DOWN-HOLE SPLINES (DH020)

PAGE: 26

DDH: FAGA216 UTM-N: 904,709.2 UTM-E: 592,288.5 UTM-ELEV: 1,273.8 TOTAL DEPTH: 429.1 SECTION: W 68  
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA216	1	2
FAGA216	2	2
FAGA216	3	2
FAGA216	4	2
FAGA216	5	2
FAGA216	6	1

DDM	SAMPLE	----DEPTHS----		INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PO+PY	ZN
		FROM	TO	M	X	UNIT		X	X	X	G/MT	G/MT	X	X	X	X	X	RATIO
FAGA216	12331	175.9	176.7	.8	87	4E18		.28	1.23	.99	27.0					2.22		.45
	12332	176.7	177.9	1.2	92	4LE		.26	1.17	.68	22.0					1.85		.37
	12333	188.3	189.6	1.3	92	4C7*		.07	.49	.51	15.0					1.00		.51
	12334	190.7	191.3	.6	100	4C68	4.02	.30	1.16	.93	26.0	1.58	7.91	24.60		2.09	32.51	.44
	12335	191.3	193.4	2.1	95	4C8*	3.90	.30	2.13	2.60	31.0	.82	11.10	18.40		4.73	29.50	.55
	12336	193.4	194.7	1.3	92	4E6*	4.05	.36	3.30	3.10	46.0	.96	10.36	18.80		6.40	29.16	.48
	12337	194.7	195.5	.8	100	4D8*	3.81	.23	2.50	2.90	37.0	.96	9.30	18.00		5.40	27.30	.54
	12338	195.5	196.6	1.1	91	4E6*	3.62	.32	.88	.70	22.0	.82	7.77	17.80		1.58	25.57	.44
	12339	196.6	197.3	.7	100	5A19	2.92	.08	.21	.14	10.0	.41	1.39	2.45		.35	3.84	.40
	12340	197.3	199.4	2.1	95	4E1*	3.00	.25	1.44	1.41	29.0	.75	10.26	20.10		2.85	30.36	.49
	12341	199.4	201.5	2.1	95	4E1*	3.65	.22	1.11	1.10	19.0	.89	8.32	16.60		2.21	24.92	.50
	12342	201.5	204.0	2.5	92	4E1*	3.94	.19	2.80	2.40	34.0	.69	8.65	17.80		5.20	26.45	.46
	12343	204.0	205.7	1.7	94	4EL	3.45	.14	1.21	.71	20.0	.75	4.09	14.70		1.92	18.79	.37
	12344	205.7	207.4	1.7	94	4A1	3.19	.17	.21	.26	8.0	.96	2.91	12.90		.47	15.81	.55
	12345	207.4	208.4	1.0	90	4E6*	3.94	.18	1.45	1.45	25.0	.96	6.12	23.30		2.90	29.42	.50
	12346	208.4	208.8	.4	100	4L48	3.38	.17	1.96	1.71	28.0	.89	5.79	11.10		3.67	16.89	.47
	12347	208.8	209.5	.7	86	4E16	3.82	.17	3.30	3.20	43.0	.89	7.55	18.40		6.50	25.95	.49
	12348	209.5	211.4	1.9	95	4E8*	3.85	.34	1.47	1.20	25.0	.82	8.40	22.50		2.67	30.90	.45
	12349	211.4	212.1	.7	100	4C78	3.90	.35	.80	.56	18.0	.89	13.05	20.60		1.36	33.65	.41
	12350	215.3	215.8	.5	100	4G8#	3.86	.25	1.10	.80	19.0	.41	10.10	22.90		1.90	33.00	.42
	12351	216.4	217.7	1.3	92	4E16		.21	.96	.58	18.0					1.54		.38
	12352	219.0	220.3	1.3	92	4G+8		.34	.80	.52	15.0					1.32		.39
	12353	220.3	221.7	1.4	100	4G+8		.24	.92	.38	16.0					1.30		.29
	12354	222.2	224.1	1.9	95	4E16		.21	1.24	1.17	21.0					2.41		.49
	12355	224.1	224.6	.5	80	4L4		.14	.33	.36	10.0					.69		.52
	12356	224.6	225.1	.5	100	4EL		.22	.26	.33	7.0					.59		.56
	12357	225.1	226.6	1.5	93	4A13	4.53	.25	2.01	1.75	36.0	.55	8.10	20.10		3.76	28.20	.47
	12358	226.6	228.1	1.5	93	4A13	4.53	.25	2.01	1.75	36.0	.55	8.10	20.10		3.76	28.20	.47
	12359	228.1	228.6	.5	80	4G48	3.66	.26	2.80	4.10	45.0	.62	3.97	11.80		6.90	15.77	.59
	12360	235.8	236.6	.8	100	4C0	3.35	.21	1.08	1.17	19.0	.41	4.86	12.00		2.25	16.86	.52
	12361	237.1	237.7	.6	100	4G4	4.18	.13	6.50	6.40	94.0	.96	2.80	16.70		12.90	19.50	.50
	12362	237.7	239.7	2.0	95	4A1	3.28	.24	.31	.27	9.0	.69	1.81	16.10		.58	17.91	.47
	12363	239.7	240.6	.9	89	4A1	3.23	.16	1.21	1.13	17.0	.48	4.29	11.50		2.34	15.79	.48
	12364	240.6	241.9	1.3	100	4A1	3.25	.19	.16	.22	7.0	.69	2.65	13.80		.38	16.45	.58
	12365	241.9	243.0	1.1	91	4A1	3.37	.14	2.13	2.80	33.0	.75	1.93	15.30		4.93	17.23	.57
	12366	243.0	243.8	.8	88	4E1	4.14	.14	.36	.26	14.0	1.17	3.60	29.90		.62	33.50	.42
	12367	243.8	244.3	.5	80	4C3	3.61	.22	1.55	.41	32.0	.89	2.98	17.20		1.96	20.18	.21
	12368	244.3	246.3	2.0	95	4C23	3.43	.20	1.18	.87	22.0	.55	6.52	12.40		2.05	18.92	.42
	12369	246.3	247.4	1.1	91	4E16	3.65	.22	.76	.73	18.0	.82	8.68	16.90		1.49	25.58	.49
	12370	247.4	249.3	1.9	95	4E1	3.11	.13	.58	.61	12.0	.21	5.18	9.10		1.19	14.28	.51
	12371	261.5	262.9	1.4	100	5A19		.01	.02	.03	4.0					.05		.60
	12372	262.9	264.3	1.4	93	5A19		.01	.01	.03	4.0					.04		.75
	12373	265.3	266.8	1.5	93	5A19		.01	.01	.01	5.0					.02		.50
	12374	266.8	268.2	1.4	100	5A19		.01	.01	.02	4.0					.03		.67
	12375	362.2	364.4	2.2	95	4L4		.03	.19	.40	5.0					.59		.68
	12376	364.4	366.6	2.2	95	4L4		.01	.01	.03	4.0					.04		.75



