

Diamond Drill Logs
Grom Section 82W
014962

Vol 2 of 2

17OCT83 GRUM

ORE SAMPLES & ASSAYS (DHD20)

PAGE: 10

DDH: FAGA229 UTM-N: 905,377.2 UTM-E: 592,327.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 159.5 SECTION: W 82
 RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
FROM	TO																					
103.0	104.8	12466	1.8	.0	4A4	2.95	.01	1.38	5.40	28.99		.14	1	3	5							
104.8	105.5	12467	.7	.0	4C0	2.99	.01	.72	2.73	14.99		.14	3		4							
105.5	107.3	12468	1.8	.0	4A0	2.89	.02	.88	2.33	18.00		.01	2	1	3							
107.3	108.8	12469	1.5	.0	4A0	2.87	.02	.82	1.55	13.99		.07	1	1	2							
WEIGHTED AVERAGE																						
103.0	108.8		5.8	.0		2.91	.01	1.00	3.13	20.01		.08	1	1	3							

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DOWN-HOLE SURVEYS (DH020)

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DDH: FAGA229 UTM-N: 905,377.2 UTM-E: 592,327.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 159.5 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
50.000	177.000	130.000
100.000	170.000	130.000
150.000	167.000	130.000

DDH: FAGA229 UTM-N: 905,377.2 UTM-E: 592,327.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 159.5 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
9.9	0001	#		0.5-	1
10.9	0002	5820		0.5-	1
11.8	0003	5862		0.5-	1
12.6	0004	504\$		0.5-	1
13.2	0005	5862		0.5-	1
14.6	0006	5862		0.5-	1
16.2	0007	500\$		0.5-	1
16.4	0008	580		0.5-	1
16.8	0009	500		0.5-	1
18.2	0010	586	80	0.5-	1
18.3	0011	580	(50)	0.5-	1
19.8	0012	504\$		0.5-	1
21.6	0013	580	(500)	0.5-	1
23.6	0014	500		0.5-	1
23.8	0015	4A0		0.5-	1
25.9	0016	506	(500)	0.5-	1
27.7	0017	506	(404a)(4L64)	0.5-	1
28.1	0018	50\$		0.5-	1
31.4	0019	500		0.5-	1
34.9	0020	5880	(500) 70:30	0.5-	1
40.0	0021	500		0.5-	1
40.5	0022	50a		0.5-	1
41.0	0023	500		0.5-	1
44.2	0024	500	(504*) 80:20	0.5-	1
45.1	0025	5862	8	0.5-	1
47.2	0026	5A0	(504\$)	0.5-	1
47.7	0027	405	(4L4)(4A0)	0.5-	1
48.7	0028	504\$		0.5-	1
49.2	0029	500		0.5-	1
49.6	0030	400	(4L46)(504a)	0.5-	1
50.0	0031	500		0.5-	1
50.6	0032	5A10		0.5-	1
50.9	0033	400	(504a)	0.5-	1
51.1	0034	5A0		0.5-	1
51.4	0035	4053		0.5-	1
51.8	0036	400	(504a)	0.5-	1
52.0	0037	500		0.5-	1
52.2	0038	5A01	9	0.5-	1
52.4	0039	504*		0.5-	1
54.5	0040	5862		0.5-	1
56.1	0041	5820		0.5-	1
56.8	0042	500		0.5-	1
57.4	0043	580		0.5-	1
58.5	0044	500		0.5-	1
59.5	0045	580		0.5-	1
65.3	0046	500	(504a)	0.5-	1
72.5	0047	580	(500) 90:10	0.5-	1
86.3	0048	500	(5880)	0.5-	1
102.0	0049	5A0	(4L0)	0.5-	1
103.0	0050	5A19	0	0.5-	1
104.8	0051	4A0	(500)(405)	0.5-	1

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DOWN-HOLE LITHOLOGY (DHO20)

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DDH: FAGA229 UTM-N: 905,377.2 UTM-E: 592,327.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 159.5 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
105.5	0052	400	(504\$)	0.5-	1
108.8	0053	4A0	(500)	0.5-	1
109.7	0054	500*		0.5-	1
111.5	0055	5B0		0.5-	1
112.6	0056	504\$		0.5-	1
115.0	0057	5B\$	80	0.5-	1
117.4	0058	5D\$		0.5-	1
113.7	0059	5B80		0.5-	1
122.6	0060	500		0.5-	1
123.9	0061	5B0	(504*)	0.5-	1
125.0	0062	5B6	3\$ 38	0.5-	1
126.2	0063	504\$		0.5-	1
158.6	0064	500	(5B0&8&2)(5C3\$)(5F0)60:30:10:T	0.5-	1
159.7	0065	5B0		0.5-	1

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DOWN-HOLE STRUCTURE (OH020)

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DDH: FAGA229 UTM-N: 905,377.2 UTM-E: 592,327.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 159.5 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE	COE	DHOC	SDC	PROCESS
FAGA229	0.0	9.9	PS2	P	0	0	44	230	0	1	1	1
FAGA229	0.0	14.8	CS2		0	0	57	230	0	1	1	1
FAGA229	0.0	17.9	CS2		0	0	55	230	0	1	1	1
FAGA229	0.0	23.3	CS2		0	0	58	230	0	1	1	1
FAGA229	0.0	27.9	PS2	P	0	0	55	230	0	1	1	1
FAGA229	0.0	31.8	CS2		0	0	60	230	0	1	1	1
FAGA229	0.0	34.7	CS2		0	0	71	230	0	1	1	1
FAGA229	0.0	41.8	PS2	P	0	0	72	230	0	1	1	1
FAGA229	0.0	49.5	PS2	P	0	0	74	230	0	1	1	1
FAGA229	0.0	55.8	CS2		0	0	48	230	0	1	1	1
FAGA229	0.0	62.2	CS2		0	0	82	230	0	1	1	1
FAGA229	0.0	64.8	CS2		0	0	70	230	0	1	1	1
FAGA229	0.0	72.0	PS2	P	0	0	75	230	0	1	1	1
FAGA229	0.0	77.1	PS2	P	0	0	74	230	0	1	1	1
FAGA229	0.0	90.0	CS2		0	0	65	230	0	1	1	1
FAGA229	0.0	91.7	PS2	P	0	0	50	230	0	1	1	1
FAGA229	0.0	104.4	CS2		0	0	52	230	0	1	1	1
FAGA229	0.0	108.5	CS2		0	0	55	230	0	1	1	1
FAGA229	0.0	113.8	PS2	P	0	0	47	230	0	1	1	1
FAGA229	0.0	119.5	CS2		0	0	47	230	0	1	1	1
FAGA229	0.0	127.2	PS2	P	0	0	53	230	0	1	1	1
FAGA229	0.0	132.8	CS2		0	0	65	230	0	1	1	1
FAGA229	0.0	137.0	CS2		0	0	65	230	0	1	1	1
FAGA229	0.0	146.0	CS2		0	0	50	230	0	1	1	1
FAGA229	0.0	147.5	PS2	P	0	0	40	230	0	1	1	1
FAGA229	0.0	151.5	CS2		0	0	75	230	0	1	1	1
FAGA229	0.0	155.9	CS2		0	0	70	230	0	1	1	1
FAGA229	0.0	159.1	CS2		0	0	64	230	0	1	1	1

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DOWN-HOLE FAULTS (DHO20)

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DDH: FAGA229 UTM-N: 905,377.2 UTM-E: 592,327.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 159.5 SECTION: W 82
 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
FAGA229	0.0	11.1	X1G				0	0	0	1
FAGA229	13.2	14.6	G				99	999	0	1
FAGA229	18.2	18.8	G				99	999	0	1
FAGA229	0.0	29.3	G				0	0	30	1
FAGA229	0.0	40.5	G				0	0	0	1
FAGA229	44.9	45.1	X1G				0	0	0	1
FAGA229	45.1	47.2	XGF				0	0	0	1
FAGA229	47.7	48.7	G3F				99	999	0	1
FAGA229	49.6	50.0	X				0	0	0	1
FAGA229	50.0	50.6	XG				0	0	0	1
FAGA229	55.0	55.4	G				0	0	0	1
FAGA229	58.5	59.5	B1G				0	0	0	1
FAGA229	0.0	63.6	1G				0	0	0	1
FAGA229	68.2	68.6	BG				0	0	0	1
FAGA229	69.9	70.3	BG				0	0	0	1
FAGA229	71.4	72.2	BG				0	0	0	1
FAGA229	76.1	76.4	BG				0	0	0	1
FAGA229	79.6	79.8	BG				0	0	0	1
FAGA229	80.6	81.7	BGP				0	0	0	1
FAGA229	83.2	86.3	BG				0	0	0	1
FAGA229	86.3	102.0	G3F				99	999	99	1
FAGA229	108.8	109.7	X				0	0	0	1
FAGA229	0.0	113.3	1G				0	0	0	1
FAGA229	0.0	115.9	1G				0	0	0	1
FAGA229	0.0	117.1	1G				0	0	0	1
FAGA229	123.1	123.4	BG				0	0	0	1
FAGA229	130.1	130.3	G				0	0	0	1
FAGA229	140.8	140.9	G				0	0	0	1
FAGA229	143.3	143.5	G				0	0	0	1
FAGA229	144.3	144.9	G				0	0	0	1
FAGA229	146.2	146.5	G				0	0	0	1

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DOWN-HOLE SPLINES (DH020)

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DDH: FAGA229 UTM-N: 905,377.2 UTM-E: 592,327.0 UTM-ELEV: 1,304.0 TOTAL DEPTH: 159.5 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA229	1	2
FAGA229	2	2
FAGA229	3	2
FAGA229	4	1

DIAMOND DRILL CORE LOG

Date: 3 July 82

Hole Number: FAG A 229 (82-A-229)

Reference Fabric Orientation Diagram:

Project: GRUM

Location: VANGORDA 105-K-3/6

Claim: Grum #3

UTM Terr. Plane Co-ords.: 6905377.237 N

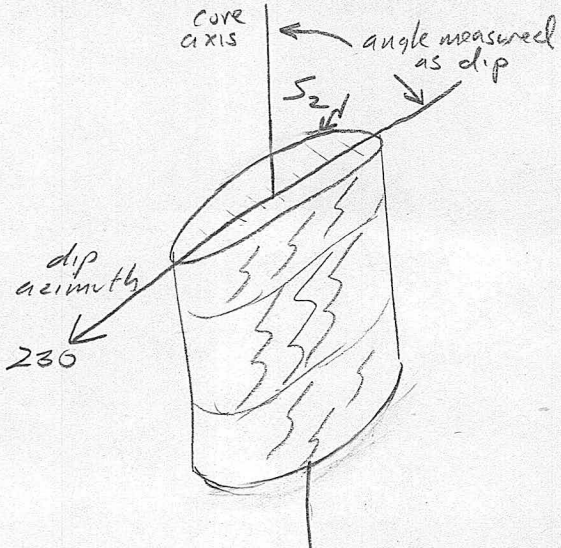
CAMC Mine Survey 592327.010 E

Grid Co-ords: 82W

AEX/K.A. grid 14N

CAMC Mine Survey from topo 1304^{±0.035} m. (1314 K-A)

Total Depth: 524' (159.7m)



All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth 230.

was 295° in 1982

Purpose: to intersect steep limb on Gnomes Cap.

Reason hole Terminated: too deep, too far northeast, missed limb, no ones perfect

Logged by: DSJ/GAJ

Date(s) Logged: 22 June 82

Drilling Contractor: Arctic Diamond drilling

Size	CORE From	To	Collar Cased and Capped:
<u>NW</u>	<u>0</u>	<u>32' (9.8m)</u>	<u>No</u>
<u>NØ</u>	<u>32'</u>	<u>524' (159.7m)</u>	

Hole Cemented: NO

Steel down hole: NO

Started: 18 June Completed: 20 June 82

DDH FAGA 229
2 8

Diamond Drill Core Log Date: 3 July 82 Logged By: DSJ/GJ

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	FAGA 229	11304.0	905377.2	592327.0	METRES	S 2

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8 10 14 22 26 28 32 34 56				
R	FAGA 231	100	180.0	10.0	AT COLLAR
R	FAGA 231	500	177.0	130.0	FAKED
R	FAGA 231	1000	170.0	130.0	FAKED
R	FAGA 231	1500	167.0	130.0	FAKED

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
I	2 8 10	
R	FAGA 229	DISKS PLACED IN STYRO CUP THEN THROWN OUT WITH THE GARBAGE THUS IN TRUE CHEM LAB FASHION WE COOKED THE RESULTS BY COMPARISON TO NEARBY HOLES

Lithologic Log

Date: 22 June 82 Logged By: DSJ/GAJ

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	00	09		1	*	overburden.
L	09	10		2	SBR0	
L	10	11		3	SBR2	breccia and minor gouge vs S ₂ at 11.1
L	11	12		4	SD4*	dolo.
L	12	13		5	SBR2	
L	13	14		6	SBR2	GOUGE upper=S ₂ // lower=inv
L	14	16		7	SD0*	dolo.
L	16	16		8	SBR0	
L	16	16		9	SD0	
L	16	18		10	SBR4	±0
L	18	18		11	SBR0	(SD) GOUGE entirely upper=S ₂ // lower at 30° to CA (S ₂ ~ horizontal.)
L	18	19		12	SD4*	dolo.
L	19	21		13	SBR0	(SD0)
L	21	23		14	SD0	
L	23	23		15	HAD0	
L	23	25		16	SD6	(SD0) 529
L	25	27		17	SD6	(4D4*) ank (4L64)
L	27	28		18	SC*	dolo.
L	28	31		19	SD0	with a prominent S ₂ // gouge centered at 29.3 - 10cm thick
L	31	34		20	SBR0	(SD0) 70:30 no gouge.
L	34	40		21	SD0	
L	40	40		22	SC*	ank motley mottled.
L	40	41		23	SC0	gouge // S ₂ at top, bottom steeper SS/325
L	41	44		24	SD0	(SC4*) 50:20
L	44	45		25	SBR2	8 bxa for last 20cm of unit core broken above bxa incipient S ₂ // finer gouge in bxa zone.
L	45	47		26	SAD0	(SD4*) dolo. bxa and gouge over interval - gouge generally sub // S ₂
L	47	47		27	HCS	(4L4) (4A0) horse bounded top and bottom by gouge in fault zone.

check 4D4*

Lithologic Log

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	47.7	48.7		28	SD4*	dol. gouge 11 S ₂ at top bottom ind. interval 45.1 - 48.7 major Fault zone
L	48.7	49.2		29	SD0	
L	49.2	49.6		30	4D0	(4L46)(SD4*) ank as laminar bands in quartzites - interleaved in greeny 4D - composition of volcaniclastic and hydrothermal exhalative system?
L	49.6	50.0		31	SD0	BXA.
L	50.0	50.6		32	SA10	BXA roughly S ₂ 11 gouge. interval 48.7 - 50.6 may be continuation ^{or reflection} of above major Fault
L	50.6	50.9		33	4C0	(SD4*) ank as unit 30
L	50.9	51.1		34	SA0	
L	51.1	51.4		35	4C53	
L	51.4	51.8		36	4C0	(SD4*) as unit 30
L	51.8	52.0		37	SD0	
L	52.0	52.2		38	SA0,19	
L	52.2	52.4		39	SD4*	
L	52.4	54.5		40	SB62	
L	54.5	56.1		41	SB20	incipient S ₂ 11 gouge. 55-55.4
L	56.1	56.8		42	SD0	
L	56.8	57.4		43	SB0	
L	57.4	58.5		44	SD0	
L	58.5	59.5		45	SB0	BXA core broken over interval no attitudes top? bottom interval gouge S ₂ 11
L	59.5	63.6		46	SD0	(SD4*) mottled ank S ₂ 11 gouge at 63.6.
L	63.6	70.3		47	SB0	(SD0) 90:10 incipient S ₂ 11 gouge randomly throughout. Main zones of broken core 'gouge': 65.2-68.6 69.9 - 70.3

Lithologic Log

Date: 22 June 82 Logged By: DSJ/GAJ

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						71.4 - 72.2
L	72.5	86.3		48	S.D.O.	(SB80) with generally S ₂ 11 gauge zones as follows:
						76.1 - 76.4 - Same zone.
						79.6 - 79.8
						80.6 - 81.7 very poor recovery
						83.2 - 86.3
L	86.3	102.0		49	SAP	(4L0) entire interval gauged - major fault - following are predominant clast types (in gauge.) 4CS, 5D4* ^(w/25%) , 4A0 toward base. - lower contact steep and S ₂ 11 - upper probably S ₂ 11 - continuation of broken core and gauge interval in unit 48. all clasts seem to have uniform 60-70° CA in zone (i.e. no rotation) - no slicks observed on lower contact.
L	102.0	103.0		50	S.A.1.90	
L	103.0	104.8		51	4.A.0	(SD0)(4CS)
L	104.8	105.5		52	4.0.0	(SD4*) dolo. 60:40
L	105.5	108.8		53	4.A.0	(SD0)
L	108.8	109.7		54	S.D.O.*	Bxa (4C0 laminae interbanded w. SD)
L	109.7	111.5		55	S.B.0	
L	111.5	112.6		56	S.D.4*	dolo. white - completely carbonate
L	112.6	115.0		57	S.B.*	± 0% * = dolo., minor S ₂ 11 gauge at 113.3
L	115.0	117.4			S.D.4*	dolo. partially to completely carbonate minor S ₂ 11 gauge at 115.9, and 117.1
L	117.4	118.7		58	S.B.8.0	
L	118.7	122.6		59	S.D.O.	
L	122.6	123.9		60	S.B.0	(SD4*) broken core and gauge (ind) main gauge 123.1-123.4 (all S ₂ ??)
L	123.9	125.0		61	S.B.6	±% ±8 dolo.
L	125.0	126.2		62	S.D.4*	dolo.

Lithologic Log

Code	From				To				Recov.				No.				Unit	Description								
	1	10	14	16	20	22	24	26	28	30	34	35	1	10	14	16			20	22	24	26	28	30	34	35
L		12	6	2		15	8	6													63	SDP	(SBD ±8 ±2)(SC3X dol)(SFD) 60:30:10:tr Gouges in this interval: (S ₂ 11) 130.1 - 130.3 140.8 - 140.9 143.3 - 143.5 144.3 - 144.9 146.2 - 146.5			
L		15	8	6		15	9	7													64	SBD	159.7 = EOH			

DDH FA GA 229
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: 22 June 82 Logged By: DST/GAT

Code	From		To		Feature	S/E	S ₀		S ₁		S ₂		Description
							Dip	Direct.	Dip	Direct.	Dip	Direct.	
	10	14	16	20	22	24	26	28	32	34	38	40	
S			99		INDP						44	230	
S			148		CSR						57		
S			179		CSR						55		
S			233		CSR						58		
S			279		INDP						55		
S			318		CSR						60		
S			347		CSR						71		
S			418		INDP						72		
S			495		INDP						74		
S			558		CSR						48		
S			622		CSR						82		
S			648		CSR						70		
S			720		INDP						75		
S			771		INDP						74		
S			910		CSR						65		in clast or horse.
S			917		INDP						50		"
S			1044		CSR						52		
S			1085		CSR						55		
S			1138		INDP						47		
S			1195		CSR						47		
S			1272		INDP						53		
S			1328		CSR						65		
S			1370		CSR						65		
S			1416		CSR						59		
S			1475		INDP						49		
S			1515		CSR						75		
S			1559		CSR						70		
S			1591		CSR						64		

ASSAY LOG (SAMPLER'S COPY) Date 22 June 82 Sampled by _____

CODE	FROM		TO		SAMPLE			INTR.		REC (m)	UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
P	11030		11048		12466		18		18		4A0		(500, 405)
P	11048		11055		12467		107		107		4A0		(504*)
P	11055		11073		12468		18		18		4A0		(500)
P	11073		11088		12469		15		14		4A0		(500)

DDH FAGN 229
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
					X1G								
	13	2		14	G								
	18	2		18	G						30	000	
				29	G								
				40	G								
	44	9		45	X1G								
	45	1		47	XGF								
	47	7		48	G3F								
	49	6		50	OX								
	50	0		50	XG								
	55	0		55	G								
	58	5		59	B1G								
				63	1G								
	68	2		68	BG								
	69	9		70	BG								
	71	4		72	BG								
	76	1		76	BG								
	79	6		79	BG								
	80	6		81	BGP								
	83	2		86	BG								
	86	3		102	G3F								
	108	8		109	X								
				113	1G								
				115	1G								
				117	1G								
	123	1		123	BG								
	130	1		130	G								
	140	8		140	G								
	143	3		143	G								
	144	3		144	G								
	146	2		146	G								

DDH: FAGA229 -- 42 DEGREE PROFILE

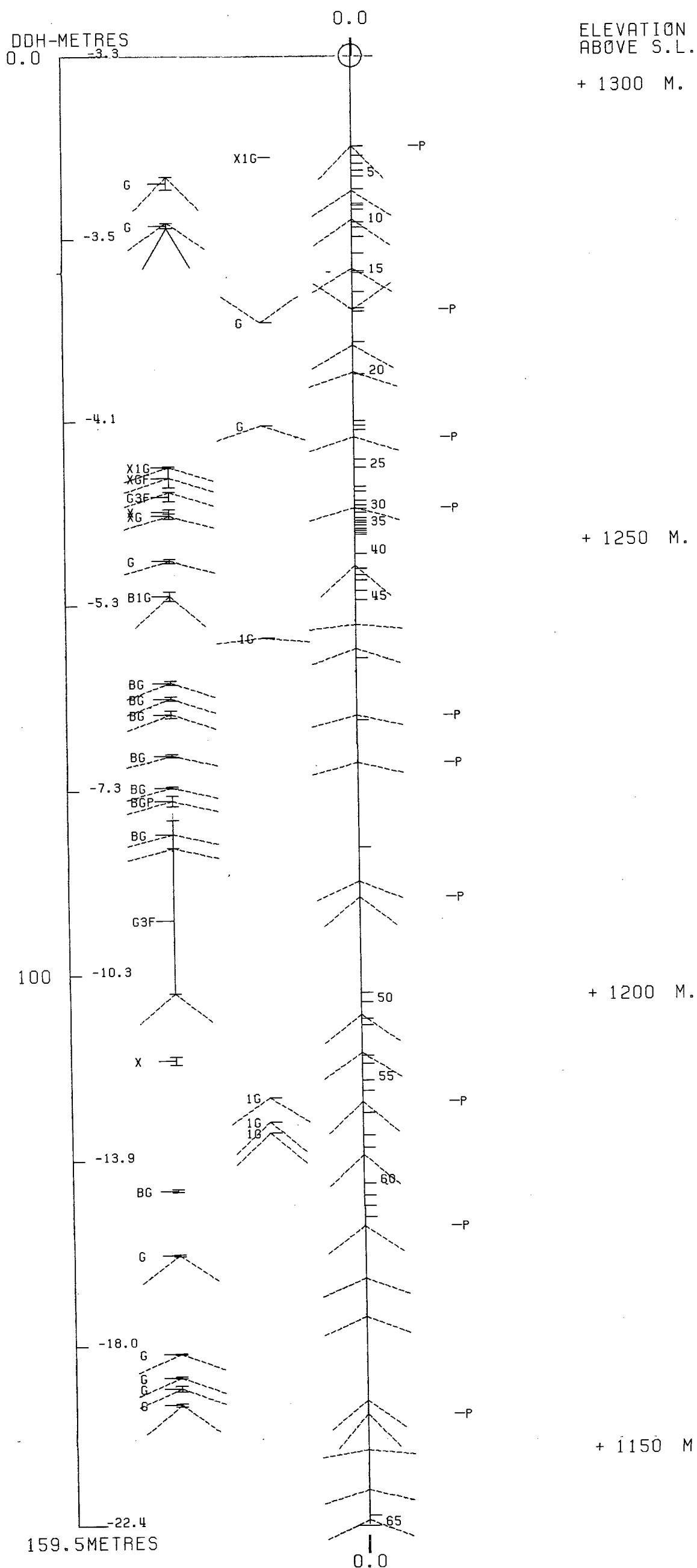
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1304 592327E ; 905377N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 799.0 Z = 1303.4