DIAMOND DRILL CORE LOG

Date: Oct. 21/81

Hole Number: FACA 216 (81-A216)

Project: 1981 GRUM DRILLING

Location: -YANGORDA PLATEAU

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

UTM Ferr. Plane Co-ords.: 6904709.2 N

1592288.5 E

Grid Co-ords: 68W

3S

Elevation: 1273.8 m

Total Depth: 429.1 m

Purpose: To test fold style hypotheses at depth.

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

Logged by: RST

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

Drilling Contractor: Arctic Diamond Drilling Ltd

Size	CORE From	To
<u>NQ</u>	<u>20.1</u>	<u>429.1</u>

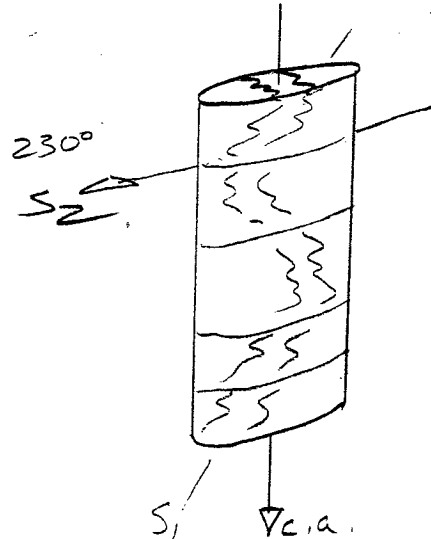
Collar Cased and Capped: \_\_\_\_\_

Hole Cemented: No

Steel down hole: No

Started: Sept. 12/81 Completed: Sept 22/81

Reference Fabric Orientation Diagram:



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230°.

C.A.M.C. Mine Survey



Code	From	To	Recov.	No.	Unit	Description
L	10 14 16 20 22 24 26 28 30 34 35			1	X	Overburden & casing
L	20 1	26 4		2	5B,62	Narrow partings on S2 minor qtz ver. 21.8 (0.2m)
L	26 4	35 1		3	5B,6	±3(SA6) weakly calcareous hardly react to 10% HCl Gauged possibly driller's good zones 26.4-26.8, 32.3-34.1 (0.1m Rec) after 34.1 weak calc filled fractures //ca. SA6 as distinct <0.2m bands over last 1.5m.
L	35 1	38 2		4	5A,6	±3 Good black SA weakly calc in places. last metre driller broken?
L	38 2	49 1		5	5B,6	±3(OQO) Grey phyllite. minor qtz veining @ 41.2-41.5, 43.2(0.1m), 47.9(0.1m), 49.0 //S2 Gauge 39.0-39.3 X cuts S2 @ high L see E.4.s.
L	49 1	49 6		6	5B,62	±9 minor py in narrow qtz lenses //S2
L	49 6	52 2		7	5B,35	laminated weakly calc.
L	52 2	53 4		8	5A,19	(4A0) transitional zone with 4A0 pyritic developed near top of unit over 0.5m. <span style="float:right">thinly laminated</span>
L	53 4	58 1		9	5C,3	weakly calcareous. 55.0-57.1 calc. fracture //c.a.
L	58 1	61 5		10	5B,3	±2 minor carbonaceous bands variably strong - weakly reactive to 10% regurgitated lizard spit.
L	61 5	62 2		11	5C,3	minor fuchsite spots developed.
L	62 2	72 2		12	5B,0	(5C3) weakly calc. grey phyllite. narrow interband of 5C3 @ 57.5-57.9. m. calc veinlets //ca. driller's good 62.4. Next 4m is transitional one to next.
L	72 2	73 9		13	5B,3	±2 strongly calcareous. minor calc veins //ca.
L	73 9	78 6		14	5B,6	±2±3 weakly calcareous in places
L	78 6	90 6		15	5B,62	(SA6) minor narrow <1m bands SA 10% of unit 78.6-82.0 (0.6m Rec. mismatch), 84.7-86.7 (0.1m Rec), minor calc veinlets //ca.
L	90 6	109 2		16	5A,6	±3(SA19) minor bands especially from 104m on with lensy qtz //S2 minor py 10% of unit. gauge 93.8-96.4 (0.8m rec) no orientation poss. 91.4-93.8 (0.6m rec)?

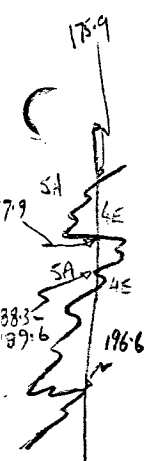
Lithologic Log

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

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

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	1,092	1,132								17	S.B.3	(5A3) strongly calcareous 4 narrow interbands < 0.1m of 5A3.
L	1,132	1,145								18	5A.6	±3 weakly calcareous in places
L	1,145	1,161								19	5A.3	(5D3) strongly calcareous laminated. 4 narrow lenses < 0.1m of 5D3
L	1,161	1,274								20	5A.1	±9 (SD±1±9) black siliceous SA. with minor separate qtz laminae with py. SD bands @ 118.4 (6.3m), and 6 others < 0.05m variably siliceous and pyritic. Minor thin calc fractures
L	1,274	1,285								21	5D.3	weakly calcareous with minor grey phylite lams.
L	1,285	1,295								22	5A.3	weakly to strongly calcareous. Qtz vein lower cut.
L	1,295	1,324								23	5A.19	(5A.61) 5A.61 over 1st 0.8m good black. 5A.19 ⇒ transitional to 4A0 with only minor pyrite over last part of unit
L	1,324	1,462								24	5A.13	(5D3) weakly calcareous with a few strongly calc intervals. 5D3 as narrow bands < 0.1m @ 135.9, 141.5, 142.0, 143.9; Gorge @ 141.4, 144.8-145.7
L	1,462	1,517								25	5B.3	weakly to strongly calcareous Gorge @ 147.8 (0.1m) // S2 w. hairline frac // ca CO <sub>2</sub> filled.
L	1,517	1,543								26	5B.3.2	weakly to strongly calc. hairline CO <sub>2</sub> filled frac // ca.
L	1,543	1,569								27	5A.3	(5B3) strongly calc. shear and gorge zone 30° to ca.
L	1,569	1,579								28	5A.3	(5D3) weakly to strongly calc. Minor 5D3 (0.1m) over last part of unit.
L	1,579	1,603								29	10.0.0	(5A3) Qtz vein w/ 80% prob in shear zone sub // S2?
L	1,603	1,616								30	5A.3.9	(5D3) weakly calc. SA minor py. 0.1m 5D3 at end of unit.
L	1,616	1,627								31	5A.6.1	±9 minor py in well separated qtz laminae calc in fractures // ca.
L	1,627	1,718								32	5A.6.1	9 (5B62.9); transitional unit banded SA (not good black SA) ⇒ 5B62.9 pyrite a minor part of unit. Minor calc in fractures sheared & gorged See E-45

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
L	1771	1778	1759			33	5B,62	±19 Though definitely not 4A has sph, gn in narrow minor qtz bands in 2 <sup>nd</sup> 1/2 of unit. Gorge @ 174.0. Shear 174.3-174.6. Sharp lower cut // S <sub>2</sub>		
L	1759	1767				34	4E,1*	8* (4H14, 4L0) The following ore sections especially in top half of ore interval are not 'type' ore facies. There is high AL, SiO <sub>2</sub> , magnetite content as laminae on S <sub>2</sub> as well as being fairly carbonate rich. 4E units have affinity with 4CD types.		
L	1767	1773				35	4L,14	fold nose		
L	1773	1779				36	4E,17	84(4L) 20% SiO <sub>2</sub> as S <sub>2</sub> bands. po replacing py at top of unit. 4L, mgte as thin S <sub>2</sub> lams		
L	1779	1795				37	4L,7	blebby po. 3'		
L	1795	1810				38	5A,6,9	(4L7) transitional unit variably altered po also as blebs in 5A		
L	1810	1847				39	5A,6	(OQ*) minor py as lenses in 5A. minor calcitic qtz veins // S <sub>2</sub> < 0.05m 10% of unit.		
L	1847	1870				40	5B,62	(OQ*) minor blebby po. minor qtz/CO <sub>2</sub> veins x cutting S <sub>2</sub> 30° to c.c.		
L	1870	1883				41	5A,3	(OQ*) minor qtz/CO <sub>2</sub> vein over 1 <sup>st</sup> 0.7m minor blebby po. on S <sub>2</sub> .		
L	1883	1896				42	4,47*	(5A6, 4L0, 000) nose of fold AC/SA contact 20° to ca. minor AL, SA at 188.3 (0.1m) and 188.9 (0.4m)		
L	1896	1907				43	5A,19	(4L7) 0.1m 4L7 @ 190.3 SA19 over 1 <sup>st</sup> 0.2m close to 4A0.		
L	1907	1913				44	4,68	*3(4E8) < 10% BaSO <sub>4</sub> ; 4E8 @ start 0.1m and as narrow bands 40% of unit. weakly calc		
L	1913	1934				45	4,48	3* (4E8) in frac. mgte as bands to 0.5cm in size. lower. 0.4m 4E8 20% mgte. reacts weakly to HCl		
L	1934	1938				46	4,4H1	8* 20% mgte 10% SiO <sub>2</sub> moderately calc. not best specimen of 4E		
L	1938	1947				47	4E,14	8* 15% SiO <sub>2</sub> ~ 10% mgte as bands.		
L	1947	1955				48	4,4,8	9* 3 cp in frac. < 10 mgte as bands 30% SiO <sub>2</sub> weakly reacts to lizard spit.		