SECTION NAME: 82W



DDH: FAGA229 -- 42 DEGREE PROFILE

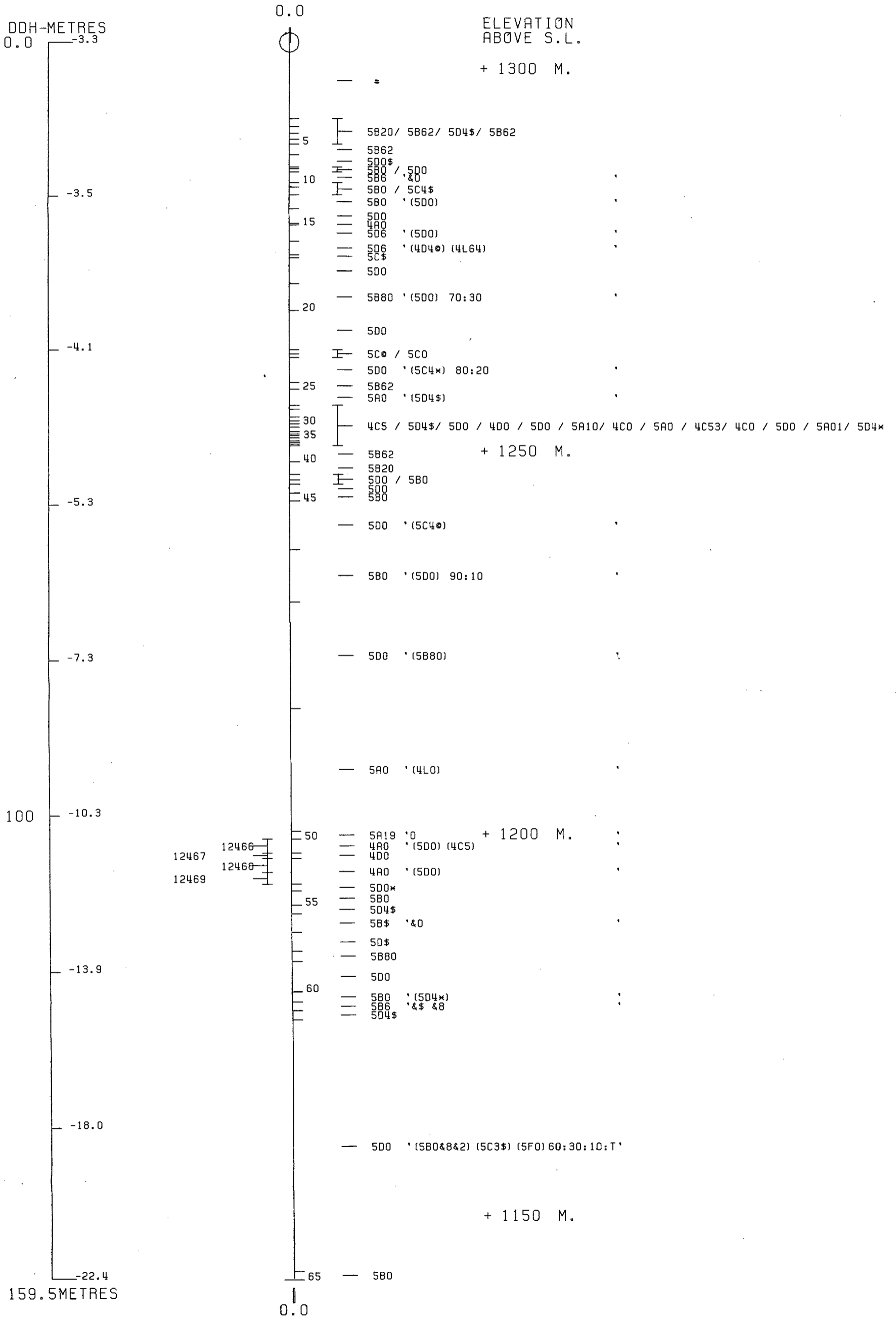
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1304 592327E ; 905377N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 799.0 Z = 1303.4

SECTION NAME: 82W



FAGA230

COMPOSITES (DH020)

DRILL HOLE : FAGA230
NORTHING : 905,394.9
EASTING : 592,262.3
ELEVATION : 1,307.0
TOTAL DEPTH : 221.6
SECTION : W 84
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: 6
NOS DOWN-H-LITHOLOGY: 121
NOS DOWN-H-STRUCTURE: 39
NOS DOWN-H-FAULTS: 46
NOS DOWN-H-SPLINES: 6
NOS COMPOSITES: 0

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ORE SAMPLES & ASSAYS (DH020)

PAGE: 18

DDH: FAGA230 UTM-N: 905,394.9 UTM-E: 592,262.3 UTM-ELEV: 1,307.0 TOTAL DEPTH: 221.6 SECTION: W 84
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PS %	ZN %	AG(AA) G/MT	AG(FA) G/MT	ASSAYS			BAO X	HG X	MN X	AS X	BA X	S.G. W.R.
FROM	TO											PO X	PY X	TOT FE						
83.7	85.4	12470	1.7	1.6	4EDH	4.25	.02	.78	2.91	21.00		.62	4	30	34					
85.7	87.5	12471	1.8	1.6	4EDH	4.17	.02	2.50	10.19	29.99		.55	5	23	28					
90.4	92.5	12472	2.1	2.0	4A4	3.04	.02	2.60	6.29	42.00		.27	2	3	5					
92.5	94.3	12473	1.8	1.8	4A4	3.02	.05	3.47	6.50	57.99		.27	2	2	4					
102.7	103.3	12474	.6	.5	4A4	3.04	.11	2.22	5.50	43.00		.55	1	3	5					
103.3	105.7	12475	2.4	2.3	4D0	3.16	.02	1.46	3.81	27.99		.14	4	4	8					
105.7	107.7	12476	2.0	1.9	4A4	3.06	.04	2.60	5.28	48.00		.34	1	4	5					
107.7	109.7	12477	2.0	2.0	4A4	3.02	.02	2.25	3.35	35.00		.34	1	2	3					
109.7	111.5	12478	1.8	1.5	4A4	3.22	.02	1.58	4.67	25.00		.34	1	7	8					
114.1	115.8	12479	1.7	1.7	4A0		.02	.40	2.02	10.00										
117.9	119.8	12480	1.9	1.8	4A4	3.16	.02	4.62	6.16	70.00		.55	1	5	6					
119.8	121.6	12481	1.8	1.7	4A4	3.12	.04	3.22	5.98	48.00		.40	1	5	6					
136.3	133.1	12482	1.3	1.1	4A4	3.56	.02	2.33	4.88	28.99		.20	3	14	18					
139.6	142.4	12483	2.8	2.6	4A4	3.12	.02	3.66	7.79	63.99		.40	2	5	8					
143.0	144.2	12484	1.2	1.0	4DA	3.00	.01	1.55	5.29	25.00		.14	2	4	6					
147.3	149.2	12485	1.4	1.4	4A4	3.49	.02	3.83	9.84	83.00		.07	4	9	14					
150.2	151.0	12486	.8	.7	4A0	3.02	.01	2.06	6.00	44.00		.14	3	2	6					
153.0	155.1	12487	2.1	1.4	4A4	3.35	.01	4.75	11.30	90.00		.20	2	6	9					
162.0	165.1	12488	3.1	2.7	4A4	3.02	.01	1.38	4.21	27.99		.20	1	6	7					
165.6	167.9	12439	2.3	2.0	4A0	2.91	.02	1.03	2.16	17.00		.14	3	1	5					
WEIGHTED AVERAGE																				
83.7	95.4		1.7	1.6		4.25	.02	.78	2.91	21.00		.62	4	30	34					
85.7	87.5		1.8	1.6		4.17	.02	2.50	10.19	29.99		.55	5	23	28					
90.4	94.3		3.9	3.8		3.03	.03	3.00	6.39	49.38		.27	2	2	5					
102.7	111.5		8.8	8.2		3.11	.03	1.97	4.44	34.54		.29	2	4	6					
114.1	115.8		1.7	1.7			.02	.40	2.02	10.00										
117.9	121.6		3.7	3.5		3.14	.03	3.93	6.07	59.29		.48	1	5	6					
136.3	133.1		1.3	1.1		3.56	.02	2.33	4.88	28.99		.20	3	14	18					
139.6	142.4		2.8	2.6		3.12	.02	3.66	7.79	63.99		.40	2	5	8					
143.0	144.2		1.2	1.0		3.00	.01	1.55	5.29	25.00		.14	2	4	6					
147.3	149.2		1.4	1.4		3.49	.02	3.83	9.84	83.00		.07	4	9	14					
150.2	151.0		.8	.7		3.02	.01	2.06	6.00	44.00		.14	3	2	6					
153.0	155.1		2.1	1.4		3.35	.01	4.75	11.30	90.00		.20	2	6	9					
162.0	165.1		3.1	2.7		3.02	.01	1.38	4.21	27.99		.20	1	6	7					
165.6	167.9		2.3	2.0		2.91	.02	1.03	2.16	17.00		.14	3	1	5					

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DOWN-HOLE SURVEYS (OH020)

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DDM: FAGA230 UTM-N: 905,394.9 UTM-E: 592,262.3 UTM-ELEV: 1,307.0 TOTAL DEPTH: 221.6 SECTION: W 84
RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
16.500	177.500	123.000
34.700	176.000	139.000
95.700	172.200	128.000
156.700	170.500	127.000
217.600	164.200	141.000

DDH: FAGA230 UTM-N: 905,394.9 UTM-E: 592,262.3 UTM-ELEV: 1,307.0 TOTAL DEPTH: 221.6 SECTION: W 84
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
4.2	0001	#		0.5-	1
14.8	0002	500		0.5-	1
18.0	0003	5880	(500) 90:10	0.5-	1
18.5	0004	500		0.5-	1
19.2	0005	5880		0.5-	1
19.8	0006	500		0.5-	1
20.2	0007	5880		0.5-	1
21.3	0008	500		0.5-	1
28.0	0009	5880	(500) MINOR	0.5-	1
29.9	0010	500		0.5-	1
30.3	0011	5880	(500) MINOR	0.5-	1
30.5	0012	500		0.5-	1
34.8	0013	5880	(500) 90:10	0.5-	1
36.0	0014	500		0.5-	1
36.9	0015	5880		0.5-	1
37.5	0016	500		0.5-	1
38.4	0017	5880	(10Q0)	0.5-	1
40.2	0018	500	(5C*)	0.5-	1
41.0	0019	5820		0.5-	1
41.4	0020	5040		0.5-	1
42.3	0021	500	(5A0)	0.5-	1
43.2	0022	5880	(10Q0)(500) 70:15:15	0.5-	1
43.8	0023	5F6		0.5-	1
44.2	0024	503		0.5-	1
44.8	0025	5F6		0.5-	1
45.5	0026	5C0		0.5-	1
48.7	0027	5F0	36 [50680]	0.5-	1
49.2	0028	582	(500) 70:30	0.5-	1
52.0	0029	5820	(500) 90:10	0.5-	1
58.5	0030	5A0		0.5-	1
58.8	0031	5820		0.5-	1
69.0	0032	5A0		0.5-	1
71.3	0033	4A00		0.5-	1
80.6	0034	5A0		0.5-	1
81.6	0035	5040	(4E4) 95:05	0.5-	1
83.3	0036	5A0	(5A19) ->4A0	0.5-	1
83.7	0037	5040		0.5-	1
85.4	0038	4E0	(4HORIND)(4D5)(504*)(4A0)80X4E	0.5-	1
85.7	0039	500		0.5-	1
87.5	0040	4E0	87 84 85 (40485)	0.5-	1
90.4	0041	5040	(404) 95:05	0.5-	1
94.3	0042	4A4	(404) 80:20	0.5-	1
94.6	0043	5820	(504*)	0.5-	1
96.6	0044	500		0.5-	1
97.1	0045	5A19	->5A6	0.5-	1
99.0	0046	500	83 (404) TR.	0.5-	1
99.4	0047	5820		0.5-	1
100.4	0048	5040		0.5-	1
101.6	0049	5A0		0.5-	1
102.7	0050	5A0		0.5-	1
103.3	0051	4A0		0.5-	1

DDH: FAGA230 UTM-N: 905,394.9 UTM-E: 592,262.3 UTM-ELEV: 1,307.0 TOTAL DEPTH: 221.6 SECTION: W 84
 RFE: S2 RFE DIP: 230 PLUNGE ANGLES: 11 312 DMO CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
105.7	0052	4D4	(5D4*) 60:40	0.5-	1
111.5	0053	4A4	(5D4*) 99:01	0.5-	1
112.8	0054	4A0\$	->5A19	0.5-	1
114.1	0055	5D4*	(4A0) 95:05	0.5-	1
115.3	0056	4A0	38 (5A\$)(5D4*) 80:15:05	0.5-	1
117.9	0057	5B2\$	(5A19 ->4A00) (5D4*)	0.5-	1
121.6	0058	4A4	33 MINOR (5D\$) 95:05	0.5-	1
122.0	0059	5A\$	(5D4\$) 90:10	0.5-	1
122.8	0060	5B2		0.5-	1
124.9	0061	5D\$		0.5-	1
128.2	0062	5A\$	(5A19 ->4A0)	0.5-	1
123.3	0063	4E4	(5D4*)	0.5-	1
129.4	0064	5A0		0.5-	1
131.0	0065	4A0		0.5-	1
133.8	0066	5A\$	->5A19	0.5-	1
136.1	0067	5D4\$	(4D0) MARGINS AND INFOLDS	0.5-	1
136.8	0068	5A0	->5A19 ->4A0	0.5-	1
138.1	0069	4A4		0.5-	1
139.6	0070	5D4*	(0Q*) 80:20	0.5-	1
142.4	0071	4A4	(4D4)	0.5-	1
143.0	0072	5D4*		0.5-	1
143.5	0073	4D4	(5D4*)	0.5-	1
144.2	0074	4A4		0.5-	1
147.8	0075	5A19	->4A00	0.5-	1
149.2	0076	4A4	->4D45	0.5-	1
150.2	0077	5A6		0.5-	1
151.0	0078	5D4*	(4A4)(4D4) 40:30:30	0.5-	1
151.7	0079	5A0		0.5-	1
153.0	0080	5D4*		0.5-	1
153.3	0081	4D4		0.5-	1
154.4	0082	5A6		0.5-	1
155.1	0083	4A4		0.5-	1
155.4	0084	5A0		0.5-	1
155.6	0085	4E4	(5D4*)	0.5-	1
156.9	0086	5D4*		0.5-	1
157.3	0087	4D45		0.5-	1
157.6	0088	5A19	->4A00	0.5-	1
160.2	0089	5D4\$		0.5-	1
160.8	0090	4A34		0.5-	1
162.0	0091	5A\$		0.5-	1
165.1	0092	4A4		0.5-	1
165.6	0093	5D4\$		0.5-	1
166.6	0094	4A0	(5D4*)	0.5-	1
166.8	0095	4A0		0.5-	1
167.5	0096	5D4*		0.5-	1
167.9	0097	4A0		0.5-	1
168.2	0098	5A0	(0Q0)	0.5-	1
172.1	0099	5B2\$	(5D4\$) 90:10	0.5-	1
174.8	0100	5D0		0.5-	1
176.2	0101	5B0		0.5-	1
177.7	0102	5B0	FAULT FOAM	0.5-	1

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DOWN-HOLE LITHOLOGY (DH020)

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DDH: FAGA230 UTM-N: 905,394.9 UTM-E: 592,262.3 UTM-ELEV: 1,307.0 TOTAL DEPTH: 221.6 SECTION: W 84
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
180.8	0103	58\$	&2 (5D4\$) 85:15	0.5-	1
184.7	0104	5D0	(5D4*)	0.5-	1
186.7	0105	5B0	(5D0) 90:10	0.5-	1
190.4	0106	5B6		0.5-	1
192.3	0107	5D\$	[5C\$ MOTTLED] (5D0)	0.5-	1
193.5	0108	5B0	(5B6) (5D0)	0.5-	1
194.3	0109	5D0		0.5-	1
195.1	0110	5B0		0.5-	1
195.8	0111	5D0		0.5-	1
196.4	0112	5B0		0.5-	1
196.7	0113	5D0		0.5-	1
197.6	0114	5B6		0.5-	1
199.6	0115	5B0	(5D0) MINOR	0.5-	1
201.0	0116	5B6	&0	0.5-	1
203.8	0117	58\$		0.5-	1
206.3	0118	5D0	(5B0) 90:10	0.5-	1
209.6	0119	5B8	&2 [5F0 (5D0)]	0.5-	1
210.5	0120	5F0		0.5-	1
221.6	0121	5A3	&0 (5D3) 98:02	0.5-	1

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DOWN-HOLE STRUCTURE (DH020)

PAGE: 23

DDH: FAGA230 UTM-N: 905,394.9 UTM-E: 592,262.3 UTM-ELEV: 1,307.0 TOTAL DEPTH: 221.6 SECTION: W 84
 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	DHJC	SDC	PROCESS
FAGA230	0.0	11.1	CS2		0	0	0	0	60	230	0		1	1	1
FAGA230	0.0	19.1	PS2	P	0	0	0	0	67	230	0		1	1	1
FAGA230	0.0	24.5	PS2	P	0	0	0	0	70	230	0		1	1	1
FAGA230	0.0	32.9	PS2	P	0	0	0	0	71	230	0		1	1	1
FAGA230	0.0	37.7	PS2	P	0	0	0	0	66	230	0		1	1	1
FAGA230	0.0	41.8	CS2		0	0	0	0	82	230	C		1	1	1
FAGA230	0.0	46.4	CS2		0	0	0	C	75	230	0		1	1	1
FAGA230	0.0	54.5	CS2	D	0	0	0	0	64	230	0		1	1	1
FAGA230	0.0	58.6	PS2	P	0	0	0	0	60	230	0		1	1	1
FAGA230	0.0	64.0	CS2	D	0	0	0	0	69	230	0		1	1	1
FAGA230	0.0	69.7	CS2	D	0	0	0	0	70	230	0		1	1	1
FAGA230	0.0	75.2	CS2	D	0	0	0	0	75	230	0		1	1	1
FAGA230	0.0	81.8	CS2		0	0	0	0	45	230	0		1	1	1
FAGA230	0.0	88.7	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA230	0.0	94.8	PS2	P	0	0	0	0	70	230	0		1	1	1
FAGA230	0.0	101.2	CS2	D	0	0	0	0	65	230	0		1	1	1
FAGA230	0.0	107.4	CS2		0	0	0	0	80	230	0		1	1	1
FAGA230	0.0	110.2	CS2		0	0	0	0	70	230	0		1	1	1
FAGA230	0.0	117.3	CS2	D	0	0	0	0	75	230	0		1	1	1
FAGA230	0.0	123.1	PS2	P	0	0	0	0	85	230	0		1	1	1
FAGA230	0.0	126.8	CS2	D	0	0	0	0	70	230	0		1	1	1
FAGA230	0.0	131.5	CS2	D	0	0	0	0	83	230	0		1	1	1
FAGA230	0.0	139.0	CS2		0	0	0	0	80	230	0		1	1	1
FAGA230	0.0	143.0	CS2		0	0	0	0	63	230	0		1	1	1
FAGA230	0.0	148.3	CS2		0	0	0	0	70	230	0		1	1	1
FAGA230	0.0	152.0	CS2		0	0	0	0	82	230	0		1	1	1
FAGA230	0.0	156.5	PS2	P	0	0	0	0	65	230	0		1	1	1
FAGA230	0.0	163.3	CS2	D	0	0	0	0	70	230	0		1	1	1
FAGA230	0.0	168.5	CS2	D	0	0	0	0	60	230	0		1	1	1
FAGA230	0.0	175.8	CS2	D	0	0	0	0	78	230	0		1	1	1
FAGA230	0.0	180.4	PS2	P	0	0	0	0	82	230	0		1	1	1
FAGA230	0.0	185.5	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA230	0.0	191.5	CS2	D	0	0	0	0	70	230	0		1	1	1
FAGA230	0.0	198.5	CS2	D	0	0	0	C	65	230	0		1	1	1
FAGA230	0.0	203.1	PS2	P	0	0	0	0	72	230	0		1	1	1
FAGA230	0.0	209.7	PS2	P	0	0	0	0	85	230	0		1	1	1
FAGA230	0.0	214.0	CS2		0	0	0	0	75	230	0		1	1	1
FAGA230	0.0	217.0	CS2		0	0	0	0	82	230	0		1	1	1
FAGA230	0.0	221.0	CS2	D	0	0	0	0	82	230	0		1	1	1

DOWN-HOLE FAULTS (OH020)

17OCT83 GRUM

DDH: FAGA230 UTM-N: 905,394.9 UTM-E: 592,262.3 UTM-ELEV: 1,307.0 TOTAL DEPTH: 221.6 SECTION: W 84
 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
FAGA230	13.0	13.3	G				0	0	0	1
FAGA230	26.3	27.6	GB				99	999	0	1
FAGA230	37.9	38.0	GF?				99	999	0	1
FAGA230	38.4	40.2	SG				0	0	0	1
FAGA230	0.0	41.0	G1F				0	0	0	1
FAGA230	41.0	41.4	1G				0	0	0	1
FAGA230	0.0	42.3	1F				0	0	0	1
FAGA230	45.6	46.1	G				0	0	0	1
FAGA230	48.7	49.2	B1G				0	0	0	1
FAGA230	0.0	52.9	1G				0	0	0	1
FAGA230	0.0	58.3	1G				0	0	0	1
FAGA230	0.0	60.4	1G				0	0	0	1
FAGA230	0.0	71.8	1G				0	0	0	1
FAGA230	0.0	73.5	1G				0	0	0	1
FAGA230	0.0	83.3	FG				0	0	0	1
FAGA230	94.3	94.6	3BP				0	0	0	1
FAGA230	0.0	95.2	G				0	0	0	1
FAGA230	101.6	102.7	3GF	3			0	0	0	1
FAGA230	102.7	105.2	B	8			0	0	0	1
FAGA230	110.4	110.5	G				0	0	0	1
FAGA230	117.6	117.7	G				45	0	0	1
FAGA230	122.6	122.8	G				0	0	0	1
FAGA230	126.5	126.7	G				0	0	0	1
FAGA230	0.0	127.5	F				0	0	0	1
FAGA230	0.0	133.5	G				0	0	0	1
FAGA230	0.0	133.7	G				0	0	0	1
FAGA230	136.1	136.8	B				0	0	0	1
FAGA230	147.8	149.2	DX				0	0	0	1
FAGA230	151.0	151.7	GF	2			99	999	0	1
FAGA230	153.3	154.4	GF	3			0	0	0	1
FAGA230	155.1	155.4	1G				0	0	0	1
FAGA230	157.6	160.2	3B				0	0	0	1
FAGA230	160.2	160.8	BC	5			0	0	0	1
FAGA230	160.8	162.0	B1G				0	0	0	1
FAGA230	162.0	165.1	B				0	0	0	1
FAGA230	165.6	166.6	X				0	0	0	1
FAGA230	166.6	166.8	B				0	0	0	1
FAGA230	167.5	167.9	XB				0	0	0	1
FAGA230	167.9	168.2	B				99	999	0	1
FAGA230	176.2	178.0	G3F				35	0	99	1
FAGA230	197.6	197.9	G				0	0	0	1
FAGA230	200.8	201.0	G				99	999	0	1
FAGA230	203.1	203.6	G				0	0	0	1
FAGA230	209.4	209.6	GS				0	0	0	1
FAGA230	210.5	210.7	GS				99	999	0	1
FAGA230	221.5	221.6	G				99	999	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 25

DDH: FAGA230 UTM-N: 905,394.9 UTM-E: 592,262.3 UTM-ELEV: 1,307.0 TOTAL DEPTH: 221.6 SECTION: W 84
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA230	1	2
FAGA230	2	2
FAGA230	3	2
FAGA230	4	2
FAGA230	5	2
FAGA230	6	1

DIAMOND DRILL CORE LOG

Date: 3 July 82

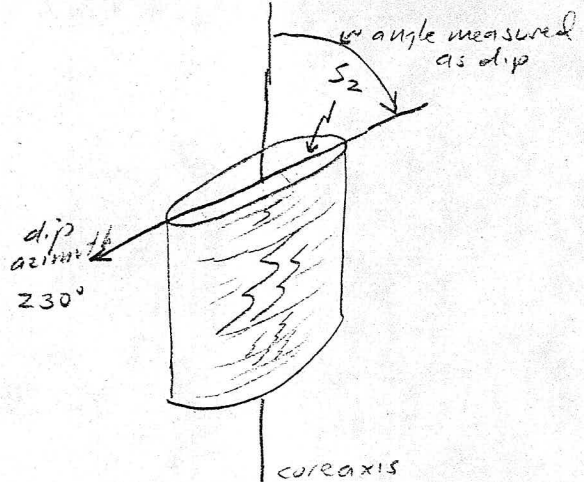
Hole Number: FAG A 230 (82-A-230)

Reference Fabric Orientation Diagram:

Project: GRUM

Location: Vangorda Plateau 105K3/6

Claim: Grum # 3



UTM Terr. Plane Co-ords.: 6905394.943 N

CAMC Mine Survey 592262.294 E

Grid Co-ords: 84W

AEX/KA. grid 13N

All symmetry determinations looking

CAMC Mine Survey Elevation: ~~1306m~~ 1306.995m NW with S2 dipping

Total Depth: 727' (221.0m) SW with dip azimuth 230.

Purpose: to intersect sulfides in steep limb. of grumes cap.

Reason hole Terminated: hit sulfides and passed through Reant Lake Fault

Logged by: DST/GAJ

Date(s) Logged: 2 July 82

Drilling Contractor: Arctic Diamond Drilling

Size	CORE From	To	Collar Cased and Capped:
<u>NW</u>	<u>0</u>	<u>32 (9.8m)</u>	<u>No</u>
<u>NQ</u>	<u>32</u>	<u>727 (221.6m)</u>	

Hole Cemented: no

Steel down hole: none

Started: 21 June Completed: 24 June

Cyprus Anvil Mining Corp.

DDH FAGA230
2 8

Diamond Drill Core Log Date: 3 July Logged By: DSJ

Code	Drillhole								Elevation				Northing				Easting				Units (feet/metres)		R.F.E											
	1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	19	20	21	22	23	24	25	26	27	28	29	30	32	34	36	38	39	41
T	FAGA230								11307.09				09105394.19				592262.3				METERS		S, 2											

Code	Drillhole								Depth				Zenith Angle				True Azimuth				Comments													
	1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	19	20	21	22		23	24	25	26	27	28	29	30	32	34	36	38	39
R	FAGA230								100				180.0				090.0				AT COLLAR													
R	FAGA230								165				177.5				123.0				SPERRY SUM SINGLE SHOT													
R	FAGA230								1347				176.0				139.0																	
R	FAGA230								1957				172.2				128.0																	
R	FAGA230								1567				170.5				127.0																	
R	FAGA230								2176				164.2				141.0																	

Code	Drillhole								Comments, Errant Remarks, Snivellings and / or Lewd Suggestions																													
	1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	19	20	21	22	23	24	25	26	27	28	29	30	32	34	36	38	39	41	42			
									BURP																													


Lithologic Log

Date: 2 July 82 Logged By: GRT/DST
Suitby

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		100		142						11	#	O/B
L		142		148						12	5DD	core broken 13.0-13.3 gauge steeper than S ₂ but indeterminate this interval
L		148		180						13	5B8D	(500) 90:10
L		180		185						14	5DD	
L		185		192						15	5B8D	
L		192		198						16	5DD	
L		198		202						17	5B8D	
L		202		213						18	5DD	
L		213		280						19	5B8D	w/ prominent thin green tuff bands mainly in top 1m; 26.3-27.6 gauge & broken core; top ≈ 11S ₂ uncertain w/ broken 000; lower indeterminate
L		280		299						110	5DD	
L		299		303						111	5B8D	w/ tuff beds as #9
L		303		305						112	5DD	
L		305		348						113	5B8D	" " " " " " (1-3cm thick - 1-2% of section); (500) 90:10; no gauge
L		348		360						114	5DD	
L		360		369						115	5B8D	
L		369		375						116	5DD	
L		375		384						117	5B8D	gauge @ 37.9-38.0 upper/lower ≈ 11S ₂ questionable (1000) ⇒ fault
L		384		402						118	5D*	dol. (50*); core broken & gauged throughout gauges @ 39.2 11S ₂ , 39.4 11S ₂ , 40.0 11S ₂ @ 10 cm thick
L		402		410						119	5B2*	dol.; lower contact faulted, 1cm. gauge @ 45° w/ horz. S ₂ is no direction
L		410		414						120	5D4*	dol.; minor S ₂ 11 gauge
L		414		423						121	5DD	(500); lower contact = fault 45° w/ horz. S ₂ is no direction
L		423		432						122	5B8D	(000, 500) 70:15:15
L		432		438						123	5FG	
L		438		442						124	5D3	
L		442		448						125	5FG	
L		448		455						126	5F*	dol
L		455		487						127	5FD	±6 [5D6 ±0]; gauge 45.6-46.1 indeter.; ^{interval} gauge @ 45° to c.

Lithologic Log

Date: 2 July 82 Logged By: GAT/DST

Code	From	To	Recov.	No.	Unit	Description
1	10 14 16 20 22 24 26 28 30 34 35					
L	487	492		28	5B2	(500) 70:30; core broken; gauge @ 49.0 may be 11 S ₂ ; minor OQO; no major core loss
L	492	520		29	5B2*	dol. (50* dol.) 90:10; no gauge
L	520	585		30	5A*	dol.; core intact; sm gauge @ 52.9 11 S ₂ & @ 58.3 ≈ 11 S ₂
L	585	588		31	5B2*	dol. as #29
L	588	690		32	5A*	dol.; erratic dist" of CO ₃ ; locally broken, no gauge
L	690	713		33	4A10*	dol.; est < 3% Pb/Zn (71.8 = 5.11 gauge
L	713	806		34	5A*	dol.; erratic dol dist"; {73.5 = 5.11 gauge; good trace
L	806	816		35	5D4*	dol., "fuch."; (4E4) 95:5; < 1-2% due to detritus
L	816	833		36	5A10	(5A19); lower contact = fault w/ gauge ≈ 11 S ₂ ; minor py-zns indicates → 4A0 partic. @ beginning of unit
L	833	837		37	5D4*	dol., "fuch.", "rind" on 4E0
L	837	854		38	4E0	(4A0, 4D5, 5D4*, 4A0) 80:5:5:5:5; est < 3% comb.
L	854	857		39	5D*	dol.
L	857	875		40	4E0	±7±4±5 (4D4±5); est. 8% combined layering ≈ 11 c.a. i.e. thin in first half
L	875	904		41	5D4*	dol., "fuch." (4D4); 95:5 < 1% comb.
L	904	943		42	4A4	(4D4) 80:20 est 10% comb.
L	943	946		43	5B2G	(5D4*) much broken core - 14 finger like pieces
L	946	966		44	5D*	dol.; indeter. gauge @ 95.2 (10 cm.)
L	966	971		45	5A119	trans → 5A6
L	971	990		46	5D*	±3 (4D4) trace 4D4 as 2-2 cm. thick bands
L	990	994		47	5B2*	dol.
L	994	1004		48	5D4*	dol. "something as 
L	1004	1016		49	5A*	dol.
L	1016	1027		50	5A0	gauge; 30% recovery; exhibit "foam"-FAULT
L	1027	1033		51	4A0	est 3% combined; prob. 0.5m. loss in broken core
L	1033	1057		52	4D4	(5D4*) 60:40; est. 6% combined; ^{first 0.5 m. broken}
L	1057	1115		53	4A4	(5D4*) 99:1; est 8%+ combined; gauge 110.4-110.5
L	1115	1128		54	4A0*	dol.; transitional → 5A19; est < 1% comb.
L	1128	1141		55	5D4*	(4A0) 95:5
L	1141	1158		56	4A0	±* dol. (5A*, 5D4*); 80:15:5; est. 4% comb.
L	1158	1179		57	5B2*	dol. (5A19 → 4A0 shell) < 1% gauge 117.6-117.7 11 S ₂
L	1179	1216		58	4A4	±3 minor (5D4* dol., fuch) 95:5; est 8%-10%

Lithologic Log

Date: 2 July 82 Logged By: GAT/DSJ

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	11216	11226		59	5A*	dol (5D4*obl.) 90:10
L	11226	11228		60	5B2	gauge; upper 45° to c.o. indeter, lower indeter
L	11228	11249		61	5D4*	dol.
L	11249	11282		62	5A*	(5A19 ⇒ 4A0); gauge 126.5-126.7 // S ₂ ; fault @ 127.5 @ 45°/11
L	11282	11283		63	4E4	(5D4*)
L	11283	11294		64	5A0	upper 0.3 m. core = broken
L	11294	11310		65	4A0	est. <1%
L	11310	11338		66	5A*	dol ⇒ 5A19; gauge @ 133.5 & 133.7 // S ₂
L	11338	11361		67	5D4*	dol, "fch" (4D0 margins & infolds)
L	11361	11368		68	5A0	trans 5A19 ⇒ 4A0 suit; broken through
L	11368	11381		69	4A4	est 5% combined
L	11381	11396		70	5D4*	(OQ*) 80:20
L	11396	11424		71	4A4	(4D4) marginal to 5D4*; est 8%; 95.5 and is prob. an F ₂ M. region w/ repetition of structure 4D4 margins
L	11424	11430		72	5D4*	
L	11430	11435		73	4D4	(5D4*) est. 10%; highly folded
L	11435	11442		74	4A4	est 10% comb.
L	11442	11478		75	5A19	⇒ 4A0 suit <1% combined
L	11478	11492		76	4A4	⇒ 4D4/5 w/ boudinage, variation & local injection textures; est 15% comb.
L	11492	11502		77	5A6	
L	11502	11510		78	5D4*	(4D4, 4A4) 40:30:30 4D marginal to 5D est 6% comb.
L	11510	11517		79	5A0	gauge zone indeter top & bottom; (5D4* 4D4) all broken; 20% recy FAULT
L	11517	11530		80	5D4*	
L	11530	11533		81	4D4	10% PbZn
L	11533	11544		82	5A6	GAUGE upper sub // S ₂ lower ind ~30% recovery
L	11544	11551		83	4A4	10% PbZn
L	11551	11554		84	5A0	10cm. S ₂ // gauge
L	11554	11556		85	4E4	(5D4*)
L	11556	11569		86	5D4*	
L	11569	11573		87	4D45	est 20% comb.
L	11573	11576		88	5A19	⇒ 4A0 garbage

Lithologic Log

Date: 2 July 82 Logged By: GAT/DST

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1576	1602		89	5D4*	dol, fuch; badly broken, no major gauge
L	1602	1608		90	4A34	core broken, case, 50% recovery, no gauge
L	1608	1620		91	5A*	dol. " " thruout interval; minor gauge
						all indeterminate - gauge probably washed away
L	1620	1651		92	4A0	est. 5% combined; core broken thruout not much core loss, no gauge
L	1651	1656		93	5D41*	dol, fuch
L	1656	1666		94	4A0	brca (5D4*) < 2%
L	1666	1668		95	4A0	broken
L	1668	1675		96	5D4*	
L	1675	1679		97	4A0	broken, brated
L	1679	1682		98	5A0	" (C00)
L	1682	1721		99	5B2*	dol (5D4*dol.) 90:10
L	1721	1748		100	5D0	} intact, no gauge not brated
L	1748	1762		101	5B0	
L	1762	1777		102	5B0	gauge & fault foam; major fault; upper ≈ 11S ₂ , lower indeterminate
L	1777	1808		103	5B*	dol±2 (5D4*dol) 85:15, top 0.3m. is gougled 11S ₂ w/ 000 i.e. continuation of above fault
L	1808	1847		104	5D0	(5D4*)
L	1847	1867		105	5B0	(5D0) 90:10
L	1867	1904		106	5B6	
L	1904	1923		107	5D*	dol [5C*mottled] (5D0)
L	1923	1935		108	5B0	(5B0, 5D0)
L	1935	1948		109	5D0	
L	1948	1951		110	5B0	
L	1951	1958		111	5D0	
L	1958	1964		112	5B0	
L	1964	1967		113	5D0	
L	1967	1976		114	5B6	
L	1976	1996		115	5B0	(5D0) minor; 197.6-197.9 = gauge upper 35°/00, lower ≈ 11S ₂
L	1996	2010		116	5B6	±0; 200.8-201.0 = gauge 11S ₂ but some destruction of S ₂ nr. gauge zero

Lithologic Log

Code	From				To				Recov.				No.		Unit	Description
	1	10	14	16	20	22	24	26	28	30	34	35				
L	201	0			203	8							117	5B1*	del.; gauge 203.1-203.6 lower & upper π // S ₂	
L	203	8			206	3							118	5D0	(S80) 90'10	
L	206	3			209	6							119	5B8	\pm 2 w/ tuff interbands; [SFO(S00)]; gauge 115 ₂ 209.4-209.6 local shearing 115 ₂	
L	209	6			211	05							120	SFO		
L	211	05			221	6							121	5A3	\pm 0(SD3) 98:2; 210.5-210.7 = gauge π // S ₂ unit above & below sheared w/ qtz -CO ₂ veins @ 45° (conjugate to main shear 115 ₂); SD3 occurs 215.8- 216.7 & v. calc.; gauge 221.5-221.6 115 ₂ - lower indeterminate	

Structural Log

Date: 2 July 82 Logged By: GAT/DST

Code	From			To			Feature	S ₀ Dip Direct.	S ₁		S ₂		Description	
	10	14	16	20	22	24			26	28	32	34		38
S				111	1		CS2					60		not 230'
S				119	1		INDP					67		
S				124	5		INDP					70		
S				132	9		INDP					71		
S				137	7		INDP					66		
S				141	8		CS2					82		
S				146	4		CS2					75		
S				154	5		INDD					64		CS2 Assholes!
S				158	6		INDP					60		
S				164	0		INDD					69		CS2 This is ridiculous!
S				169	7		INDD					70		
S				175	2		INDD					75		CS2
S				181	8		CS2					45		nearly D
S				188	7		INDP					80		
S				194	8		INDP					70		
S				199	1		INDD					65		CS2
S				197	4		CS2					80		incipient S ₂
S				190	2		CS2					70		
S				197	3		INDD					75		
S				192	3		INDP					85		
S				192	8		INDD					70		
S				193	5		INDD					83		
S				193	0		CS2					80		
S				194	3		CS2					63		
S				198	3		CS2					70		
S				195	2		CS2					82		
S				195	4		INDP					65		
S				196	3		INDD					70		CS2
S				196	8		INDD					60		"
S				197	5		INDD					78		
S				198	4		INDP					82		
S				198	5		INDP					80		w/shallow CS ₂ 70°/180
S				199	5		INDD					70		CS2
S				198	5		INDD					65		"
S				200	3		INDP					72		
S				209	7		INDP					85		

Structural Log

Date: 2 July 82 Logged By: GAT/JST

Code	From					To					Feature	S ₀ Dip Direct.	S ₁		S ₂		Description		
	10	14	16	20	22	24	26	28	32	34			38	40	44	Dip Direct.		Dip Direct.	
U					2140						CS ₂						75		not 230°
U					2170						CS ₂						82		
U					2210						INDD						82		CS ₂

ASSAY LOG (SAMPLER'S COPY) Date 2 July 82 Sampled by _____

CODE	FROM		TO		SAMPLE		INTR.		REC (m)	UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	
P	183	7	185	4	12470		17		16	4EC		(440, 405, 504*, 440)
P	185	7	187	5	12471		18		16	4ED		±7±4±5 (404±5)
P	190	4	192	5	12472		21		20	4AA		(404)
P	192	5	194	3	12473		18		18	4AA		(404)
P	102	7	103	3	12474		06		05	4AO		
P	103	3	105	7	12475		24		23	4D4		(504*)
P	105	7	107	7	12476		20		19	4AA		(504*)
P	107	7	109	7	12477		20		20	4AA		(504*)
P	109	7	111	5	12478		18		15	4AA		(504*)
P	111	1	115	8	12479		17		17	4AO		±* (5A*, 5D4*)
P	117	9	119	8	12480		19		18	4AA		(504*)
P	119	8	121	6	12481		18		17	4AA		(504*)
P	136	8	138	1	12482		13		11	4AA		
P	139	6	142	4	12483		28		26	4AA		(404)
P	143	0	144	2	12484		12		10	4D4		(4AA, 504*)
P	147	8	149	2	12485		14		14	4AA		(4045)
P	150	2	151	0	12486		08		07	5D4*		(404, 4AA)
P	153	0	155	1	12487		21		14	4AA		(404, 5A6)
P	162	0	165	1	12488		31		27	4AO		

ASSAY LOG (SAMPLER'S COPY)

Date 2 July 82 Sampled by _____

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT	DESCRIPTION	
	10	14	16	20	22	26	28	30	32	34	36		40
F	1656		1679		12489			23		20		4AD	(504*)

DDH FAGA 230
2 WAS 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From		To		Feature	S ₁ E	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
	130		133		G								
	263		276		GB			11S ₂					
	379		380		GFP			11S ₂			11S ₂		
	384		402		BE				11S ₂				
			410		GIF				45000				
	410		414		IG				11S ₂				
			423		IF				45000				
	456		461		G				45000				
	487		492		BIG								
			529		IG				11S ₄				
			583		IG				11S ₂				
			604		IG								
			718		IG				11S ₂				
			735		IG				11S ₂				
			833		FG				11S ₂				
	943		946		3BP								
			952		G								
	1016		1027		3GF 3								
	1027		1052		B 8								
	1104		1105		G								
	1176		1177		G				11S ₂				
	1226		1228		G			45000					
	1265		1267		G								
			1275		F				45000				
			1335		G				11S ₂				
			1337		G				11S ₂				
	1361		1368		B								
	1478		1492		DX								
	1510		1517		GF 2								
	1533		1544		GF 3			11S ₂					
	1551		1554		IG				11S ₂				
	1576		1602		3B								
	1602		1608		BG 5								
	1608		1620		BIG								
	1620		1651		B								
	1656		1666		X								

DDH FAG230
 2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

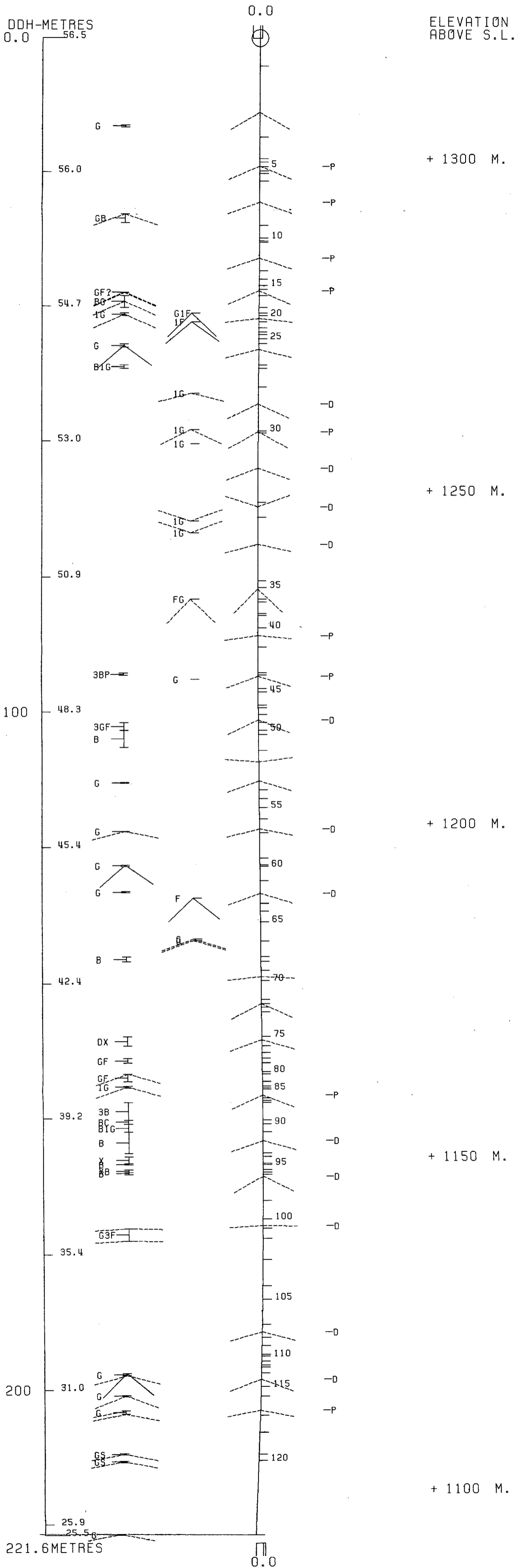
Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	SYM	S ₀		S ₁		S ₂		Description			
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		32	34	38
F	1157	5	1167	9			XB													
F	1166	6	1166	8			B													
F	1167	9	1168	2			B													
X	1176	2	1178	0			G3F			11S ₂							11S ₂			
F	1191	7	1197	9			G			3S	0.00						11S ₂			
F	1200	8	1201	0			G					11S ₂								
F	1203	1	1203	6			G			11S ₂							11S ₂			
F	1209	4	1209	6			GS					11S ₂								
F	1210	5	1210	7			GS					4S ₂								
F	1221	5	1221	6			G			11S ₂										