Lithologic Log

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

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

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	1955		1966							49	4E6*	8* (4L0,4D0) thin bands of silica 10% Baso4 mgtc as bands and minor 4L0 bands.
L	1966		1973							50	5A1,9	(4E4,5B4) 196.9-197.0 4E4 band below 5B4.
L	1973		2015							51	4E11*	68* (4D4,4L0) 10% Baso4, 15-20% SiO2 as discrete bands mgtc as thin bands to 0.5cm size minor 4L bands except @ 189.1-199.3. 10% 2m band
L	2015		2040							52	4E14	8* 15% mgtc. as 0.5cm bands below 52 10% SiO2 reacts weakly to 10% HCl.
L	2040		2048							53	4L14	Sph, gn as narrow bands 2-3% Pb+Zn
L	2048		2057							54	4E64	8* (4L*) 0.1m 4L band at end of unit + narrow laminae <10% SiO2, 8% Baso4 mostly near middle of unit
L	2057		2074							55	4A1,3	(4L1*) 15% py. narrow 4L bands at 206.1 (0.1m) 206.7 (0.3m) latter poss from 5L unit.
L	2074		2084							56	4E6*	8* (4D4B) weakly calc. <10% Baso4 4D4B 207.9-208.1
L	2084		2088							57	4L48	(4E8) narrow band of 4E8 (<0.1m) in middle of unit.
L	2088		2095							58	4E1,6	48* weakly calc. 10% SiO2 10% Baso4 mgtc bands.
L	2095		2114							59	4E48	* (0Q*) distinct narrow gtz bands 10% g unit mgtc bands + 10%
L	2114		2121							60	4D78	(4H0) 0.1m band po at end of unit. sharp lower cuts
L	2121		2153							61	5A1,9	(0Q*, 5D3) minor py gtz / CO2 ven @ 212.9 & 214.4 (0.2m) with minor cp & po. 0.1m 5D3 near end of unit.
L	2153		2158							62	4G48	* (4E0), (4L1) narrow lams of 4L1 <10% 4E0 over 0.2m @ end. weakly calc
L	2158		2164							63	4L1	(5A0) broken 5A at start of unit 0.1m
L	2164		2177							64	4E16	8* 10% Baso4, 10-15% SiO2 magnetic bands
L	2177		2190							65	5A3	±19 (5D3) strongly calcareous minor py. 5D3 over last 0.2m of unit.
L	2190		2217							66	4G4*	81 (4E18) 4E as narrow bands in middle of unit and over 0.1m @ end up to 1cm bands of mgtc, Qtz as veins    S2 <10%

Code	From	To	Recov.	No.	Unit	Description
	10 14 18 20 22 24 26 28 30 34 35					
L	2,217	2,222		67	5A3	(0Q0) minor qtz veining at start of unit.
L	2,222	2,241		68	A.E.1.6	48% (4L0, 5A3) reacts readily to HCl 10% in places. 10-15% qtz < 10% BaSO <sub>4</sub> . Mgte as bands 5A3 @ 222.8-223.1 no shear zone. minor CO <sub>2</sub> dusts near start of unit.
L	2,241	2,246		69	4L4	2% Pb+Zn.
L	2,246	2,251		70	4E4	4L4 224.8-225.1 4L4, remainder with narrow 4L lamms and mgte blebs near normal 4E.
L	2,251	2,281		71	4A13	(4A14) 4A14 near start of unit rest 15% py.
L	2,281	2,286		72	4G4	(4C3, 5C4) 5C in middle < 0.1m. 4C at start 4G4 with minor mgte blebs at end 0.25m
L	2,286	2,358		73	5B32	±4 (5C3) variably but weakly altered 5B32 strongly calcareous, 5C3 as 0.1m bed 23% 0. minor aspy in 1cm vesicles 0.3m from end
L	2,358	2,366		74	4C3	(4L0) first 0.3m mostly SiO <sub>2</sub> remainder +20% py with 4L0 partings. Notable unit by high aspy content, especially @ start of unit. 5%.
L	2,366	2,371		75	4L3	5% py.
L	2,371	2,377		76	4A4	(4E4) Av last-typical units 4E4 near last 0.1m.
L	2,377	2,397		77	4A13	(5C4) narrow lamms c. 15% py 5C over 0.05m at start
L	2,397	2,406		78	4A13	(4C0) + 5% Pb+Zn. 4C0 @ 240.2 (0.1m)
L	2,406	2,419		79	4A13	ct 77
L	2,419	2,430		80	4A13	(4G4) 4A + 5% Pb+Zn 4G4 @ 242.2-242.4
L	2,430	2,438		81	A.E.1	(4G4) 10% qtz 4G4 weakly calc at last 0.1m. mgte as minor blebs.
L	2,438	2,443		82	4C0	(4L0) minor 4L near end of unit
L	2,443	2,463		83	4E4	(4L0) 4L as narrow partings.
L	2,463	2,474		84	4E1.6	8% strongly calc on 246.7-246.9 minor BaSO <sub>4</sub> @ this point also?