DDH: FAGA230 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV:1307 592262E ; 905395N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 768.9 Z = 1318.0
 SECTION NAME: 82W



DDH: FAGA230 -- 42 DEGREE PROFILE

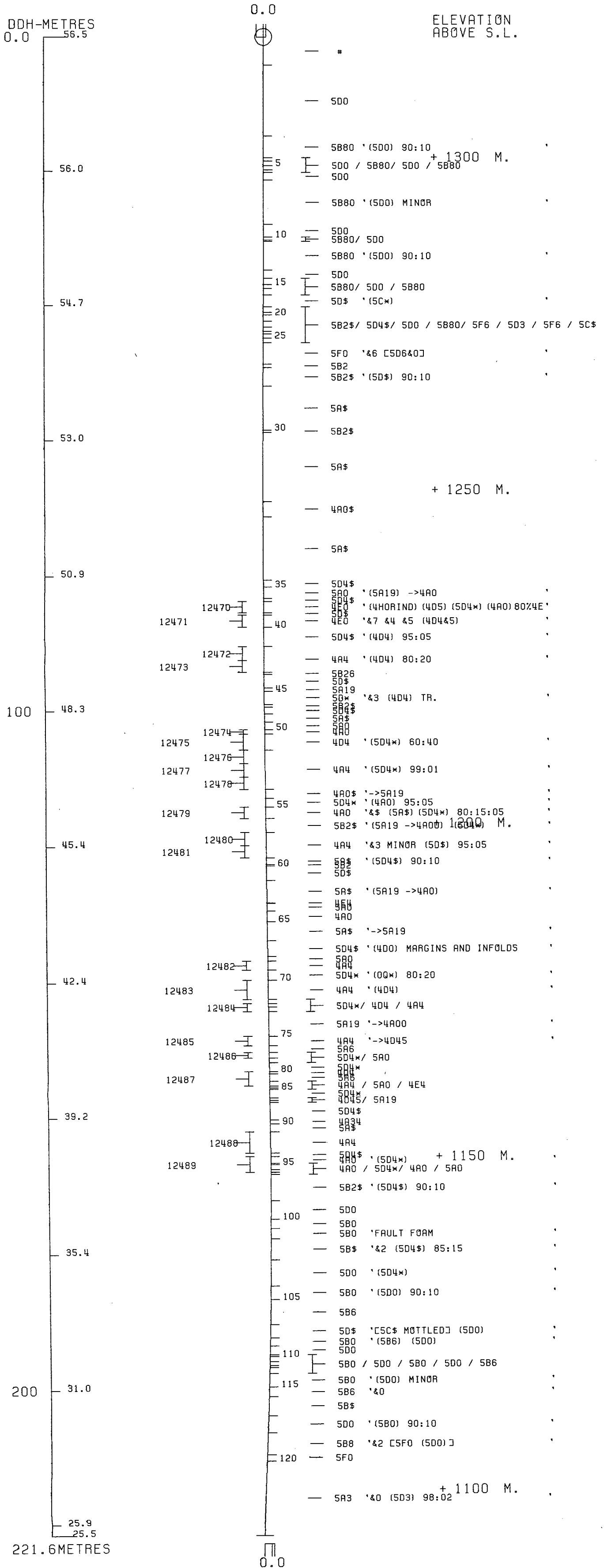
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1307 592262E ; 905395N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 768.9 Z = 1318.0

SECTION NAME: 82W



A-234.

		Pb	Zn	PiZn	Int.
76.6 - 79.1	12690.	1.66	5.42	7.08	2.5.
79.8 - 80.1	12691	3.70	7.91	11.61	0.3
83.7 - 84.0	12692	0.84	1.62	2.46	0.3
84.0 - 86.9	3	0.94	1.55	2.49	2.9.
86.9 - 89.1	4	7.64	13.5	<u>21.14</u>	<u>2.2</u>
					5.4. @ 10.09
91.1 - 91.8	12695	5.15	9.30	14.45	0.7.
96.3 - 98.1	12696	3.90.	5.07	8.97	1.8
103.8 - 105.0	12697	8.10	15.2	23.30.	1.2.
105.0 - 107.5	12698	1.90	4.98	6.88	<u>2.5</u>
					3.7 @ 12.21
110.4 - 112.6	12699	7.42	11.0	18.42.	2.2
112.6 - 114.6	12700	1.66	2.91	4.57.	<u>2.0</u>
					4.2 @ 11.82
120.6 - 125.0	12701	0.64	1.24	1.88	4.4.
125.5 - 128.2	12702	3.13	2.91	6.04	2.9.

DRILL HOLE : FAGA234
NORTHING : 905,353.1
EASTING : 592,307.8
ELEVATION : 1,303.0
TOTAL DEPTH : 165.0
SECTION : W 82
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 13
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 68
NOS DOWN-H-STRUCTURE: 26
NOS DOWN-H-FAULTS: 31
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

17OCT83 GRUM

ORE SAMPLES & ASSAYS (DHO20)

PAGE: 18

DDH: FAGA234 UTM-N: 905,353.1 UTM-E: 592,307.8 UTM-ELEV: 1,303.0 TOTAL DEPTH: 165.0 SECTION: W 82
 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 %
76.6	79.1	12690	2.5	2.5 4E4	4.33	.01	1.65	5.42	28.99		.89	2	30	32					
79.8	80.1	12691	.3	.3 4E4		.02	3.70	7.91	56.99										
83.7	84.0	12692	.3	.3 4E0		.02	.83	1.62	17.00										
84.0	85.9	12693	2.9	2.3 4A0		.02	.93	1.55	18.00										
86.9	89.1	12694	2.2	2.2 4E0	3.74	.05	7.63	13.50	134.00		1.16	2	12	15					
91.1	91.8	12695	.7	.5 4D4		.02	5.16	9.30	115.99										
96.3	98.1	12696	1.8	1.4 4DA	3.45	.08	3.89	5.07	57.99		1.30	2	14	16					
103.8	105.0	12697	1.2	1.1 4DE4	4.08	.10	8.10	15.19	127.99		.95	3	17	20					
105.0	107.5	12698	2.5	2.5 4DA	3.02	.02	1.89	4.98	29.99		.40	3	3	6					
110.4	112.6	12699	2.2	1.8 4D4	3.56	.05	7.41	11.00	152.00		.55	6	5	11					
112.6	114.6	12700	2.0	2.0 4A0	3.02	.02	1.65	2.91	30.99		.62	5	2	7					
120.6	125.0	12701	4.4	1.9 4A0	3.06	.02	.64	1.24	15.99		.20	1	7	9					
125.5	128.2	12702	2.7	2.7 4A4	2.91	.02	3.12	2.91	33.00		.47	1	1	3					
WEIGHTED AVERAGE																			
76.6	79.1		2.5	2.5	4.33	.01	1.65	5.42	28.99		.89	2	30	32					
79.8	80.1		.3	.3		.02	3.70	7.91	56.99										
83.7	89.1		5.4	4.8	1.52	.03	3.66	6.42	65.20		.47		5	6					
91.1	91.8		.7	.5		.02	5.16	9.30	115.99										
96.3	98.1		1.8	1.4	3.45	.08	3.89	5.07	57.99		1.30	2	14	16					
103.8	107.5		3.7	3.6	3.36	.04	3.91	8.29	61.78		.58	3	8	11					
110.4	114.6		4.2	3.8	3.30	.04	4.67	7.14	94.38		.58	5	3	9					
120.6	125.0		4.4	1.9	3.06	.02	.64	1.24	15.99		.20	1	7	9					
125.5	128.2		2.7	2.7	2.91	.02	3.12	2.91	33.00		.47	1	1	3					

17OCT83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 19

DDH: FAGA234 UTM-N: 905,353.1 UTM-E: 592,307.8 UTM-ELEV: 1,303.0 TOTAL DEPTH: 165.0 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
36.900	177.000	143.000
97.300	164.500	129.000
158.800	161.000	113.000

DDH: FAGA234 UTM-N: 905,353.1 UTM-E: 592,307.8 UTM-ELEV: 1,303.0 TOTAL DEPTH: 165.0 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
11.4	0001	#		0.5-	1
15.0	0002	5C\$		0.5-	1
15.7	0003	5B86	(10Q0)	0.5-	1
18.9	0004	5C\$		0.5-	1
19.9	0005	5B68	(10Q0)	0.5-	1
20.5	0006	5B26	\$	0.5-	1
22.5	0007	5D0	\$6 ->5B86	0.5-	1
23.4	0008	5C*		0.5-	1
24.5	0009	5B\$	\$6	0.5-	1
25.8	0010	5D0	\$6 \$ (5C\$)	0.5-	1
29.5	0011	5A0		0.5-	1
31.8	0012	5B20	\$ (5D4\$)	0.5-	1
43.6	0013	5A19	\$ (4A0)	0.5-	1
45.4	0014	5C4\$	(5B26)(5A6) 70:30	0.5-	1
52.7	0015	5A\$	(5A6)(5C\$4) 98:02	0.5-	1
54.1	0016	5B2*	\$0	0.5-	1
55.3	0017	5B*4		0.5-	1
58.3	0018	5B\$	\$2 (5D4\$) 75:25	0.5-	1
60.1	0019	5D4*	[5C4*]	0.5-	1
62.2	0020	5B2\$		0.5-	1
64.2	0021	5A0	(5B0) GOUGE	0.5-	1
66.6	0022	5B2	\$ (5D\$) \$BXA	0.5-	1
67.6	0023	5A19	\$*	0.5-	1
76.6	0024	5A19	\$ ->4A0	0.5-	1
79.1	0025	4E4	(4A3)(4D4) 80:10:10	0.5-	1
79.8	0026	4A\$	->5A19	0.5-	1
80.1	0027	4E4		0.5-	1
83.7	0028	4A\$		0.5-	1
84.0	0029	4E0	\$5	0.5-	1
86.9	0030	4A0		0.5-	1
89.1	0031	4E4	(4D4)(4A4)	0.5-	1
91.1	0032	5C\$	[5D\$]	0.5-	1
91.8	0033	4D4		0.5-	1
96.3	0034	5D\$	(4D4)(4E4) 95:05	0.5-	1
97.5	0035	4D4		0.5-	1
98.1	0036	4A3	(5D4\$) 80:20	0.5-	1
103.4	0037	5D4\$	(4A0)(4D4) 70:30	0.5-	1
103.8	0038	5A6		0.5-	1
105.0	0039	4D4	(4E4)	0.5-	1
106.1	0040	4A0	->5A19*	0.5-	1
107.5	0041	4D4	(4A0)(5D4*) 60:20:20	0.5-	1
110.4	0042	5D4\$	(4D4)(4E4) 85:15	0.5-	1
114.6	0043	5D4*	(4J*)(4D4)(4A4)(4A0)	0.5-	1
119.8	0044	5A\$		0.5-	1
120.6	0045	5D4\$	[5C\$]	0.5-	1
121.1	0046	4E0		0.5-	1
125.0	0047	4A0		0.5-	1
125.5	0048	5D4*	(4D0) 50:50	0.5-	1
128.2	0049	4A4	(5D4*) 95:05	0.5-	1
128.7	0050	5A6		0.5-	1
130.4	0051	5B26		0.5-	1

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 21

DDH: FAGA234 UTM-N: 905,353.1 UTM-E: 592,307.8 UTM-ELEV: 1,303.0 TOTAL DEPTH: 165.0 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
131.8	0052	5C4*		0.5-	1
137.9	0053	5B20	88(5B6&8)(5C*4)(500)60:20:15:5	0.5-	1
139.8	0054	5F0	(5C0)(500) 75:10:15	0.5-	1
140.3	0055	5C4\$		0.5-	1
141.0	0056	500		0.5-	1
143.6	0057	5B80	(500 8*)	0.5-	1
144.0	0058	500		0.5-	1
147.0	0059	5B28	80	0.5-	1
147.9	0060	500		0.5-	1
152.9	0061	5B28	80 [86] (1000) 85:15	0.5-	1
153.7	0062	504\$		0.5-	1
154.3	0063	504*	(5B2*)	0.5-	1
154.7	0064	504\$		0.5-	1
156.2	0065	5B8	80	0.5-	1
156.7	0066	5B26		0.5-	1
158.2	0067	500	(5B8)	0.5-	1
165.2	0068	5B0	88 82 (500) MINOR	0.5-	1

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DOWN-HOLE STRUCTURE (DH020)

PAGE: 22

DDH: FAGA234 UTM-N: 905,353.1 UTM-E: 592,307.8 UTM-ELEV: 1,303.0 TOTAL DEPTH: 165.0 SECTION: W 82
 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	
FAGA234	0.0	15.8	PS2	P	0	0	50	230	0	1	1	1
FAGA234	0.0	24.3	CS2		0	0	60	230	0	1	1	1
FAGA234	0.0	28.3	PS2	P	0	0	75	230	0	1	1	1
FAGA234	0.0	35.8	CS2	D	0	0	60	230	0	1	1	1
FAGA234	0.0	41.3	CS2	D	0	0	60	230	0	1	1	1
FAGA234	0.0	46.8	PS2	P	0	0	45	230	0	1	1	1
FAGA234	0.0	53.9	PS2	P	0	0	35	230	0	1	1	1
FAGA234	0.0	57.3	PS2	P	0	0	50	230	0	1	1	1
FAGA234	0.0	65.3	PS2	P	0	0	60	230	0	1	1	1
FAGA234	0.0	69.0	CS2		0	0	75	230	0	1	1	1
FAGA234	0.0	75.9	CS2		0	0	58	230	0	1	1	1
FAGA234	0.0	81.7	CS2		0	0	65	230	0	1	1	1
FAGA234	0.0	89.2	PS1	P	0	0	60	230	0	1	1	1
FAGA234	0.0	93.3	PS1	P	0	0	60	230	0	1	1	1
FAGA234	0.0	102.2	PS1	P	0	0	65	230	0	1	1	1
FAGA234	0.0	106.8	PS1	P	0	0	64	230	0	1	1	1
FAGA234	0.0	113.9	PS1	P	0	0	50	230	0	1	1	1
FAGA234	0.0	118.8	CS2		0	0	70	230	0	1	1	1
FAGA234	0.0	125.2	PS1	P	0	0	52	230	0	1	1	1
FAGA234	0.0	129.0	CS2		0	0	65	230	0	1	1	1
FAGA234	0.0	136.0	CS2		0	0	75	230	0	1	1	1
FAGA234	0.0	143.8	CS2		0	0	72	230	0	1	1	1
FAGA234	0.0	146.4	CS2		0	0	65	230	0	1	1	1
FAGA234	0.0	155.1	CS2		0	0	69	230	0	1	1	1
FAGA234	0.0	159.4	CS2		0	0	52	230	0	1	1	1
FAGA234	0.0	164.3	CS2		0	0	55	230	0	1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 23

DQH: FAGA234 UTM-N: 905,353.1 UTM-E: 592,307.8 UTM-ELEV: 1,303.0 TOTAL DEPTH: 165.0 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DQH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGA234	18.7	18.9	1G				0	0	99	999	0	0	1
FAGA234	22.5	23.4	B1G				0	0	99	999	0	0	1
FAGA234	25.8	26.9	B1F	5			0	0	0	0	0	0	1
FAGA234	28.8	29.5	G3F				0	0	99	999	0	0	1
FAGA234	32.8	35.4	GBX				0	0	0	0	0	0	1
FAGA234	45.9	48.4	3BG				0	0	99	999	0	0	1
FAGA234	48.4	54.1	B1G				0	0	0	0	0	0	1
FAGA234	58.3	59.5	B				0	0	0	0	0	0	1
FAGA234	59.5	60.0	G				0	0	99	999	0	0	1
FAGA234	60.1	62.2	B2G				0	0	99	999	0	0	1
FAGA234	62.2	64.2	G				0	0	0	0	99	999	1
FAGA234	64.2	66.6	BXG				0	0	0	0	0	0	1
FAGA234	66.6	67.6	GX				0	0	99	999	0	0	1
FAGA234	85.0	85.6	BPG				0	0	0	0	0	0	1
FAGA234	85.6	86.8	BPG				0	0	99	999	0	0	1
FAGA234	96.3	97.5	B	3			0	0	0	0	0	0	1
FAGA234	98.1	103.4	3BG	5			0	0	0	0	0	0	1
FAGA234	0.0	103.5	G				0	0	99	999	0	0	1
FAGA234	110.4	114.6	3B				0	0	0	0	0	0	1
FAGA234	121.1	121.8	NP				0	0	0	0	0	0	1
FAGA234	121.8	125.0	3BP				0	0	0	0	0	0	1
FAGA234	125.5	128.2	X				0	0	0	0	0	0	1
FAGA234	128.2	128.4	G				0	0	99	999	0	0	1
FAGA234	140.3	141.0	1GB				0	0	99	999	0	0	1
FAGA234	141.6	142.0	GB				0	0	99	999	0	0	1
FAGA234	142.2	142.3	GB				0	0	99	999	0	0	1
FAGA234	142.7	142.8	GB				0	0	99	999	0	0	1
FAGA234	143.0	143.3	GB				0	0	99	999	0	0	1
FAGA234	144.0	147.0	1G				0	0	99	999	0	0	1
FAGA234	151.5	152.1	G				99	999	0	0	0	0	1
FAGA234	153.7	154.3	G3F				99	999	0	0	99	999	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 24

DDH: FAGA234 UTM-N: 905,353.1 UTM-E: 592,307.8 UTM-ELEV: 1,303.0 TOTAL DEPTH: 165.0 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA234	1	2
FAGA234	2	2
FAGA234	3	2
FAGA234	4	1

82W

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 9
Date: 20 July 82

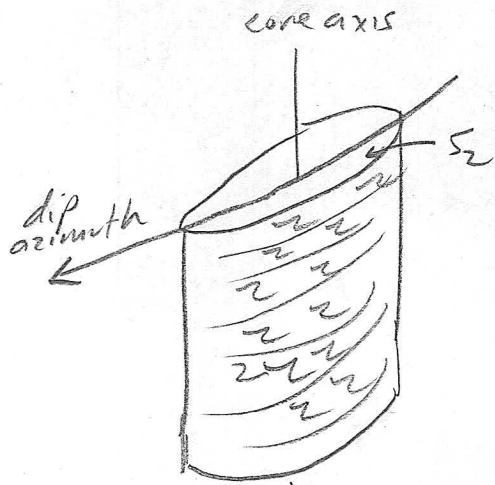
Hole Number: FAGA 234

Reference Fabric Orientation Diagram:

Project: gum

Location: Vungrocla Plateau

Claim: Gum #2



UTM ~~Terr. Plane~~ Co-ords.: 6905353.140 N

CAMC Mine Survey Co-ords.: 592307.840 E

Grid Co-ords: 82W

13N

All symmetry determinations looking

CAMC Mine Survey Elevation: ~~1304 m~~ 1302.975

NW with S2 dipping

Total Depth: 542' (165.2 m)

SW with dip azimuth 230. was 295° in 1982

Purpose: to test northeast extent of F1 steep limb of Gnomes cap

Reason hole Terminated: test hole penetrated Bankrupty Break bottomed in Green Eggs + Ham mbr of EO

Logged by: DSJ/GAJ

Date(s) Logged: _____

Drilling Contractor: Arctic 00

Size	CORE From	To	Collar Cased and Capped:
<u>NW</u>	<u>0</u>	<u>32'</u>	<u>No</u>
<u>NP</u>	<u>32'</u>	<u>542'</u>	

Hole Cemented: no

Steel down hole: none.

Started: 2 July 82 Completed: 4 July 82

DDH FAGA.234
 2 8

Diamond Drill Core Log

Date: _____ Logged By: GAT/DSJ

Code	Drillhole	Elevation				Northing				Easting				Units (feet/metres)	R.F.E
		8	10	16	17	17	24	25	32	34	39	41	42		
T	FAGA.234	1303.	09	05353.	1592307.	8	METERS	5.2							

Code	Drillhole	Depth		Zenith Angle	True Azimuth	Comments
		10	14	22	26	
R	FAGA.234	0000		180.0	000.0	AT COLLAR
R	FAGA.234	1369		177.0	143.0	
R	FAGA.234	1978		164.5	129.0	
R	FAGA.234	1588		161.0	113.0	

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

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	100	114		1	*	underburden
L	114	150		2	SC*	dolo. mottled texture.
L	150	157		3	SB86	(oppo) unit weakly banded trans in part to S06
L	157	189		4	SC*	dolo. d. mottled on S ₂ - minor S ₂ 11 gauge 18.7-18.9
L	189	199		5	SB68	(oppo) not identical to 368 in 456-75-06:07 since has relict lithons.
L	199	205		6	SB26	±* dolo. unit well bedded no grading seen. minor con lithons incipient post D ₂ cren foln
L	205	225		7	SD0	±6 → SB86 well banded. - poor to weakly dev. lithon struct.
L	225	234		8	SC*	broken incip. gauge 11 S ₂ thought.
L	234	245		9	SB*	± dol. + ank
L	245	288		10	SD0	±6 ±* dolo. (SC* dol.) zone of heavily broken core 25.8-26.9 ~ 50% recovery no gauge - minor fault.
L	288	295		11	SAP	entire unit gauged 11 S ₂ - major fault
L	295	318		12	SB20	±*(SD4* dol.)
L	318	436		13	SA19	* dolo. (4A0) 4A0 at 33.4-33.8 and 37.9-38.4 zone of gauge and broken core from 32.8-35.4 S ₂ 11 gauge at top of interval but unreliable due to broken core - lower ^{cut} ind. minor bra at 33.4 probably not a major fault zone.
L	436	454		14	SC4*	dolo. (SB26) (SA6) 70:30 for others. "Fuch" in SC.
L	454	527		15	SA*	dolo. (SA6) (SC*4 dolo.) = 2% of interval. interval badly broken much S ₂ 11 gauge heaviest at 45.9-48.4 interval fabric suggests S ₂ 11 fault - only minor fault?
L	527	541		16	SB2*	±0 minor lithon structure. ± S ₂ 11 gauge.
L	541	553		17	SB*4	rock is light buff grey thinly to laminae banded - pervasively foliated with characteristic light grey micae. folia bounding heavily carbonated layers - heavily cross fractured

Lithologic Log

Date: 6 July 82 Logged By: DSJ/GAJ

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						with py bearing horizonal veins - suspect unit is carbonated S17 or SB*
						as seen below.
L	553	583	1	18	SB*	±2 dolo (SD4*) fuch. 75.25 unit very similar to above with dolo. rich S ₂ folia bounded by carbonac stripes (making it darker) - locally very similar
L	583	601		19	SD4*	[SD4*] interval broken through S ₂ 11 gouge zone. from 59.5-60.0
L	601	622		20	SB2*	dolo. entire unit broken and imp. S ₂ 11 gouge with many 1-5 cm gouge zones throughout - last 2 units in hanging wall of major fault below.
L	622	642		21	SA01	(SB0) GOUGE - entire interval foliaceous gouge upper ind. lower ~ 11 S ₂
L	642	666		22	SB21	±* (SD* dolo) ± bxa throughout interval. unit moderately broken - numerous S ₂ 11 gouges. and large amounts of bxa. of mosaic or crackle type.
L	666	676		23	SA19	±* with much S ₂ 11 gouge and bxa.
L	676	766		24	SA19	±* dolo → 4A0 sh. ty - 4A at 74.2-74.4
L	766	791		25	4E01	(4A3)(4D4) 80.10.10 4-5% PbZn mainly at top. From top to bottom 76.6-76.9 = 4A3 76.9-77.2 = 4E4 77.2-77.6 = 4D4 77.6-77.9 = 4A3 77.9-79.1 4E0 barren
L	791	798		26	4A1*	dolo → SA19 dolo bands contain finely xln py w/ minor sphal + gal <1% PbZn - distinctive banded appearance.
L	798	810		27	4E41	well banded good grade 12-14% PbZn may be same unit as 4E4 above.
L	810	837		28	4A1*	dolo - gta + dol. banded with coarsely xln essentially no sphal or gal - similar but not identical to unit 26 - 10 cm 4E band at 81.6-81.7
L	837	840		29	4E41	±5 similar to above < also similar to 4E4 from

no split

no split

Lithologic Log

Date: 6 July

Logged By: DST/GAT

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						Madagascar 4-5% PbZn
L	840	869		30	4A0	heavily broken incip. bxn many gouge mainly S ₂ where intact 2-3% PbZn (090)
						zone of broken core: poor recovery 85.0-85.6 and 86.3-86.8 (w.s. gouge) probable minor fault
L	869	891		31	4E4	(404)(4A4) crude anvil cycle but not perfect. 12-13% PbZn 86.9-87.9 = 4E 87.9-88.4 = 404 88.4-89.9 = 4A4 89.7-89.9 = 404 margin to SC below. (Mosquitoes biting & rx chewing badly)
L	891	911		32	5C*	dolo [SD*] unit remarkably intact.
L	911	918		33	4D4	10% PbZn.
L	918	963		34	5D*	dolo. (404)(4E4) 95:5 - sulfs as thin bands in SD
L	963	975		35	4D4	11 S ₂ (1-3 cm thick) from 94.6-95.2 core broken throughout significant core loss as < 4 m recovered. 9-10% PbZn but low grade could be washed away
L	975	981		36	4A3	(5D4*) dol. 80:20 2-3% PbZn
L	981	1034		37	5D4*	dolo. (4A0)(404) 70:30 av 1-2% but sulf bands high grade - interval completely broken - small lumps of gouge - everything is incl. - 2.5-3 m recovery over interval.
L	1034	1038		38	5A6	3 cm S ₂ gouge in middle of unit
L	1038	1050		39	4D4	(4E4) 15% PbZn may be same as unit 31 but ?
L	1050	1061		40	4A0	→ 5A19* unit largely intact
L	1061	1075		41	4D4	(4A0)(5D4*) 60:20:20 7% PbZn unit intact
L	1075	1104		42	5D4*	dol (4D4)(4E4) 85:15 2-3% PbZn by dilution 108.9-109.5 zone containing sulfides.
L	1104	1146		43	5D4*	(4J*)(404)(4A4)(4A0) interval heavily broken some core loss - complex interbanding 110.4-110.9 = 4J, 110.9-111.2 = 5D4*, 111.2-112.6 = 404, 112.6-113.0 = 5D4*, 113.0-113.4 = 4A4, 113.4-113.6 = 5D4* 113.6-113.9 = 4A0, 113.9-114.6 = 5D4* 6-8% PbZn

no 33 ✓

✓

✓

✓

✓

✓

✓

✓

check 110.9-111.2 SD on 40

Lithologic Log

Date: 6 July 82 Logged By: DSJ/GAS

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1146	1198		44	SA*	dolo. unit remarkably intact for this lithology - 119.
L	1198	1206		45	SD4*	[SC*] dolo
L	1206	1211		46	4E0	
L	1211	1250		47	4A0	interval entirely broken - no core recovery 121.1-121.8 = mud seam - <1m core recovery over interval - major fault P no attitudes possible 1-2% but??
L	1250	1255		48	SD4*	(400) as margins above and below - nil grade overall. 50:50 = 50/50
L	1255	1282		49	4A0	brecc. (SD4*) 95:5 <5% PbZn
L	1282	1287		50	SA6	S ₂ II gouge 128.2-128.4
L	1287	1304		51	SB26	
L	1304	1318		52	SC4*	highly carbonated - light pinkish grey beige color - lacks notable chlorite
L	1318	1379		53	SB20	±8 (SB6±8) (SC*4) (SD0) 60:23:20/15:2-5
L	1379	1398		54	SF0	(SC0) (SD0) 75:10:15
L	1398	1403		55	SC4*	dolo
L	1403	1410		56	SD0	incip. gouge II S ₂ throughout interval - broken core.
L	1410	1436		57	SB80	(SD0±*) entire interval broken and gouged mainly II S ₂ major gouges at: 141.6-142.0 142.2-142.3 142.7-142.8 143.0-143.3 core is rubbish
L	1436	1440		58	SD0	finally a recognizable unit
L	1440	1470		59	SB28	±0 minor incip S ₂ II gouge - unit generally intact
L	1470	1479		60	SD0	typical SD0 - almost only typical unit in this entire sequence of greenish grunge.
L	1479	1529		61	SB28	±0±67(000) 15% major gouge at 151.5-152.1 upper 11 S ₂ lower ind.
L	1529	1537		62	SD4*	unit light green weakly dolomitic but cream colored massive CO ₂ last 4cm
L	1537	1543		63	SD4*	gouge (SB2*) gouge upper 11 S ₂ lower 11 S ₂ = major fault

Lithologic Log

Date: 6 July 82 Logged By: DSJ/GJ

Code	From	To	Recov.	No.	Unit	Description
L	11543	11547		64	SD4*	dolo
L	11547	11562		65	SB8	±0 rock pervasively foliated medium grey green - unit of uncertain protolith
L	11562	11567		66	SB26	
L	11567	11582		67	SD0 (SB8)	
	11582	11652		68	SB0	±8 ±2 (SD0) very minor
						General comment on interval from 131.8 to 165.2 : Blech
						unit subdivision very tenuous and difficult with only SD 5F and SD4* being comfortably identified.
						Rocks very firm mid green - grey green & back - very difficult to subdivide in meaningful and consistent fashion.
						Entire unit could happily be lumped as either mixed assemblage of meta-volcanic and metasedimentary, interbands of similar composition or entire package has undergone some alteration
						best attempt at subdivision given above but may very due to operator bias -
						This is definitely EO _v but not normal rocks for that formation - not very different from EO _v at top of hole!
						may be related to 368 problem in 456-75-07 and could be related to 3A problem at Faro - where 3A ≠ good calc. sils. good meta volcs etc just obscure chloritic rx.
						for those history buffs this is the Green Eggs & Ham member of EO _v ("G.E.H")

Structural Log

Date: 16 July 82 Logged By: GAT/DSJ

Code	From		To		Feature	S ₀ Dip Direct.	S ₁ Dip Direct.		S ₂ Dip Direct.		Description			
	10	14	16	20			22	24	26	28		32	34	38
S				158	IMDP					50	295			not 230°
S				1243	CS2					60				
S				1283	IMDP					75				
S				1358	IMDD					60				
S				1413	IMDD					60				
S				1468	IMDP					45				
S				1539	IMDP					35				
S				1573	IMDP					50				
S				1653	IMDP					60				
S				1690	CS2					75				
S				1759	CS2					58				
S				1817	CS2					65				
S				1892	RS1			610	900	60				S ₂ not devel in no DLA for S ₁
S				1933	RS1			610	900	60				"
S				1102	2RS1			650	000					"
S				1106	8RS1			640	000					"
S				1113	9RS1			500	000					S ₂ ≈ 90° ∴
S				1118	8CS2					70				
S				1125	2RS1			512	900					close to S ₂
S				1129	0CS2					65				
S				1136	0CS2					75				
S				1143	8CS2					72				
S				1146	4CS2					65				
S				1155	1CS2					69				
S				1159	4CS2					52				
S				1164	3CS2					55				

1152
assumed

ASSAY LOG (SAMPLER'S COPY) Date 13 July 82 Sampled by _____

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION
	10	14	16	20		22	26	28	30			
P	766		791		12690			25		25	4E0	(4A3)(4D4)
P	798		801		12691			03		03	4E4	
P	837		840		12692			03		03	4E4	±5
P	840		869		12693			29		23	4A0	
P	869		891		12694			22		22	4E4	(4D4)(4A4)
P	911		918		12695			07		05	4D4	
P	963		981		12696			18		14	4D4	(4A3)
P	977		981		12697			26		26	4A3	
P	1038		11050		12697			12		11	4D4	
P	11050		11075		12698			25		25	4A0	(4D4)(5D4*)
P	11075		11104		12699			29		29	5D4*	d.t. (4D4)(4E4) 15% soil & debris
P	11104		11126		12699			22		18	4D4	(5D4*)(4J)
P	11126		11146		12700			20		20	4A4	(5D4*)(4A0)
P	1206		1250		12701			44		19	4A0	(4E0) very poor recovery
P	1255		1282		12702			27		27	4A0	(5D4*)

DDH FAGA234
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
		187		189	1G								115 ₂				
		225		234	B1G								115 ₂				
		258		269	B1FS												
		288		295	G3F								115 ₂				
		328		354	G3X								115 ₂				
		459		484	31G								115 ₂				
		484		541	B1G												
		583		595	B1												
		595		600	G								115 ₂				
		601		622	B2G								115 ₂				
		622		642	G1										115 ₂		
		642		666	B1XG												
		666		676	G1								115 ₂				
		850		856	BPG												
		856		868	BPG								115 ₂				
		963		975	B1	3											
		981		1034	B3GS												
				1035	G1								115 ₂				
		1104		1146	3B												
		1211		1218	NP												
		1218		1250	3BP												
		1255		1282	X1												
		1282		1284	G1								115 ₂				
		1403		1410	1GB								115 ₂				
		1416		1420	GB								115 ₂				
		1422		1423	GB1								115 ₂				
		1427		1428	GB1								115 ₂				
		1430		1433	GB								115 ₂				
		1444		1447	1G								115 ₂				
		1515		1521	G1								115 ₂				
		1537		1543	G3F								115 ₂			115 ₂	

DDH: FAGA234 -- 42 DEGREE PROFILE

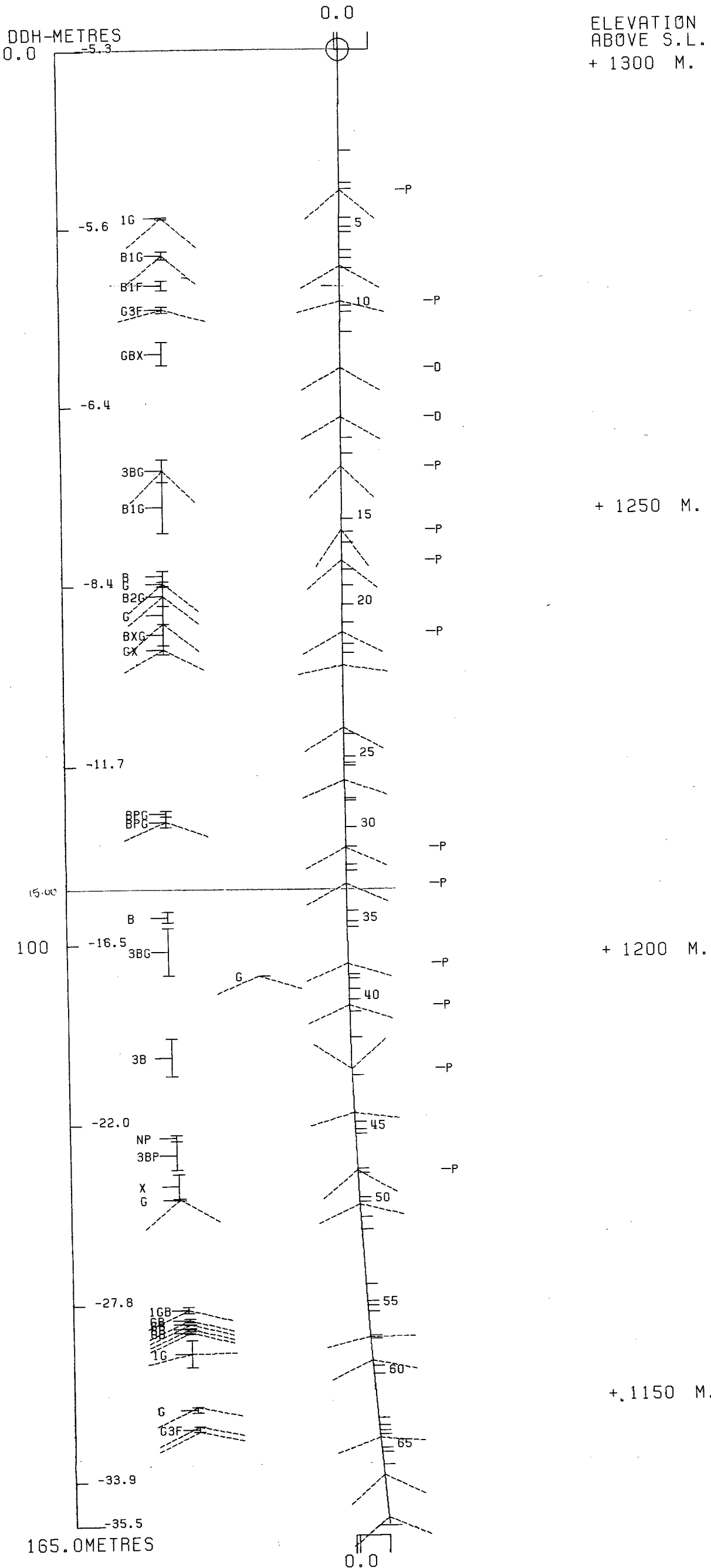
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1303 592308E ; 905353N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 768.3 Z = 1302.0

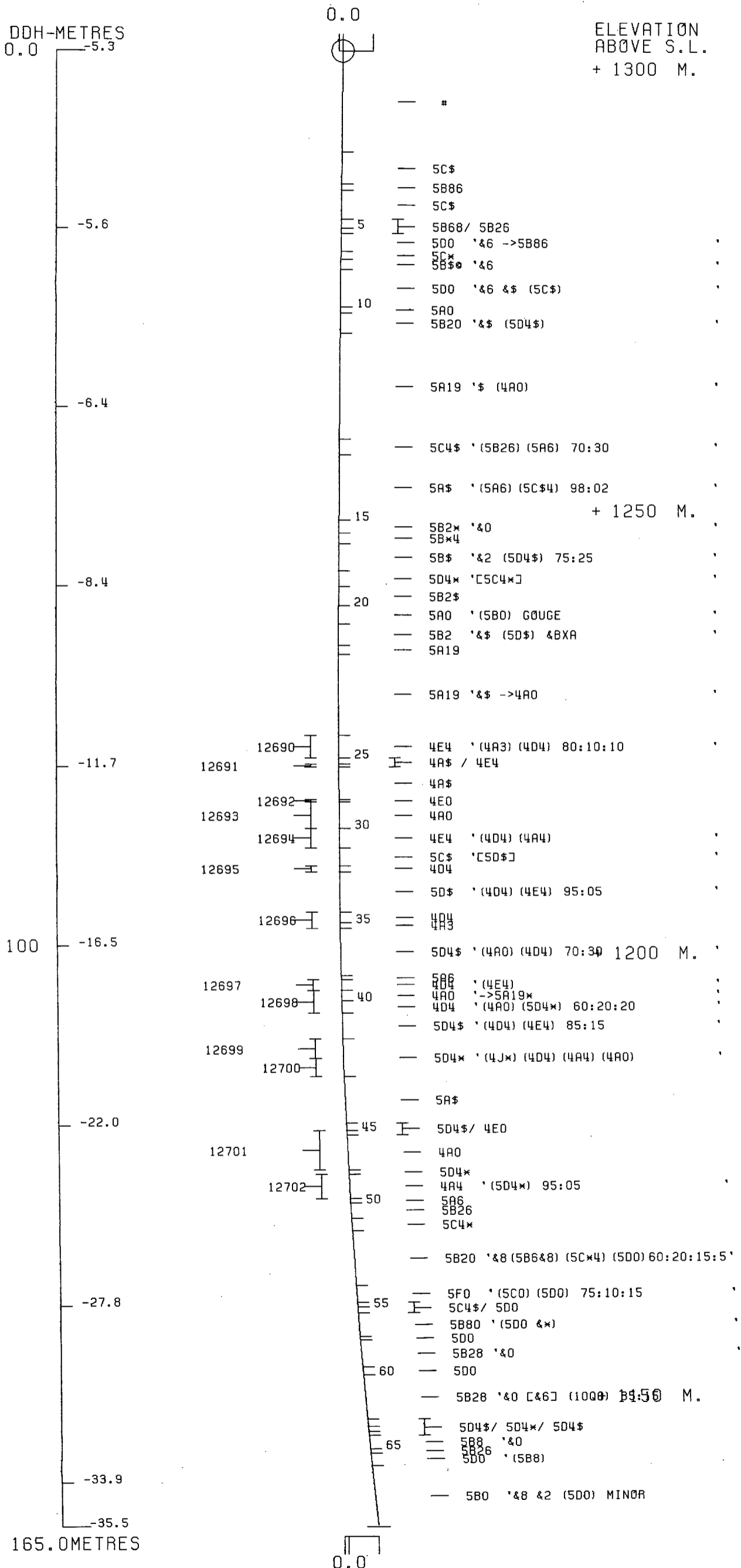
SECTION NAME: 82W



DDH: FAGA234 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1303 592308E ; 905353N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 768.3 Z = 1302.0
 SECTION NAME: 82W



Prepared by Gumboco.

A - 235.

		Pb	Zn	Pb & Zn	Int
61.6 - 63.9.	12703	1.51	4.67	6.18	2.3
67.4 - 68.0	12704	0.80	3.17	3.97.	0.6
68.0 - 69.9.	5	1.59	4.62	6.21	1.9
69.9 - 72.8.	6	2.48	4.13	6.61	2.9
72.8 - 75.3	7	2.80	5.78	8.58.	2.5.
75.3 - 77.0.	8	0.92	1.23	2.15	1.7.
77.0 - 78.9.	9	1.82	1.90	3.72	1.9.
78.9 - 80.7	12710	0.98	1.50.	2.48.	1.8
					13.3 @ 5.26
136.7 - 137.2.	12711	2.72	9.8.	12.52.	0.5
138.3 - 139.1	12712	4.26	6.06	10.32.	0.8.
139.1 - 142.0	3	2.32	4.76	7.08.	2.9
142.0 - 143.7	4	1.10.	1.60	2.70.	1.7.
143.7 - 145.7.	5	1.80	3.62	5.42	2.0.
146.0 - 148.4	6	1.04.	2.15	3.19.	2.4.
					9.8 @ 5.29.
159.6 - 160.8.	12717				1.2.
165.7 - 166.4.	12718				0.7.
166.7 - 168.4	12719.				1.7.