nb  
Au →

Case	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	2474	2493		85	A.E1	(4H0, 000, 5A9) Sheared zone pyrite $\rightarrow$ po in places 5A9 + gt veining over last 0.5 m. and @ 247.7 - 248.2
L	2493	2560		86	5A6	$\pm 3 \pm 9$ weakly calc in places and occasional m py. But good no doubts about it 5A. minor km SiO <sub>2</sub> concretions?
L	2560	2615		87	5A6	(5A19) minor narrow 5A19 bands over 1st half.
L	2615	2643		88	5A19	[4A0] would be poor - half poor lensey 4A
L	2643	2653		89	5A6	(5A19) 2 narrow 5A19 bands in middle of unit.
L	2653	2682		90	5A19	[4A0] similar to unit 88 nb minor SiO <sub>2</sub> concretions.
L	2682	2859		91	5A6	predominantly good black 5A Gouge @ 282.9 (0.4 m)
L	2859	2887		92	5A1	$\pm 9$ (5A6) minor thin siliceous bands minor py.
L	2887	3023		93	5A6	Sandy gouge at 299.3 - 300.5 see E4s Zone from 299.3 - 315.3 part of Deal Lake Fault zone.
L	3023	3056		94	5A3	Gouge zone strongly calcareous.
L	3056	3084		95	5A6	(5D3) 0.3m 5D3 @ start of unit
L	3084	3139		96	5A6	Variably sheared and abundant CO <sub>2</sub> veins see E-4. Minor pyrite
L	3139	3153		97	5A3	(5D43) weakly calc 5A 5D43 sericitic over 0.2m @ 312.7
L	3153	3188		98	4L9	$\pm 7$ minor po blebs
L	3188	3247		99	4L6	(3G8 $\pm$ 4) transitional to 3G8 $\pm$ 4
L	3247	3310		100	3G	$\pm 8 \pm 4$ weakly altered variably chlorite 3G
L	3310	3498		101	5D3	strongly to weakly reactive chlorite, biotite carbonate phyllite. 40% biotite.
L	3498	3546		102	4L9	$\pm 7$ minor blebs po
L	3546	3622		103	4L9	(3G4) - Variably altered 3G. 40% 3G4 60% 4L9
L	3622	3666		104	4L4	$\pm 1$ minor splgn red splk < 1% Pb+Zn
L	3666	3674		105	4LX	strongly calcareous minor biotite developed.
L	3674	3701		106	4L9	Minor shear @ 367.5.
L	3701	3732		107	3G0	PS2 grey minor narrow gt veining

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
L	373	2	381	1					1,08	3,50	± 6 minor py.
L	381		389	8					1,09	3,60	(369±3, 3D3) 10.1m 3D3 biotite band minor CO <sub>2</sub> in fractures & on S <sub>2</sub> Transitional from #108 to #111
L	389	8	390	4					1,10	0,00	qtz vein // S <sub>2</sub>
L	390	4	394	7					1,11	5,86	±3 weakly calc. minor narrow bands strongly calc. transitional to #112
L	394	7	407	1					1,12	5,A3	±9 minor py calc. vein and minor bands reach strongly to 10' HCl. near end almost 5A19
L	407	1	411	0					1,13	5,A6	±3 (5D3) variably calcareous 5D3 bands at start & middle of unit minor.
L	411	0	417	8					1,14	5,A3	(5D3, 000) strongly calc over 15' 2m. Then variably calc 5D3, 000 in shear @ 425.0-425.8 broken core, shear & gage zone 414.2 to end of unit.
L	417	8	418	9					1,15	5,A6	50' gage look 1/2.
L	418	9	420	0					1,16	3,D3	(5A6) Gage
L	420	0	425	4					1,17	3,D3	(4L1) Biotite qtz carbonite phyllite ⇒ schist minor 4L1 bands, sheared & fractured unit
L	425	4	427	1					1,18	3,D6	(10E9) sub-bx. calcite veined highly fractured poss 4L1* protolith. light green equigranular diorite amphibole ⇒ chlorite fingers @ 426.6 (0.1m) & 426.9 (0.2m)
L	427	1	429	1					1,19	1,C0	(4L1) 4L1 @ 427.7 - 429.5; 1C0 qtz biotite schist above and below this.
											EOH
											NB Intensive cannot be too far below this!!

Structural Log Date: \_\_\_\_\_

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			Dip	Direct.	Dip	Direct.	Dip	Direct.	
	28	32	34	38	40	44							
S				209	CIS2Z					710	23P		22.5m Post D2 folding S2
S				272	INDP					310			22.5
\$	237			268									Gouge pass. drillers gouge no orientation.
S				295	INDP					215			
\$	323			341									Gouge 0.2M nec.
S				353	CIS2S					510			Post D2 folding
S				385	INDH								⊥ to c.a.
S	390			399		210	11510			710			Gouge zone S <sub>0</sub> = fault orient
S				410	CIS2Z					715			
S				405	CIS2E					710			
S				421	CIS2Z					610			
S				428	CIS2Z					615			
S				465	CIS2Z					615			
S				507	CIS2S					810			
S				530	INDH								⊥ to CA
S				553	INDP			215	01110	715			Post D2 kink foliation = S <sub>1</sub>
S				560		910	0190						S <sub>0</sub> = fracture    to C.A
S				596	CIS2Z					70			
S				624	CIS2Z					710			
S				642	CIS2E					610			
S				710	CIS2Z					715			
S				723	CIS2S					715			
S				745	CIS2S					70			
S				783	CIS2S					715			
S				831	CIS2E					810			
S				910	INDP					515			
\$	938			963									Gouge
S				1010	INDP					715			
S				1054	CIS2S					715			
S				1110	CIS2Z					715			
S				1116	CIS2E					715			
S				1149	CIS2E					715			
S				1175	INDH								⊥ to CA
S				1213	INDH								⊥ to CA

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				32	34	
S			1122	9	CIS12S			75	21310	
S			1127	9	CIS12S			55		
S			1130	7	CIS12E			710		
S			1133	8	CIS12S			615		
S			1140	6	CIS12Z			715		
\$			1141	4						Gouge zone    S <sub>2</sub> (0.1M)
S			1142	1	CIS12S			715		
\$	1144	8	1145	7						Gouge zone 60° to CA
S			1146	2	CIS12S			615		
\$			1147	8						Gouge (0.1M)    to S <sub>2</sub>
\$			1148	9						S <sub>2</sub> folded by past D <sub>2</sub> folding
S			1146	9	CIS12S	210	21710	610		146.9 to 163.5 haulline fractures CO <sub>2</sub> filled = S <sub>0</sub>
S			1150	3	CIS12S			715		
\$			1151	9	CIS12E			710		
S			1153	7	CIS12S			710		
S	1154	3	1156	9		310	1010			Shear & gouge zone S <sub>0</sub> = shear
S			1157	9	CIS12E			75		
S			1159	9	CIS12Z			715		
S			1162	3	CIS12S			610		
S			1164	6	CIS12E			610		
\$			1166	2						0.2M Shear zone    S <sub>2</sub>
S			1167	2	CIS12S			610		166.8-167.0 shear zone
\$	1168	0	1170	1						Gouge zone 0.4M nec.
\$	1171	9	1174	0						Broken core & Gouge zone
S			1174	3	CIS12S			715		174.3 to 174.6 shear zone sub    S <sub>2</sub>
S			1176	0	1N1DP			410		Cont. E ore sharp,    S <sub>2</sub>
S			1177	0	CIS12S			610		
S			1179	7	CIS12M			810		
S			1181	2	CIS12S			615		
S			1183	8	CIS12M			615		
S			1186	1	CIS12S			615		
S			1188	6	CIS12Z			610		

Code	From				To				Feature	S/E	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				11905	CIS2Z						110	211	10	710	213	10	L2 azimuth 320°
S				11911	1NDR									610			
S				11953	1NDR									610			
S				11970	CIS2Z									610			
S				12011	5 1NDR									615			
S				12038	1NDR									615			
S				12018	5 1NDR									715			
S				12112	2 CIS2E									515			
S				12113	7 CIS2E									610			
S				12115	6 1NDR									415			
S				12117	9 CIS2Z									610			
S				12118	1 CIS2Z									515			
S				12119	1 CIS2E									515			
S				12121	3 1NDR									615			
\$				12123	1												Shear 0.2M wide // S2
S				12124	3 1NDR									510			
S				12126	8 CIS2Z									715			
S				12129	3 1NDR												L to CA
S	12131	0		12131	2					610	1510						Shear = S0
S				12132	3 1NDR												L to CA
S				12138	4 1NDR									710			
S				12140	8 1NDR									710			
S				12143	4 1NDR									610			
S				12146	4 1NDR									615			
\$				12149	1												Pass. shear (0.2M) // to S2
				12149	7 1NDR									710			
S				12151	8 CIS2S									810			
S				12157	1 1NDR									810			
S				12159	6 CIS2S									715			
S				12160	7 CIS2S									715			
S				12163	3 1NDR									710			
S				12167	7 CIS2S									710			
S				12172	7 1NDR									715			
S				12176	3 CIS2S									715			
S				12180	0 CIS2S									715			
\$	12181	4		12181	6												Pass. drillers god or gauge

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
\$	128	129	128	131										Gouge // S <sub>2</sub>
S			128	159	1	N	D	P				615	2310	
S			128	186	C	S	12	S				715		@ 288.9 0.1M gouge zone
S			129	113	1	N	D	P				710		
S			129	136	C	S	12	S				515		
\$	129	193	130	105										Sandy gouge zone
\$	130	123	130	148										Gouge zone
S	130	148	130	157					415	31310				shear zone = S <sub>0</sub> ; slicks azimuth at 290° to S <sub>2</sub> azimuth around the core.
S			130	164	1	N	D	P				615		
S			130	176	C	S	12	Z				715		
\$	130	182	130	190										shear & gouge zone 25° to CA
\$	131	108	131	124										shear & gouge zone sub // to S <sub>2</sub>
S			131	132	C	S	12	Z				710		
\$			131	152										0.2M gouge // S <sub>2</sub> sharp contact to 4L below
\$														Note usual - yawn - increase in metamorphic grade not too far below lowest D.L.F. gouge at 315.2 m
S			131	162	1	N	D	P				810		
S			131	197	1	N	D	P				715		
S			132	132	C	S	12	Z				715		
S			132	147	C	S	12	Z				710		
S			132	196	C	S	12	Z				710		
S			133	117	C	S	12	Z				715		
S			133	133	C	S	12	Z				715		
\$			133	156										0.1M gouge
S			133	175	1	N	D	P				610		
S			134	104	1	N	D	H						⊥ to CA
			134	128	1	N	D	H						⊥ to CA

Doo  
Lak  
ja!

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.	
S					131414	2	CIS12	4							715	21310	
S					131417	4	CIS12	3							615		
S					131510	0	UNID	P							715		
S					131512	9	UNID	P							75		
S					131519	0	UNID	P							615		
S					131611	0	CIS12	3							615		
\$					131611	6											0.1m gouge zone // S2
\$					131613	3											0.3m drillers goo or gouge?
\$					131617	5											0.1m shear // S2
S					131618	0	UNID	P							715		
					131711	0	UNID	P							715		
					131713	6	CIS12	S							715		
\$					131717	7											0.1m shear
S					131718	1	UNID	P							715		
\$	131719	3			131719	8											Pass. drillers goo or gouge
S					131810	6	UNID	P							615		
S					131819	0	UNID	P							615		
S					131816	3	UNID	P							715		
S					131819	0	UNID	P				510	01510		715		S1 column = S4
S					131911	7	UNID	P							710		
S					131918	7	UNID	P							710		
S					141013	8	UNID	P							710		
S					141016	0	CIS12	Z							810		
S					141018	6	CIS12	S							710		
S					141111	4	CIS12	S							715		
S					141113	2	UNID	H									L to CA
\$	141114	4			141117	8											Fractured & broken rock & gouge zone
S					141118	2	UNID	P							715		
S	141118	5			141210	3			215	1910	415	1910		615			Gouge zone S <sub>0</sub> = HW cnt. S <sub>1</sub> = FW cnt.
S					141213	2	UNID	P							615		
S	141213	3			141213	7			415	1910							Gouge zone S <sub>0</sub> = HW cnt. NB from 395.0 to 412.8 have fractures CO <sub>2</sub> filled L to CA