DRILL HOLE : FAGA235
NORTHING : 905,308.9
EASTING : 592,266.6
ELEVATION : 1,303.2
TOTAL DEPTH : 175.8
SECTION : W 82
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 17
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 71
NOS DOWN-H-STRUCTURE: 28
NOS DOWN-H-FAULTS: 48
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

17OCT83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 27

DDH: FAGA235 UTM-N: 905,308.9 UTM-E: 592,266.6 UTM-ELEV: 1,303.2 TOTAL DEPTH: 175.8 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	130.000	0.000
49.400	176.000	128.000
71.600	174.000	128.000
171.300	170.500	136.000

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 28

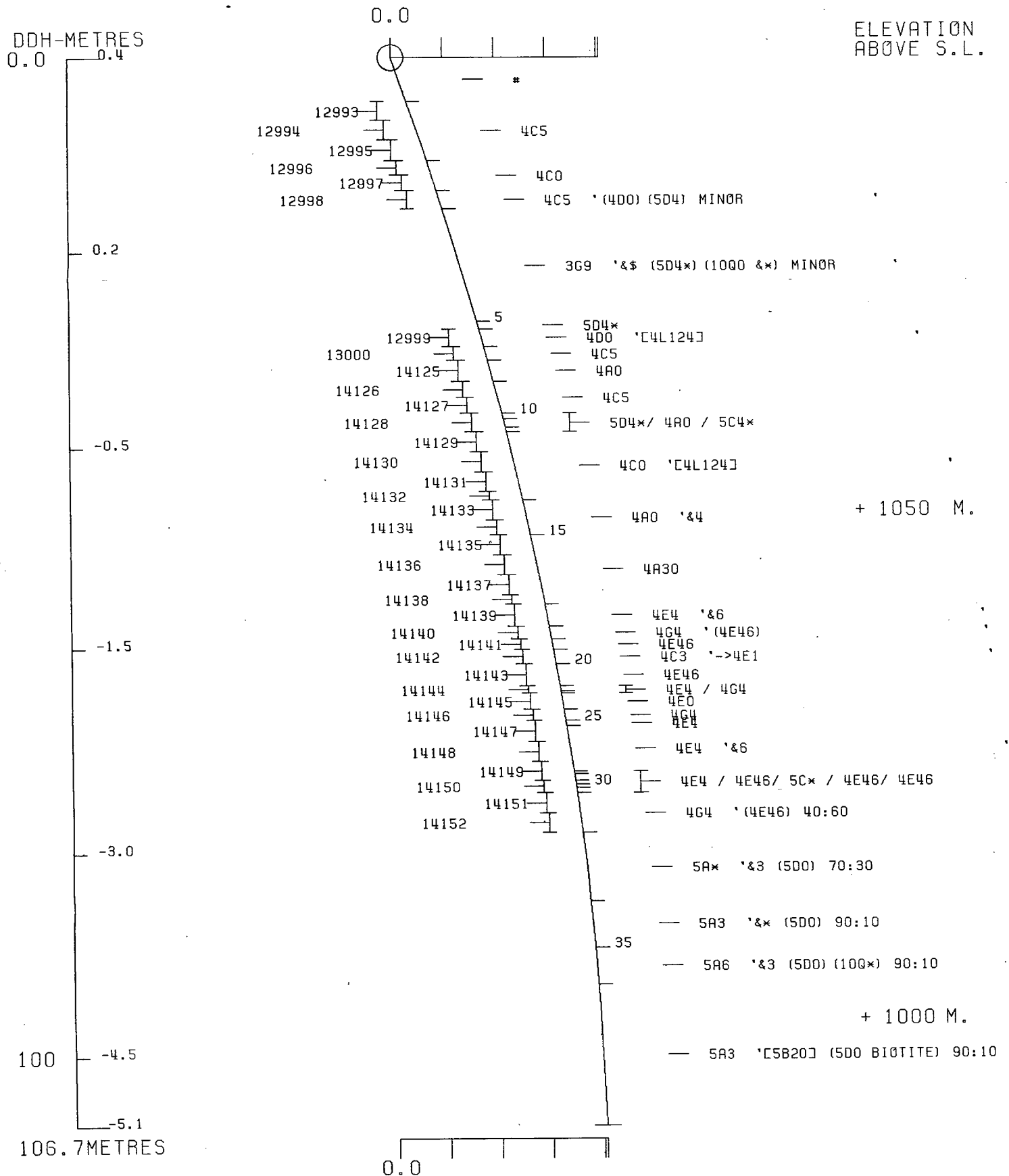
DDH: FAGA235 UTM-N: 905,308.9 UTM-E: 592,266.6 UTM-ELEV: 1,303.2 TOTAL DEPTH: 175.8 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DH0 CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
12.8	0001	#		0.5-	1
14.3	0002	5D0		0.5-	1
18.7	0003	5D\$	(10Q0) MINOR	0.5-	1
19.2	0004	5B62		0.5-	1
26.6	0005	5D0	8\$ (5C4\$)	0.5-	1
28.4	0006	5C4*		0.5-	1
29.2	0007	5D\$		0.5-	1
33.2	0008	5B62		0.5-	1
34.0	0009	5D\$		0.5-	1
34.6	0010	5C\$		0.5-	1
46.7	0011	5D\$	(10Q0)	0.5-	1
46.9	0012	4C0		0.5-	1
48.0	0013	5C\$		0.5-	1
50.1	0014	5D\$		0.5-	1
51.0	0015	5B6	80 (5C*)	0.5-	1
51.8	0016	5B6	(10Q0) 50:50	0.5-	1
61.6	0017	5D*	80 (5C*)	0.5-	1
63.9	0018	4A4		0.5-	1
66.1	0019	5D\$		0.5-	1
67.4	0020	5C\$		0.5-	1
67.7	0021	4C0	(5D4*)	0.5-	1
68.0	0022	4D0		0.5-	1
72.3	0023	4A4		0.5-	1
72.8	0024	4D0		0.5-	1
75.3	0025	4A4		0.5-	1
78.9	0026	4C5		0.5-	1
80.7	0027	4A0		0.5-	1
83.3	0028	3G9	8\$ (5D4\$)(10Q0) 95:MINOR:05	0.5-	1
84.2	0029	5D4*	(3G9)(10Q0) 90:10:MINOR	0.5-	1
85.5	0030	3G0	89 (10Q0) 80:20	0.5-	1
85.8	0031	3G0	(10Q0)	0.5-	1
93.4	0032	3G0	8* (10Q0)	0.5-	1
96.4	0033	3G0	(5D4*)	0.5-	1
101.8	0034	3G0	86 8\$	0.5-	1
104.4	0035	5D40	86	0.5-	1
105.9	0036	3G0	(10Q0)	0.5-	1
106.1	0037	5D4*		0.5-	1
112.6	0038	3G0	(10Q0)	0.5-	1
113.1	0039	3G16		0.5-	1
117.5	0040	3G0		0.5-	1
123.3	0041	3G0	(5D4*)(5C4*)(10Q0) 60:40=3G:5D0	0.5-	1
123.7	0042	5C4\$		0.5-	1
136.7	0043	3G0	8* MINOR	0.5-	1
137.2	0044	4E4	(4AB)	0.5-	1
138.3	0045	5D*	80	0.5-	1
139.1	0046	4E4	(4E0)	0.5-	1
142.0	0047	4A4	(5D4*)(4E4)	0.5-	1
145.7	0048	4A4		0.5-	1
146.0	0049	5D4*		0.5-	1
148.4	0050	4A0		0.5-	1
150.0	0051	5A0	81 8* (5D4*)	0.5-	1

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		28.0 - gradual change to mineralized bleached sulfide (P-Sb).															
28.0	30	Mineralized bleached sericite phyllite (P-Sb). Competent. Silvery white w/ laminae of reddish sulfide (sph). $F_2 \approx 45^\circ$; $F_1 \approx 0 \text{ or } 5^\circ$.	10	8	3.0	011C	28.0	31.0	3.0	1.48	3.23	23.31	✓				
			10	4	3	012C	31.0	34.0	3.0	1.03	0.73	13.03		1.76	PtZn		
			10	3	3.0	013C	34.0	37.0	3.0	0.78	1.35	9.94		2.13	"		
			10	3	3.0	014C	37.0	40.0	3.0	0.25	0.48	6.17		0.73	"		
		30 - gradual change to graphitic gta-sulfide (P).	10	2	3.0	015C	40.0	43.0	3.0	0.39	1.08	8.91		1.47	"		
30	33	Graphitic gta-sulfide (P). Competent. Graphite on thin laminae $\approx 10\%$. Foliation $F_2 \approx 50^\circ$ $F_1 \approx 0^\circ$. Sines of small F_1 fold nose closures.	15	3	3.0	016C	43.0	46.0	3.0	1.05	2.03	18.17	✓				
			25	5	1.4	017C	46.0	47.5	1.5	1.25	3.28	25.37		1.88	4.92	38.06	
			35	12	1.5	018C	47.5	49.0	1.5	4.40	8.59	65.49		7.36	12.89	98.24	
			30	10	1.5	019C	49.0	50.5	1.5	1.13	1.13	27.43	✓				
		33 - gradual change to gta-sulfide (P).	30	8	1.5	020C	50.5	52.0	1.5	0.93	0.93	20.23		1.86	PtZn		
33	33 38.1	Gta-sulfide (P). Competent. Foliation $F_2 \approx 50^\circ$ $F_1 \approx 0 \text{ or } 5^\circ$	30	6	1.5	021C	52.0	53.5	1.5	0.78	1.00	15.09		1.78	"		
			30	5	1.5	022C	53.5	55.0	1.5	0.85	0.93	26.40		1.78	"		
		36.5 - 37. Bleached sericite interval. Buff $F_2 \approx 50^\circ$ $F_1 \approx 0^\circ$. Contact gradual	45	7	1.5	023C	55.0	56.5	1.5	1.40	1.83	28.46	✓				
			70	10	1.5	024C	56.5	58.0	1.5	4.98	11.51	116.92		11.97	17.77	175.38	
			15	12	1.5	025C	58.0	59.5	1.5	5.35	8.28	90.86		8.03	12.42	136.29	
		38.1 - Sharp clean contact w/ chloritic bleached sericite phyllite (Sbc) $\approx 45^\circ$.	65	10	1.5	026C	59.5	61.0	1.5	6.35	4.40	92.92		9.53	11.10	139.38	
			65	10	1.5	027C	61.0	62.5	1.5	4.93	4.28	79.54		7.40	10.92	119.31	
38.1	38.5	Chloritic bleached sericite phyllite (Sbc). Competent. White w/ green stripes. Foliation $\approx 40^\circ$	70	7	1.5	028C	62.5	64.0	1.5	4.90	9.05	68.57		7.35	13.58	102.86	
			70	10	1.5	029C	64.0	65.5	1.5	2.76	3.60	34.29		4.13	5.40	51.44	
		38.5 - Abrupt change to mineralized bleached	70	9	1.5	030C	65.5	67.0	1.5	3.98	7.55	56.57		5.97	11.33	84.86	

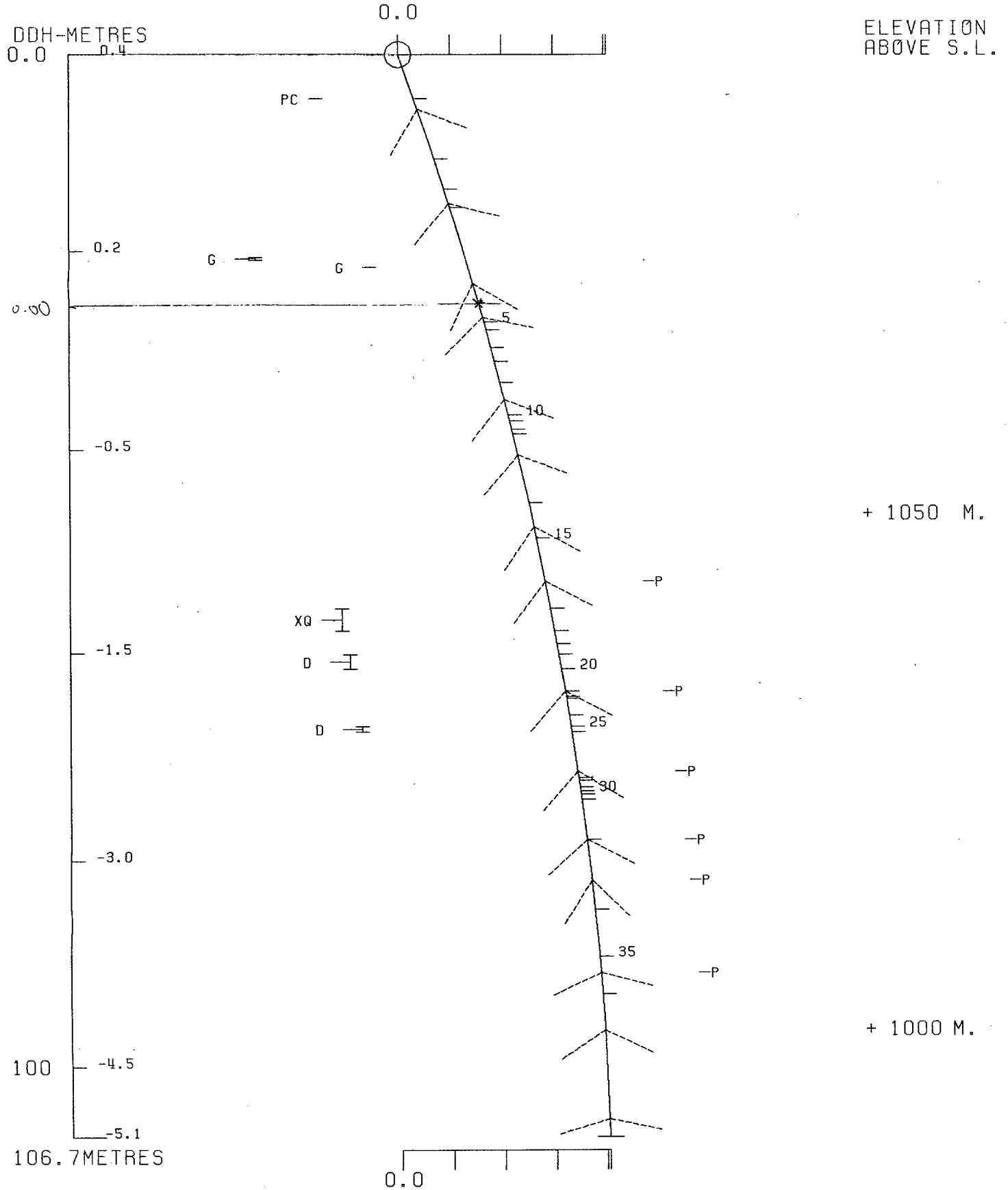
DDH: FAGU190 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1094 592101E ; 905134N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 467.1 Z = 1094.5
 SECTION NAME: 82W



DDH: FAGU190 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1094 592101E ; 905134N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 467.1 Z = 1094.5
 SECTION NAME: 82W



83 W

FAGU 218

DRILL HOLE : FAGU218
NORTHING : 905,156.6
EASTING : 592,071.3
ELEVATION : 1,089.9
TOTAL DEPTH : 45.7
SECTION : W 83
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

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

08FEB84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 2

DDH: FAGU218 UTM-N: 905,156.6 UTM-E: 592,071.3 UTM-ELEV: 1,089.9 TOTAL DEPTH: 45.7 SECTION: W 83
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	113.100	231.400

08FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 3

DDH: FAGU213 UTM-N: 905,156.6 UTM-E: 592,071.3 UTM-ELEV: 1,089.9 TOTAL DEPTH: 45.7 SECTION: W 83
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
45.7	0001	XXXXX	NOT LOGGED BY CAMC	0.0	1

08FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 4

DDH: FAGU218 UTM-N: 905,156.6 UTM-E: 592,071.3 UTM-ELEV: 1,089.9 TOTAL DEPTH: 45.7 SECTION: W 83
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 0

DDH SEGMENT NOS COND INDICATOR

FAGU218 1 1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 09:30:02

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: FAGU 218

Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: _____

~~UTM~~ Terr. Plane
Co-ords.: 6905156.605 N

*Conversion of
K-A surveyed grid
co-ords*
592071.2774 E

Grid
Co-ords.: 83 +18W / 3N

All symmetry determinations looking

_____ with _____ dipping

Elevation: 1089.907 m.

_____ with dip azimuth _____.

Total Depth: 45.7 m.

Purpose: _____

Logged by: _____ Date(s) Logged: _____

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

Started: Oct 2/76 Completed: Oct 3/76

123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	3.0	3.6	4.20	4.99
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	
123.6	Graphite phyllite (G) - Fracture F2 65-70°, F3 6.11	123.2	123.0	2.8	1.4	1.2	

DIAMOND DRILL RECORD

LOGGED BY [Signature]

Editor checked Feb 2/77 calculated ✓

PROPERTY GRIM Joint Venture

D.D.H. No. 76-11-218 PAGE 1/2

LATITUDE 10, 256, 389° 33W + 18m BEARING OF HOLE 224 231° 22' 37" STARTED Oct. 2, 1976

CLAIM No. _____

DEPARTURE 7382.507 3N DIP OF HOLE -20 -23'05" COMPLETED Oct. 3, 1976

DIRECTION AND DISTANCE FROM

ELEVATION 1100.517 DIP TESTS None DEPTH Ultimate: 150' - 4507

NE. CLAIM POST

Form Core Recovery: 86.6%

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	R	Z	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay					Assay x Feet		
										Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	29.1	Mineralized graphitic phyllite (Pg) w/ intercalation of	60	15	1.5	932B	0	3	3	7.70	11.71	135.09			23.1	35.3	425.77
		broad banded massive sulfide (MB). Competent.	60	12	1.4	933B	3	4.5	1.5	5.55	10.09	97.72			8.53	15.14	146.58
		Foliation varying. Compositional banding sph/py	45	12	1.5	934B	4.5	6.0	1.5	4.95	8.60	88.80			7.43	12.9	133.2
		& 40-95°	45	10	1.5	935B	6.0	7.5	1.5	2.10	5.25	40.46			3.15	7.88	60.69
		4.6-4.8 - F2 ~ 40-45° F1 ~ 10-15°	35	9	1.5	936B	7.5	9.0	1.5	1.53	3.93	29.14			2.30	5.90	43.71
		8.0-9.1 - F2 ~ 75-80° F1 ~ 0-5°	35	9	1.5	937B	9.0	10.5	1.5	2.60	5.35	47.31			3.90	8.03	70.97
		14-15 - Dominant foliation & 0° w/ broad steep-	40	10	1.5	938B	10.5	12.0	1.5	4.15	6.75	68.57			6.23	10.73	102.26
		oidal fold near cleave (F1?)	40	12	1.4	939B	12	13.5	1.5	6.27	9.99	90.86			9.41	14.99	136.29
		14.6-17 - Bx. Chz fragment of & 1 cm counted	30	15	1.5	940B	13.5	15.0	1.5	3.85	7.65	60.40			5.78	11.48	75.6
		by sulfide, graphite w/ spots of feldspar	30	10	1.3	941B	15.0	16.5	1.5	2.70	5.68	40.46			4.05	8.52	60.69
		along interices and in some of the	35	18	1.5	942B	16.5	18	1.5	5.09	6.61	85.72			7.64	9.92	128.58
		bx fragments.	35	10	1.5	943B	18	19.5	1.5	3.90	4.60	64.46			5.85	6.90	96.69
		25.6-27.1 - Interval of alternating massive sulfide and	30	10	1.5	944B	19.5	21.0	1.5	2.45	3.50	49.03			3.68	5.25	93.55
		blocked serpent band (M-Sb). Competent. Blocky	60	12	0.8	975B	21.0	22.5	1.5	5.49	6.91	93.94			8.69	10.37	140.91
		unit buff gun w/ foliation & 25. Massive unit has	65	14	0.9	976B	22.5	24.0	1.5	7.43	11.15	144.26			11.15	16.73	211.87
		compositional banding & 25°. Contacts sharp and	30	8	1.5	977B	24.0	25.5	1.5	4.20	6.44	66.51			6.30	9.66	97.77
		clean & 45°. Each band is 10 cm long.	50	9	1.5	978B	25.5	27.0	1.5	6.32	11.25	98.74			9.48	16.88	148.11

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 29

DDH: FAGA235 UTM-N: 905,308.9 UTM-E: 592,266.6 UTM-ELEV: 1,303.2 TOTAL DEPTH: 175.8 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
151.0	0052	5D4*		0.5-	1
152.2	0053	5A6	&2 (10Q0)	0.5-	1
153.1	0054	5D4*		0.5-	1
154.5	0055	5A6	&1	0.5-	1
154.8	0056	5D4*		0.5-	1
156.0	0057	5A6	&1 &9 &8	0.5-	1
159.6	0058	5D4*	(5A*) 95:05	0.5-	1
160.8	0059	4A0	(4E4)(5D4*) 60:40:TRACE	0.5-	1
161.9	0060	5D4*	(5A6)	0.5-	1
163.2	0061	5A*	&9 ->4A0	0.5-	1
163.9	0062	5B8	(5D8) 80:20	0.5-	1
165.1	0063	5D8		0.5-	1
165.5	0064	5B8		0.5-	1
165.7	0065	5D48		0.5-	1
166.4	0066	4A0		0.5-	1
166.7	0067	5A6	(10Q0)	0.5-	1
168.4	0068	3G46	(5A0)(4L7 &9)	0.5-	1
170.9	0069	5B2*	&0	0.5-	1
171.6	0070	5D40		0.5-	1
175.8	0071	5B2*	&0	0.5-	1

17OCT83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 30

DDH: FAGA235 UTM-N: 905,308.9 UTM-E: 592,266.6 UTM-ELEV: 1,303.2 TOTAL DEPTH: 175.8 SECTION: W 82
 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	SOC	PROCESS	
FAGA235	0.0	14.7	CS2		0	0	55	230	0	1	1	1
FAGA235	0.0	22.5	CS2		0	0	50	230	0	1	1	1
FAGA235	0.0	28.9	PS2	P	0	0	35	230	0	1	1	1
FAGA235	0.0	33.6	PS2	P	0	0	60	230	0	1	1	1
FAGA235	0.0	47.8	PS2	P	0	0	75	230	0	1	1	1
FAGA235	0.0	52.0	CS2		0	0	75	230	0	1	1	1
FAGA235	0.0	57.9	CS2		0	0	55	230	0	1	1	1
FAGA235	0.0	62.5	CS2	D	0	0	65	230	0	1	1	1
FAGA235	0.0	68.6	CS2	D	0	0	55	230	0	1	1	1
FAGA235	0.0	72.7	CS2	D	0	0	58	230	0	1	1	1
FAGA235	0.0	79.5	PS2	P	0	0	75	230	0	1	1	1
FAGA235	0.0	84.5	PS2	P	0	0	73	230	0	1	1	1
FAGA235	0.0	90.7	PS2	P	0	0	72	230	0	1	1	1
FAGA235	0.0	95.1	PS2	P	0	0	65	230	0	1	1	1
FAGA235	0.0	102.4	PS2	P	0	0	85	230	0	1	1	1
FAGA235	0.0	108.3	CS2	D	0	0	62	230	0	1	1	1
FAGA235	0.0	115.0	CS2		0	0	70	230	0	1	1	1
FAGA235	0.0	117.3	PS2	P	0	0	65	230	0	1	1	1
FAGA235	0.0	124.9	CS2		0	0	78	230	0	1	1	1
FAGA235	0.0	129.3	CS2		0	0	80	230	0	1	1	1
FAGA235	0.0	135.0	CS2		0	0	82	230	0	1	1	1
FAGA235	0.0	140.7	PS2	P	0	0	60	230	0	1	1	1
FAGA235	0.0	148.5	PS2	P	0	0	60	230	0	1	1	1
FAGA235	0.0	151.2	PS2	P	0	0	80	230	0	1	1	1
FAGA235	0.0	157.6	PS2	P	0	0	70	230	0	1	1	1
FAGA235	0.0	163.3	PS2	P	0	0	75	230	0	1	1	1
FAGA235	0.0	168.9	PS2	P	0	0	73	230	0	1	1	1
FAGA235	0.0	174.6	PS2	P	0	0	72	230	0	1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 31