CODE	FROM				TO				SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10	14	16	20	22	26	28	30					
		52	2		53	4				12		5A119	(4A0)
P		175	9		176	7		12331	08	07	4E114	8* (4H14, 4L0)	
P		176	7		177	3		12332	12	11	4L14	(4E1784) umb 35 & 36	
						9							
P		188	3		189	6		12333	13	12	4C7*	(5A6, 4L0, 000)	
											4		
P		190	7		191	3		12334	06	06	4D68*	(4E8)	
P		191	3		193	4		12335	2	20	4D48*	9* (4E8) 4EG*	
P		193	4		194	7		12336	13	12	4E114	8* (4G418*) umb 46 & 47	
P		194	7		195	5		12337	08	08	4D48*	9*	
P		195	5		196	6		12338	1	10	4E6*	8* (4L0, 4D0)	
P		196	6		197	3		12339	07	07	5A119	(4E4, 5B4)	
P		197	3		199	4		12340	2	20	4E114	68* (4D4, 4L0)	
P		199	4		201	5		12341	2	20	4E114	68* (4D4, 4L0)	
P		201	5		204	0		12342	25	23	4E114	8*	
P		204	0		205	7		12343	17	16	4E64	48* (4L*) 4EL	
P		205	7		207	4		12344	17	16	4A113	(4L1*)	
P		207	4		208	4		12345	10	09	4E6*	8* (4D48)	
P		208	4		208	8		12346	04	04	4L48	(4E8)	
P		208	8		209	5		12347	07	06	4E116	48*	
P		209	5		211	4		12348	19	18	4E*	8* (00*)	
P		211	4		212	1		12349	07	07	4A117	8 (4H0)	
P		215	3		215	3		12350	05	05	4G*	8* (4E0, 4L1)	
P		216	4		217	7		12351	13	12	4E116	8*	
P		219	0		220	3		12352	13	12	4G*	8*	
P		220	3		221	7		12353	14	14	4G*	8*	
P		222	2		224	1		12354	19	18	4E116	48* (4L0, 5A3)	
P		224	1		224	6		12355	05	04	4L4		
P		224	6		225	1		12356	05	05	4E48*	(4L4) 4EL	
P		225	1		226	6		12357	15	14	4A113	(4A14)	
P		226	6		228	1		12358	15	14	4A113	(4A14)	

combined during

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	228	14	16	20	22	26	28	30	32	34	36	40	42	05	04			4G4.8											(4C3, 5C4)
P	235	14	16	20	22	26	28	30	32	34	36	40	42	08	08			4C3											(4L0) NB Aspy.
P	237	14	16	20	22	26	28	30	32	34	36	40	42	06	06			4G4											(4E4)
P	237	14	16	20	22	26	28	30	32	34	36	40	42	20	19			4A1.3											(5C4)
P	239	14	16	20	22	26	28	30	32	34	36	40	42	09	08			4A1.4											(4C0)
P	240	14	16	20	22	26	28	30	32	34	36	40	42	13	13			4A1.3											
P	241	14	16	20	22	26	28	30	32	34	36	40	42	17	10			4A1.4											(4G4)
P	243	14	16	20	22	26	28	30	32	34	36	40	42	08	07			4E1											(4G4)
P	243	14	16	20	22	26	28	30	32	34	36	40	42	05	04			4C0											(4L0)
P	244	14	16	20	22	26	28	30	32	34	36	40	42	20	19			4D4.8											(4L0) 4CB
P	246	14	16	20	22	26	28	30	32	34	36	40	42	11	10			4E1.6											8*
P	247	14	16	20	22	26	28	30	32	34	36	40	42	19	18			4E1											(4H0, 0Q0, 5A9)
P	261	14	16	20	22	26	28	30	32	34	36	40	42	14	14			5A1.9											[4A0]
P	262	14	16	20	22	26	28	30	32	34	36	40	42	14	13			5A1.9											[4A0]
P	265	14	16	20	22	26	28	30	32	34	36	40	42	15	14			5A1.9											[4A0]
P	266	14	16	20	22	26	28	30	32	34	36	40	42	14	14			5A1.9											[4A0]
P	362	14	16	20	22	26	28	30	32	34	36	40	42	22	21			4L4											±1
P	364	14	16	20	22	26	28	30	32	34	36	40	42	22	21			4L4											±1

FAULT

DDH FAGA 216  
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Cyprus Anvil Mining Corp.