DDH: FAGA235 UTM-N: 905,308.9 UTM-E: 592,266.6 UTM-ELEV: 1,303.2 TOTAL DEPTH: 175.8 SECTION: W 82
 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
FAGA235	12.8	14.3	G				0	0	0	1
FAGA235	16.0	17.1	GB				0	0	0	1
FAGA235	18.7	19.2	B				0	0	0	1
FAGA235	21.3	22.1	G				0	0	99	1
FAGA235	23.0	26.0	GB	6			0	0	999	1
FAGA235	0.0	30.4	1G				0	0	0	1
FAGA235	0.0	32.0	1G				0	0	0	1
FAGA235	33.4	33.5	G				0	0	0	1
FAGA235	33.7	33.8	G				99	999	0	1
FAGA235	34.6	38.0	BR				0	0	0	1
FAGA235	38.0	38.6	BG				0	0	0	1
FAGA235	38.6	39.0	B				0	0	0	1
FAGA235	39.0	46.5	BGP	6			0	0	0	1
FAGA235	46.9	50.1	G				0	0	0	1
FAGA235	50.6	51.0	G				0	0	0	1
FAGA235	51.0	52.5	1G				0	99	999	1
FAGA235	52.5	52.6	G				0	45	200	1
FAGA235	52.6	61.6	1G				0	0	0	1
FAGA235	63.5	63.6	G				0	0	0	1
FAGA235	70.5	72.3	BG				0	20	180	1
FAGA235	0.0	75.3	G				0	0	0	1
FAGA235	79.5	80.3	GR				0	0	0	1
FAGA235	80.7	83.3	1G				0	0	0	1
FAGA235	85.8	86.5	S??				0	0	0	1
FAGA235	86.5	87.1	B1G				0	0	0	1
FAGA235	87.1	93.4	S??				0	0	0	1
FAGA235	95.6	96.1	G				0	0	40	1
FAGA235	110.5	110.9	G				0	0	0	1
FAGA235	111.7	112.6	G				0	0	99	1
FAGA235	122.8	123.3	B1G				0	0	999	1
FAGA235	0.0	132.1	1G				0	0	99	1
FAGA235	136.5	136.7	G				0	99	999	1
FAGA235	145.2	145.7	GX				99	999	0	1
FAGA235	146.0	147.2	BT				0	0	0	1
FAGA235	147.2	147.4	XG				0	99	999	1
FAGA235	147.4	148.4	BT				0	0	0	1
FAGA235	151.0	152.7	3B				0	0	0	1
FAGA235	152.7	152.9	G				0	0	0	1
FAGA235	152.9	153.1	3B				0	0	0	1
FAGA235	153.5	153.7	G				0	99	999	1
FAGA235	159.0	159.6	G				0	99	999	1
FAGA235	0.0	160.7	G				0	0	0	1
FAGA235	161.4	161.6	G				0	99	999	1
FAGA235	161.9	162.0	G				0	99	999	1
FAGA235	166.4	166.7	G				0	0	0	1
FAGA235	172.7	172.8	1G				0	99	999	1
FAGA235	0.0	174.8	1G				0	99	999	1
FAGA235	175.0	175.1	1G				0	99	999	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 32

DDH: FAGA235 UTM-N: 905,308.9 UTM-E: 592,266.6 UTM-ELEV: 1,303.2 TOTAL DEPTH: 175.8 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA235	1	2
FAGA235	2	2
FAGA235	3	2
FAGA235	4	1

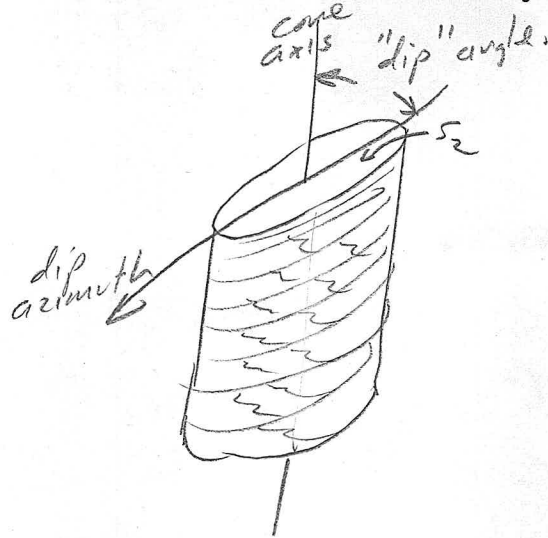
**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:11:19

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 8
Date: 20 July 82

Hole Number: FAGA 235
Project: Grum
Location: Vangvrela Plateau
Claim: grum 2
UTM Terr. Plane Co-ords.: 6905308.935 N
592266.641 E
CAMC Mine Survey
Grid Co-ords: 82 W
11 N

Reference Fabric Orientation Diagram:



All symmetry determinations looking

CAMC Mine Survey
Elevation: 1303 m 1303.175 m NW with S₂ dipping

Total Depth: 577' (175.9 m) SW with dip azimuth 230.

was 295° in 1982

Purpose: Testing gnomes cap. - routine 100' centers
Reason hole Terminated: reached Bankruptcy Break ended in CO₂

Logged by: DSSJ/GAS Date(s) Logged: 10 July 82

Drilling Contractor: Arctic DD

Size	CORE From	To	Collar Cased and Capped: <u>NO</u>
<u>NW</u>	<u>0</u>	<u>42'</u>	
<u>NQ</u>	<u>42'</u>	<u>151'</u>	
<u>NW</u>	<u>151'</u>	<u>162'</u>	
<u>NQ</u>	<u>162'</u>	<u>577'</u>	

Hole Cemented: NO
Steel down hole: None

Started: 5 July 82 Completed: 8 July 82

DDH FAGA 235
2 8

Diamond Drill Core Log

Date: _____ Logged By: GAT/DST

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	FAGA 235	11303.2	905308.9	592266.6	METERS	5.2						

Code	Drillhole	Depth						Zenith Angle						True Azimuth						Comments									
		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		38	40	42	44	46	48	50	52	54
R	FAGA 235	0	0	0	0	0	0	18	9	0	0	0	0	9	9	0	0	0	A, T, C, O, L, L, A, R,										
R	FAGA 235				4	9	4	1	7	4	0	0	0	1	2	8	0	0											
R	FAGA 235				7	1	6	1	7	4	0	0	0	1	2	8	0	0											
R	FAGA 235				1	7	1	3	1	7	0	5	0	1	3	4	0	0											

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions		
I	2	8	10	56
		<u>UP, UR, RIFE</u>		

Lithologic Log

Date: 10 July 82 Logged By: GAT/DST

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	00	128		1	#	O/B of casing
L	128	143		2	5D0	gouge (OOO fragments)
L	143	187		3	5D*	dbl. (OOO minor); gouge & broken core 16.0-17.1m. mainly indeterminate, some S ₂ ll
L	187	192		4	5B62	broken, no gouge
L	192	266		5	5D0	±*dol (5C4*); gouge 21.3-22.1 S ₂ ll @ base, indeter. @ top; gouge 23.0-26.0 & broken core, indeter. prob. S ₂ ll @ top w/ steeper internal gouge, base indeter ≈ 60% recy. over interval
L	266	284		6	5C4*	mottled
L	284	292		7	5D*	dol.
L	292	332		8	5B62	negligible tithers struct; many sm. & incip. S ₂ ll gouges @ 30.4, 32.0 2cm.
L	332	340		9	5D*	dol.; gouges 33.4-33.5, 33.7-33.8 S ₂ ll
L	340	346		10	5C*	dol.
L	346	467		11	5D*	dol. (OOO) entire unit broken & rubble; 9m rec'd over 12m = 75%; 38.0-38.6 = broken & gouged ≈ S ₂ ll; 39.0-46.5 = broken & gougy w/ 2m. core loss 43-46m (triconed caused) could be S ₂ ll w/ lots OOO frags.
L	467	469		12	4C0	
L	469	480		13	5C*	dol.; indeter gouge 46.7-50.1 overlapping unit,
L	480	501		14	5D*	dol.; gouge 49.9-50.1
L	501	510		15	5B6	±0; last 1/2 of unit = calc. "foaming" gouge
L	510	518		16	5B6	(OOO) 50:50 incip S ₂ ll gouged
L	518	616		17	5D*	±0 w/ local 5C*; S ₂ ll gouges thru-out, largest 52.5-52.6 @ 45°/200°
L	616	639		18	4A4	indeter. gouge 63.5-63.6; est. 7%
L	639	661		19	5D*	dol.
L	661	674		20	5C*	dol.
L	674	677		21	4C0	(5D4*) est < 5% (1-2% fuckall)
L	677	680		22	4D0	est. 10%
L	680	723		23	4A4	est 5%; broken & gouged 70.5-72.3 - poss. related to steep fault 20°/180°

1.5m core loss

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	723	728		24	4D0	est 6-7% ; broken & rubbly
L	728	753		25	4A4	" 7-8% ; gouge @ base 11S ₂ 45% c.a.
L	753	789		26	4C5	grading up & down into 4A0 ; est. 3-5%
L	789	807		27	4A0	gouge & rubble 79.5-80.3 inditer but likely S ₂ //
L	807	833		28	3A9	±* dol (5D4* minor) ^(OOO) 78.5 ; w/ Lt. colored laminae - minor minor incip. S ₂ // gouge thruout
L	833	842		29	5D41*	(3G9) (OOO) 90:10
L	842	855		30	3G10	±9(OOO) 80:20
L	855	858		31	3G10	(OOO) contains ZnS as replacements assoc. w/ qtz-ank. veins 1-2%
L	858	934		32	3G10	±* (OOO) dol. in abund. downhole ; broken core 86.5-87.1 (minor gouge) inditer. ; abnormal shearing ; * < 1% as Lt. colored granular laminae ; 93.4 4D4 frags from uphole
L	934	964		33	3G10	(5D4*) 20 cm. 5D@ top, 30 cm @ base 95.6-96.1 = major gouge, lower contact 40°/200°, upper contact cuts S ₂ but can't retrieve internal frag. rotation ; weak gouge foam OOO has py
L	964	1018		34	3G10	±6 ZnS ±* dol. as laminae (v. minor) ; ZnS in carbonated phyllite interval crudely S ₂ foliaform as laminae - not typical ore facies
L	1018	1044		35	5D410	±6 foliaform laminae of py + PbS
L	1044	1059		36	3G10	(OO*) minor qtz-ank-po laminae 11S ₂
L	1059	1061		37	5D4*	
L	1061	1126		38	3G10	(OO*) ±py " " " " " " gouge 110.5-110.9 contacts sub-11S ₂ gouge & broken core 111.7-112.6 upper inditer lower 11S ₂
L	1126	1131		39	3G10	py bearing
L	1131	1175		40	3G10	± minor qtz-ank-po laminae
L	1175	1233		41	3G10	(5D4*, 5C4*) 60:40 ^{broken 122.8-123.3 w/ incip S₂ // gouge} 3G:5D (OOO)
L	1233	1237		42	5C4*	dol. [gouge @ 123.3 11S ₂ @ 45% c.a.)
L	1237	1367		43	3G10	± v. minor * in Lt. colored laminae - all d fields?? intact ; 136.5-136.7 = S ₂ // C.A.M.C. 1981 - E-3 gouge ; 132.1 = 2cm S ₂ // gouge pidgeon slit

Lithologic Log

Date: 10 July 82 Logged By: GAT/DST

Code	From			To			Recov.	No.	Unit	Description
	10	14	16	20	22	24				
L	136	7	137	2				44	4E4	(4A13)
L	137	2	138	3				45	5D4*	EO
L	138	3	139	1				46	4E4	(4E0)
L	139	1	142	0				47	4A4	(5D4*, 4E4
L	142	0	145	7				48	4A4	gauge ^{2.54} 145.2-145.7 ≈ S ₂ 11 upper 11 S ₂ lower indeter.
L	145	7	146	0				49	5D4*	
L	146	0	148	4				50	4A0	EA? ON? 147.2-147.4 b.c.a. & gauge ≈ 11 S ₂ badly broken over interval - fissile & flakey like the gill logging these fucking things
L	148	4	150	0				51	5A0	± 1 ± * (5D4*)
L	150	0	151	0				52	5D4*	
L	151	0	152	2				53	5A6	± 2 (000) } broken
L	152	2	153	1				54	5D4*	152.7-152.9 5A gauge indeter. } badly
L	153	1	154	5				55	5A6	± 1 153.5-153.7 S ₂ 11 gauge
L	154	5	154	8				56	5D4*	
L	154	8	156	0				57	5A6	± 1 ± 9 ± * dol. (all minor - basically 5A6)
L	156	0	159	6				58	5D4*	(5A*) 95:5 ; gauge 159.0-159.6 ≈ 11 S ₂ cutting S ₂ w/ S ₂ steepening near fault zone
L	159	6	160	8				59	4A0	(4E4, 5D4*) 60:40 trace; 10cm S ₂ 11 gauge 160.7
L	160	8	161	9				60	5D4*	(5A6) 5A6 incip. S ₂ 11 gauged 161.4-161.6
L	161	9	163	2				61	5A*	± 9 ⇒ 4A60 "shitty"; gauge 161.9-162.0 11 S ₂
L	163	2	163	9				62	5B*	(5D*) 80:20 ; lt. coloured pelitic dolomite
L	163	9	165	1				63	5D*	dol.
L	165	1	165	5				64	5B*	dol.
L	165	5	165	7				65	5D4*	dol.
L	165	7	166	4				66	4A0	badly broken @ EOI
L	166	4	166	7				67	5A6	(000) gauge indeter
L	166	7	168	4				68	3B46	(5A0, 4E7 ± 9), sulphides = py-ZnS-PbS may be veins even though S ₂ foliation - don't look exhalative; sulphides w/ly carbonated c.f. sulfs @ 85.5!
L	168	4	170	9				69	5B2*	± 0
L	170	9	171	6				70	5D40	

Lithologic Log

Code	From				To				Recov.	No.				Unit	Description
	1	10	14	16	20	22	24	26		28	30	34	35		
	4	171	6		175	8							71	S82#±D	; minor gouge 172.7-172.8 s; 175.0-175.1 s; 174.8 all 115 s; minor; last 4 logged units intact

Structural Log

Date: _____ Logged By: _____

Code	From		To		Feature	S ₀ Dip Direct.	S ₁ Dip Direct.		S ₂ Dip Direct.		Description			
	10	14	16	20			22	24	26	28		32	34	38
S				114	7	CSZ						55	2310	
S				122	5	CSZ						50		
S				128	9	INDP						35		
S				133	6	INDP						60		
S				147	8	INDP						75		
S				152	0	CSZ						75		
S				157	9	CSZ						55		
S				162	5	INDD						65		
S				168	6	INDD						55		
S				172	7	INDD						58		
S				179	5	INDP						75		
S				184	5	INDP						73		
S				190	7	INDP						72		
S				195	1	INDP						65		
S				102	4	INDP						85		
S				108	3	INDD						62		
S				111	0	CSZ						70		
S				117	3	INDP						65		
S				124	9	CSZ						78		
S				129	3	CSZ						80		
S				135	0	CSZ						82		
S				140	7	INDP						60		
S				148	5	INDP						60		
S				151	2	INDP						80		
S				157	6	INDP						70		
S				163	3	INDP						75		
S				168	9	INDP						73		
S				174	6	INDP						72		

ASSAY LOG (SAMPLER'S COPY)

Date 16 July 82

Sampled by _____

CODE	FROM		TO	SAMPLE	INTR.		REC (m)		UNIT	DESCRIPTION			
	10	14	16	20	22	26	28	30	32		34	36	40
P		616		639	12703				23		23	4A4	
P		674		680	12704				06		05	4C0	(4D0)
P		680		699	12705				19		18	4A4	
P		699		728	12706				29		18	4A4	(4D0) poor recovery
P		728		753	12707				25		25	4A4	
P		753		770	12708				19		19	4A4	-> 4A0
P		789		807	12709				18		15	4A0	
P		11367		11372	12711				05		05	4E4	(4A13)
P		11382		11391	12712				08		08	4A4	(4E4)(4E0)(5A0)
P		11391		1420	12713				29		29	4A4	(4E4)(4E0)(5D4*)
P		1420		1437	12714				17		17	4A4	
P		1437		1451	12715				20		19	4A4	(4A0)
P		1460		1484	12716				24		15	4A0	
P		11596		11608	12717				12		11	4A0	
P		11657		11664	12718				07		06	4A0	
P		11667		11684	12719				17		17	3.646	

Structural Log

Code	From				To				Feature	Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
		128		143	G												
		160		171	GB												
		187		192	B												
		213		221	G											NS ₄	
		230		260	GB	6											
				304	IG												
				320	IG												
		334		335	G									// S ₄			
		337		338	G									// S ₄			
		346		380	BR												
		380		386	BG												
		386		390	B												
		390		465	BGP	6											
		469		501	G												
		506		510	G												
		510		525	IG									// S ₄			
		525		526	G									45 S ₂₀₀			
		526		616	IG												
		635		636	G												
		705		723	BG									210 180			
				753	G												
		795		803	GR												
		807		833	IG												
		865		871	B116												
		858		865	S??												
		871		934	S??												
		956		961	G											40 200	
		1105		1109	G												
		1117		1126	G											11 S ₄	
		1228		1233	B1G									// S ₄			
		1365		1367	G									// S ₄			
		132		1321	IG									// S ₄			
		1452		1457	GX									// S ₄			
		1472		1474	XIG									// S ₄			
		1460		1472	BT												
		1474		1484	BT												

Structural Log

Code	From				To				Feature	Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
		1510		1527		3B											
		1527		1529		9G											
		1529		1535		13B											
		1535		1590		7G					11S ₂						
		1590		1607		6G					11S ₄						
		1607		1614		7G											
		1614		1619		6G					11S ₂						
		1619		1664		0G					11S ₄						
		1664		1727		7G											
		1727		1750		8/16G					11S ₂						
		1750		1748		1G					11S ₄						
		1748				1G					11S ₂						

DDH: FAGA235 -- 42 DEGREE PROFILE

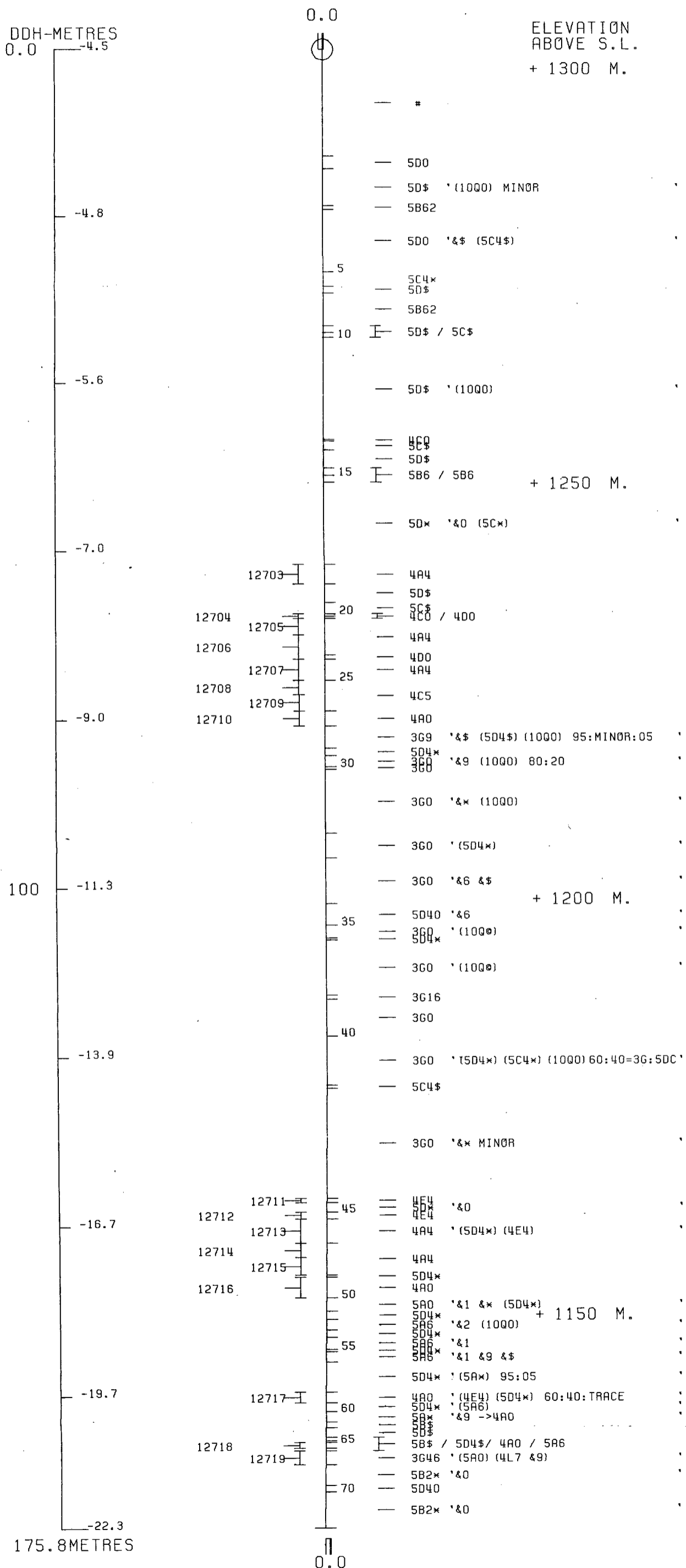
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1303 592267E ; 905309N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 707.8 Z = 1302.3