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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	18	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.	Dip	Direct.			
F				218				11Q1													minor qtz vein (0.2m)		
F	1264			1268				G													gauge		
F	1323			1347				PG	0												gauge 0.1m/1.8m		
F	1390			1393				G					210	11510							gauge cross-cuts S <sub>2</sub>		
F	1515			1571				JIX10					011	01910							calc. fractures    C.A.		
F				1674				11G													drillers gas - gauge		
F	1786			1820				MP	1												0.6m/3.4m mismatch		
F	1847			1867				P	0												0.1m/2.0m		
F	1938			1964				GP	3												0.8m/2.6m gauged		
																					no orient - IND		
F	1914			1938				P	2												0.6m/2.4m no reasons		
																					given		
F				11414				11G					919	91919							gauge,    S <sub>2</sub>		
F	11448			11457				G													gauge, 60° to C.A.		
F				11478				11G					919	91919							gauge (0.1m)    S <sub>2</sub>		
F	11469			11635				11Q					210	2170							hairline fractures filled		
																					by CO <sub>2</sub>		
F	11543			11569				SIG					310	0100							shear & gauge zone		
F	11579			11610				3Q1					919	91919							sub    S <sub>2</sub> ? 80% qtz vein		
F	11680			11701				GP.S	1												gauge, 0.4m/2.1m		
F	11719			11740				BG													broken core & gauge		
F	11743			11746				S									919	91919			shear		
F				11616				21S					919	91919							0.2m shear zone    S <sub>2</sub>		
F	11668			11670				1S													shear zone		
F				12123				1S					919	91919							0.2m shear    S <sub>2</sub>		
F	21310			21311				2S					610	11510							0.2m shear		
F	21358			21361				Q													qtz vein		
F				21491				1S					919	91919							0.2m shear    S <sub>2</sub>		
F	12181			12181				6G?													gauge or drillers gas		
F	12182			12183				G					919	91919							gauge    S <sub>2</sub>		
F				12188				11G													0.1m gauge		
F	12993			13005				G													sandy gauge		
F	13102			13104				G													IND gauge - strongly calcareous		
F	13104			13105				S					415	31310							shear zone		
F	13108			13109				SIG													shear & gauge, 25° to C.A.		
F	13110			13112				SIG					919	91919							shear & gauge		

Sub || S<sub>2</sub>

~~FAULT~~

DDH F.A.G.A.21.6  
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Cyprus Anvil Mining Corp.

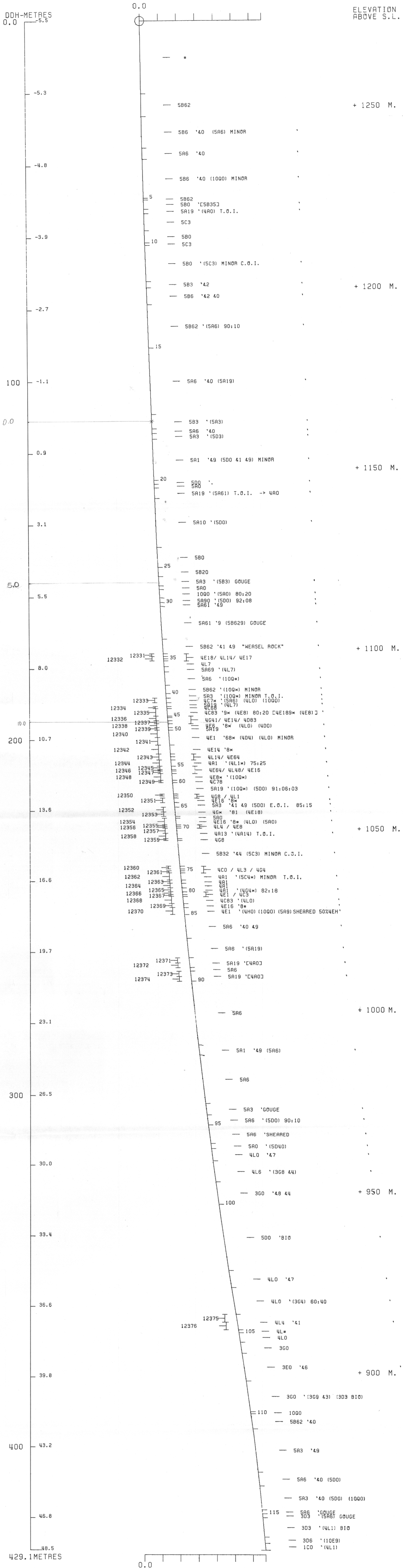
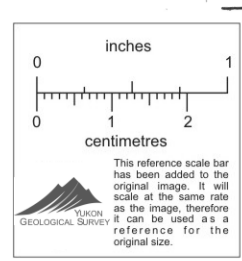
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Code	From				To				Feature	E Dip	S <sub>0</sub>		S <sub>1</sub>		S <sub>2</sub>		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		
F					131	152	11G							919	919			0.2m gauge // S <sub>2</sub> cut to 4L at bottom
F	129	93			131	152	F1											DOAL LAKE? (RST) note metamorphic grade increases below fault zone
F					131	156	11G											0.1m gauge
F					131	161	11G					919	919					0.1m gauge // S <sub>2</sub>
F					131	163	11G											0.3m Driller's gas or gauge
F					131	167	11S1					919	919					0.1m shear // S <sub>2</sub>
F					131	177	11S1											0.1m shear
F	131	179	3															para. driller's gas or gauge
F	131	189	8									919	919					qtz vein // S <sub>2</sub>
F	141	149			141	178	BIG											broken rock & gauge
F	141	185			142	103	G			215	01910			415	0910			gauge
F	142	133			142	132	G			415	01910							gauge zone
F	131	150			141	128	11D10					910	0100					hair line fracture, CO <sub>2</sub> filled ± c.a. shear zone, 50° c.a.
					142	163	142166 S1											

DDH: FAGA216 -- 132 DEGREE PROFILE  
 ( VIEW AZIMUTH = 42 DEGREES )  
 ELEV:1274 592289E ; 904709N  
 PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2  
 CORRECTED COLLAR POSITION: X = 636.2 Z = 1273.8  
 SECTION NAME: 035



DDH: FAGA216 -- 1.32 DEGREE PROFILE  
( VIEW AZIMUTH = 42 DEGREES )

ELEV: 1274 592289E ; 904709N  
PLUNGE ANGLE IS 0.0 TREND ANGLE IS 42.2  
CORRECTED COLLAR POSITION: X = 636.2 Z = 1273.8  
SECTION NAME: 03S