SECTION NAME: 82W



DDH: FAGA235 -- 42 DEGREE PROFILE

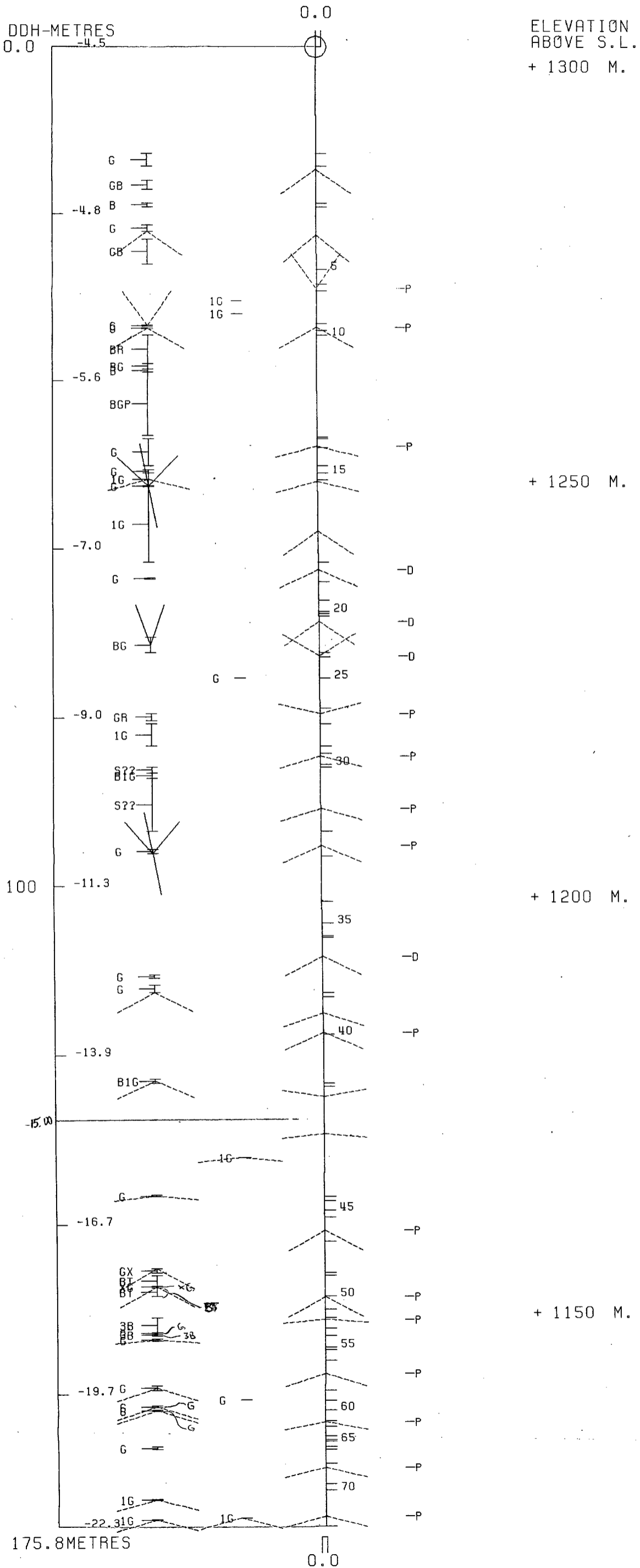
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1303 592267E ; 905309N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 707.8 Z = 1302.3

SECTION NAME: 82W



A-229

		Pb	Zn	Pb+Zn	
103.0 - 104.8	12466	1.39	5.40	6.79	1.8
104.8 - 105.5	67	0.73	2.73	3.46	0.7
105.5 - 107.3	68	0.88	2.34	3.22	1.8
107.3 - 108.8	69	0.83	1.55	2.38	1.5

5.8 @ 4.14

DRILL HOLE : FAGA229
NORTHING : 905,377.2
EASTING : 592,327.0
ELEVATION : 1,304.0
TOTAL DEPTH : 159.5
SECTION : W 82
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 4
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 65
NOS DOWN-H-STRUCTURE: 28
NOS DOWN-H-FAULTS: 31
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

ASSAY LOG (SAMPLER'S COPY)

Date 22 June 82 Sampled by _____

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION	
	1	10	14	16	20	22	26	28	30	32	34	36		40
P		1030		1048		12466		18					4A0	(500, 405)
P		1048		1055		12467		07					400	(504*)
P		1055		1073		12468		18					4A0	(500)
P		1073		1088		12469		15					4A0	(500)

DRILL HOLE : FAGA236
NORTHING : 905,266.9
EASTING : 592,225.9
ELEVATION : 1,304.0
TOTAL DEPTH : 439.2
SECTION : W 82
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: 50
NOS DOWN-H-SURVEYS: 9
NOS DOWN-H-LITHOLOGY: 147
NOS DOWN-H-STRUCTURE: 75
NOS DOWN-H-FAULTS: 69
NOS DOWN-H-SPLINES: 9
NOS COMPOSITES: 0

17OCT83 GRUM

ORE SAMPLES & ASSAYS (DHD20)

PAGE: 3

DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	---ASSAYS---															
FROM	TO					CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
153.1	160.1	12759	2.0	2.0	4C5	3.10	.05	1.62	3.12	29.99		.40	2	5	7						
161.9	164.0	12760	2.1	2.1	4A4	3.16	.02	2.54	4.42	43.00		.47	2	7	10						
164.0	166.1	12761	2.1	1.9	4A4	3.16	.04	2.21	5.09	36.00		.47	1	5	7						
290.9	292.4	12762	1.5	1.5	4G4#	4.16	.11	4.82	9.32	97.00		1.03	1	18	19						
357.3	359.0	12763	1.7	1.7	4EGL	3.91	.08	3.91	5.23	54.00		.68	2	13	15						
360.0	361.1	12764	1.1	1.0	4G4	4.57	.14	6.23	6.62	89.00		1.51	3	21	24						
361.1	363.0	12765	1.9	1.8	4E0*	4.63	.23	1.65	1.25	24.00		1.64	5	35	40						
363.5	364.7	12766	1.2	1.1	4ELD		.11	.68	.46	13.00											
364.7	365.9	12767	1.2	1.2	4G4	4.50	.11	5.24	5.92	66.00		.95	5	18	23						
365.9	367.9	12768	2.0	2.0	4C79	3.74	.27	1.26	1.87	22.00		.20	10	17	27						
367.9	369.8	12769	1.9	1.9	4C79	3.37	.36	.76	1.85	17.00		.27	7	9	16						

WEIGHTED AVERAGE

65.6	79.2	13.6	13.4			3.09	.03	1.36	2.74	24.98		.42	5	1	7						
88.1	89.2	1.1	1.1			3.06	.05	2.29	4.21	31.99		.27	2	2	4						
93.9	99.3	5.4	5.4			2.99	.02	1.40	3.33	24.14		.27	3	2	5						
100.3	114.0	13.7	10.4			3.06	.04	2.20	4.63	39.97		.31	3	2	5						
114.6	118.5	3.9	3.9			3.61	.04	3.26	7.11	56.53		.41	12	3	15						
119.2	120.1	.9	.1				.01	.29	1.41	17.00											
122.5	133.8	11.3	9.9			3.09	.06	2.17	2.91	33.77		.72	6	1	7						
134.7	136.2	1.5	1.3				.02	4.02	4.88	71.00											
136.8	138.1	1.3	1.2				.04	2.39	4.29	40.00											
138.9	144.8	5.9	5.8			2.99	.05	1.98	4.01	33.77		.36	2	1	4						
146.1	148.1	2.0	1.8				.02	1.39	2.91	26.95											
154.8	156.1	1.3	1.3				.05	1.42	2.31	24.00											
157.1	160.1	3.0	3.0			2.06	.04	1.34	2.42	24.66		.27	1	3	5						
161.9	166.1	4.2	4.0			3.16	.03	2.37	4.76	39.50		.47	2	6	8						
290.9	292.4	1.5	1.5			4.16	.11	4.82	9.32	97.00		1.03	1	18	19						
357.3	359.0	1.7	1.7			3.91	.08	3.91	5.23	54.00		.68	2	13	15						
360.0	363.0	3.0	2.8			4.61	.20	3.33	3.21	47.83		1.59	4	30	34						
363.5	369.8	6.3	6.2			3.06	.24	1.75	2.37	27.15		.33	6	11	18						

17OCT83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 4

DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	130.000	0.000
24.700	176.000	123.000
67.400	169.500	128.000
123.300	169.000	127.000
189.300	165.000	120.000
250.200	168.000	133.000
311.200	169.000	122.000
372.200	167.500	111.000
433.100	166.500	104.000

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DOWN-HOLE LITHOLOGY (DHD20)

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DJH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
18.9	0001	#		0.5-	1
24.6	0002	5820	(580)(500) 60:25:15	0.5-	1
29.7	0003	500		0.5-	1
30.5	0004	5820	(500)(5A0)	0.5-	1
31.4	0005	500	(5A0)	0.5-	1
32.0	0006	5A0		0.5-	1
36.7	0007	5820	(500)(580) 35:35:30	0.5-	1
40.9	0008	500		0.5-	1
46.4	0009	580	(500) 95:05	0.5-	1
47.1	0010	500		0.5-	1
50.9	0011	580	82	0.5-	1
54.0	0012	500	(5820) 80:20	0.5-	1
58.8	0013	580		0.5-	1
60.7	0014	580	(500) 50:50	0.5-	1
65.6	0015	58\$		0.5-	1
73.8	0016	4A0	84	0.5-	1
79.2	0017	400	(405)(504\$) 95:05:TRACE	0.5-	1
82.7	0018	50\$	(50\$) 80:20	0.5-	1
87.5	0019	50\$	(50\$) 95:05	0.5-	1
88.1	0020	504*		0.5-	1
88.8	0021	400		0.5-	1
89.2	0022	4A0		0.5-	1
90.5	0023	504\$	(504\$)(400) 30:40:30	0.5-	1
91.4	0024	5A6	(504*)	0.5-	1
93.3	0025	504\$	(504\$) 60:40	0.5-	1
93.6	0026	5A1\$		0.5-	1
93.9	0027	504\$		0.5-	1
95.0	0028	4A4	(400)	0.5-	1
95.3	0029	504\$		0.5-	1
98.5	0030	4A0	(400)	0.5-	1
99.3	0031	400	(405)(504*) 50:50:TRACE	0.5-	1
100.3	0032	582\$		0.5-	1
100.5	0033	4A4		0.5-	1
101.0	0034	404	(504\$)	0.5-	1
109.4	0035	4A4	80 (405) (504\$)	0.5-	1
110.6	0036	400		0.5-	1
111.5	0037	4A4		0.5-	1
111.7	0038	504*		0.5-	1
114.0	0039	4A4	(405)	0.5-	1
114.6	0040	504\$		0.5-	1
117.0	0041	404		0.5-	1
118.5	0042	4E4		0.5-	1
119.2	0043	504\$	(1000)	0.5-	1
120.1	0044	4E0		0.5-	1
122.5	0045	504\$	(504\$)	0.5-	1
124.0	0046	400		0.5-	1
133.8	0047	4A4	30	0.5-	1
134.7	0048	5A0		0.5-	1
136.2	0049	4A34		0.5-	1
136.8	0050	504\$		0.5-	1
137.4	0051	404	(504*) 99:01	0.5-	1

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DOWN-HOLE LITHOLOGY (DH020)

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DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
138.1	0052	4A4		0.5-	1
138.9	0053	5C4*		0.5-	1
142.2	0054	4A4		0.5-	1
143.4	0055	3G96	[58296]	0.5-	1
144.8	0056	3G41	6	0.5-	1
145.8	0057	10Q0	(3G46) 70:30	0.5-	1
146.1	0058	3G4	86	0.5-	1
147.0	0059	4C0	(4H1 3XA) AT TOP	0.5-	1
148.1	0060	3G96	[58269]	0.5-	1
154.8	0061	3G0	86 8*	0.5-	1
156.1	0062	4D5		0.5-	1
157.1	0063	3G46	89 (3G9)	0.5-	1
158.1	0064	5D4*	9 ->4L64	0.5-	1
158.7	0065	4D5		0.5-	1
159.7	0066	3G46		0.5-	1
160.1	0067	4D5		0.5-	1
161.9	0068	10Q0		0.5-	1
166.1	0069	4A4	(5D4*)	0.5-	1
168.6	0070	5A8	(5D48) 70:30	0.5-	1
172.2	0071	3G0	89 88	0.5-	1
174.0	0072	3G8	(3B8)	0.5-	1
175.4	0073	5B*	82	0.5-	1
198.9	0074	5B80	82 (5D0)(5F0)	0.5-	1
201.4	0075	5C8		0.5-	1
204.4	0076	5D0	(5380)	0.5-	1
205.9	0077	5A19	6	0.5-	1
207.1	0078	5D8	(5A6)	0.5-	1
209.4	0079	5A61	(5D8)	0.5-	1
220.1	0080	5B28	(5D48)	0.5-	1
222.5	0081	5A6	88	0.5-	1
224.5	0082	5D48	(5A6 88)	0.5-	1
226.8	0083	5A16	88 (10Q0)	0.5-	1
229.3	0084	5D8	(5A16)	0.5-	1
239.9	0085	5A8	(5A19 ->4A0)	0.5-	1
241.0	0086	5D*		0.5-	1
241.1	0087	5A8		0.5-	1
242.2	0088	5C8	(5D8)	0.5-	1
243.2	0089	5A8		0.5-	1
249.1	0090	3G9		0.5-	1
252.5	0091	3G9	(5A6)	0.5-	1
262.4	0092	3G9		0.5-	1
263.8	0093	5A6		0.5-	1
264.8	0094	5D8	(5A6) 70:30	0.5-	1
267.3	0095	5A6		0.5-	1
271.5	0096	3G9		0.5-	1
273.7	0097	5A6		0.5-	1
279.0	0098	3G9		0.5-	1
283.0	0099	5A6		0.5-	1
285.7	0100	3G9	(10Q0)	0.5-	1
286.0	0101	4A4		0.5-	1
287.2	0102	5A96		0.5-	1

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DOWN-HOLE LITHOLOGY (DH020)

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DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
237.7	0103	3G96		0.5-	1
289.6	0104	3G46	21 (10Q0)	0.5-	1
290.9	0105	10Q0	(3G64)	0.5-	1
292.4	0106	4G4#	POROUS	0.5-	1
292.5	0107	4D5		0.5-	1
292.6	0108	4L41		0.5-	1
292.8	0109	5D4*	(4D4)	0.5-	1
311.9	0110	3G9		0.5-	1
313.2	0111	3G4	->4L6	0.5-	1
313.6	0112	3G9		0.5-	1
315.0	0113	3G4	(5D4\$)	0.5-	1
320.8	0114	3G4	->4L6 (4L67)	0.5-	1
348.3	0115	3G0	(3B3 BIOTITE)	0.5-	1
348.8	0116	5D4*		0.5-	1
351.4	0117	3G0	(10Q0)	0.5-	1
351.6	0118	5D4*		0.5-	1
352.0	0119	3G9	(10Q0)	0.5-	1
352.3	0120	4H1		0.5-	1
356.1	0121	4L0	84 87	0.5-	1
356.9	0122	5D0	84 8BIOTITE	0.5-	1
357.3	0123	4L0		0.5-	1
357.5	0124	4E4		0.5-	1
357.8	0125	5D4\$	BIOTITE	0.5-	1
358.6	0126	4G4		0.5-	1
358.9	0127	4L0		0.5-	1
359.0	0128	4E46		0.5-	1
359.5	0129	4L0	(10Q0)	0.5-	1
359.7	0130	3G9		0.5-	1
360.0	0131	4L0	84 (10Q0)	0.5-	1
361.1	0132	4G4	8# (4E46 8#)	0.5-	1
363.0	0133	4E0*	84 81 8\$	0.5-	1
363.5	0134	5D\$		0.5-	1
364.2	0135	4E0		0.5-	1
364.5	0136	4L0		0.5-	1
364.7	0137	4D5		0.5-	1
365.9	0138	4G4	(4E4\$)	0.5-	1
368.7	0139	4C79		0.5-	1
369.0	0140	4L0		0.5-	1
369.8	0141	4C79		0.5-	1
373.1	0142	4L0	87 82 89	0.5-	1
395.2	0143	3G0		0.5-	1
402.5	0144	3G0	BIOTITE, GARNET	0.5-	1
415.1	0145	4L2	(3G4) BIOTITE	0.5-	1
429.4	0146	3G4	(10Q0)	0.5-	1
439.2	0147	3G93	BIOTITE	0.5-	1

DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DH0 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	
FAGA236	0.0	19.0	PS2	P	0	0	0	67	230	0	1	1	1
FAGA236	0.0	23.8	PS2	P	0	0	0	60	230	0	1	1	1
FAGA236	0.0	28.2	PS2	P	0	0	0	68	230	0	1	1	1
FAGA236	0.0	33.0	PS2	P	0	0	0	70	230	0	1	1	1
FAGA236	0.0	36.6	PS2	P	0	0	0	80	230	0	1	1	1
FAGA236	0.0	41.2	PS2	P	0	0	0	30	230	0	1	1	1
FAGA236	0.0	46.3	PS2	P	0	0	0	58	230	0	1	1	1
FAGA236	0.0	53.4	CS2		0	0	0	72	230	0	1	1	1
FAGA236	0.0	57.5	PS2	P	0	0	0	75	230	0	1	1	1
FAGA236	0.0	65.0	CS2		0	0	0	75	230	0	1	1	1
FAGA236	0.0	70.1	CS2		0	0	0	65	230	0	1	1	1
FAGA236	0.0	74.6	CS2		0	0	0	75	230	0	1	1	1
FAGA236	0.0	77.5	CS2		0	0	0	70	230	0	1	1	1
FAGA236	0.0	85.0	PS2	P	0	0	0	72	230	0	1	1	1
FAGA236	0.0	88.8	CS2		0	0	0	75	230	0	1	1	1
FAGA236	0.0	96.4	CS2		0	0	0	80	230	0	1	1	1
FAGA236	0.0	104.6	CS2		0	0	0	65	230	0	1	1	1
FAGA236	0.0	111.0	CS2		0	0	0	70	230	0	1	1	1
FAGA236	0.0	115.9	PS2	P	0	0	0	55	230	0	1	1	1
FAGA236	0.0	122.3	CS2		0	0	0	80	230	0	1	1	1
FAGA236	0.0	127.0	CS2		0	0	0	80	230	0	1	1	1
FAGA236	0.0	129.5	CS2		0	0	0	90	230	0	1	1	1
FAGA236	0.0	136.9	PS2	P	0	0	0	65	230	0	1	1	1
FAGA236	0.0	143.7	PS2	P	0	0	0	75	230	0	1	1	1
FAGA236	0.0	147.7	CS2		0	0	0	68	230	0	1	1	1
FAGA236	0.0	153.8	CS2		0	0	0	82	230	0	1	1	1
FAGA236	0.0	160.0	CS2		0	0	0	68	230	0	1	1	1
FAGA236	0.0	165.6	CS2		0	0	0	70	230	0	1	1	1
FAGA236	0.0	171.5	PS2	P	0	0	0	60	230	0	1	1	1
FAGA236	0.0	176.8	CS2		0	0	0	85	230	0	1	1	1
FAGA236	0.0	182.0	CS2		0	0	0	80	230	0	1	1	1
FAGA236	0.0	186.3	CS2		0	0	0	30	230	0	1	1	1
FAGA236	0.0	192.0	PS2	P	0	0	0	78	230	0	1	1	1
FAGA236	0.0	198.0	PS2	P	0	0	0	75	230	0	1	1	1
FAGA236	0.0	205.0	PS2	P	0	0	0	80	230	0	1	1	1
FAGA236	0.0	210.0	PS2	P	0	0	0	75	230	0	1	1	1
FAGA236	0.0	217.3	CS2		0	0	0	75	230	0	1	1	1
FAGA236	0.0	225.1	PS2	P	0	0	0	72	230	0	1	1	1
FAGA236	0.0	230.3	CS2		0	0	0	70	230	0	1	1	1
FAGA236	0.0	236.0	CS2		0	0	0	65	230	0	1	1	1
FAGA236	0.0	238.5	CS2		0	0	0	65	230	0	1	1	1
FAGA236	0.0	247.2	CS2		0	0	0	87	230	0	1	1	1
FAGA236	0.0	253.1	PS2	P	0	0	0	77	230	0	1	1	1
FAGA236	0.0	258.0	PS2	P	0	0	0	35	230	0	1	1	1
FAGA236	0.0	263.9	CS2		0	0	0	82	230	0	1	1	1
FAGA236	0.0	269.1	CS2		0	0	0	73	230	0	1	1	1
FAGA236	0.0	275.4	CS2		0	0	0	75	230	0	1	1	1
FAGA236	0.0	280.7	PS2	P	0	0	0	66	230	0	1	1	1
FAGA236	0.0	286.4	PS2	P	0	0	0	65	230	0	1	1	1
FAGA236	0.0	291.9	PS2	P	0	0	0	65	230	0	1	1	1
FAGA236	0.0	297.8	CS2		0	0	0	75	230	0	1	1	1

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DOWN-HOLE STRUCTURE (DH020)

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DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGA236	0.0	303.0	PS2	P	0	0	0	0	87	230	0		1	1	1
FAGA236	0.0	309.3	PS2	P	0	0	0	0	82	230	0		1	1	1
FAGA236	0.0	314.7	CS2		0	0	0	0	80	230	0		1	1	1
FAGA236	0.0	319.8	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA236	0.0	326.5	CS2		0	0	0	0	85	230	0		1	1	1
FAGA236	0.0	332.5	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA236	0.0	338.3	CS2		0	0	0	0	85	230	0		1	1	1
FAGA236	0.0	344.3	CS2		0	0	0	0	85	230	0		1	1	1
FAGA236	0.0	351.6	CS2		0	0	0	0	70	230	0		1	1	1
FAGA236	0.0	360.3	PS2	P	0	0	0	0	70	230	0		1	1	1
FAGA236	0.0	364.5	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA236	0.0	371.4	PS2	P	0	0	0	0	70	230	0		1	1	1
FAGA236	0.0	377.3	CS2		0	0	0	0	75	230	0		1	1	1
FAGA236	0.0	383.4	CS2		0	0	0	0	82	230	0		1	1	1
FAGA236	0.0	387.0	PS2	P	0	0	0	0	70	230	0		1	1	1
FAGA236	0.0	394.2	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA236	0.0	398.9	CS2		0	0	0	0	70	230	0		1	1	1
FAGA236	0.0	405.3	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA236	0.0	410.5	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGA236	0.0	415.6	CS2		0	0	0	0	75	230	0		1	1	1
FAGA236	0.0	422.0	PS2	P	0	0	0	0	77	230	0		1	1	1
FAGA236	0.0	425.8	PS2	P	0	0	0	0	65	230	0		1	1	1
FAGA236	0.0	432.4	PS2	P	0	0	0	0	72	230	0		1	1	1
FAGA236	0.0	438.4	PS2	P	0	0	0	0	70	230	0		1	1	1

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DOWN-HOLE FAULTS (DHD20)

PAGE: 10

DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
 RFE: 52 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		
FAGA236	26.3	26.7	G				0	0	0	0	1	
FAGA236	26.7	27.9	B1G				0	0	0	0	1	
FAGA236	27.9	28.0	G				0	0	0	0	1	
FAGA236	28.3	28.4	G				0	0	0	0	1	
FAGA236	28.6	29.7	G				0	0	0	0	1	
FAGA236	29.7	30.5	G				0	0	99	0	1	
FAGA236	30.5	31.4	BG	5			0	0	0	0	1	
FAGA236	31.4	32.0	G				0	0	99	999	1	
FAGA236	34.4	34.5	G				0	0	99	999	1	
FAGA236	0.0	50.9	1G				0	0	0	0	1	
FAGA236	52.6	52.7	G				0	0	99	999	1	
FAGA236	0.0	57.3	1G				0	0	99	999	1	
FAGA236	0.0	86.8	1G				0	0	0	0	1	
FAGA236	90.5	91.4	G3F				99	999	0	0	1	
FAGA236	93.3	93.6	G				0	0	0	0	1	
FAGA236	93.9	95.0	B				0	0	0	0	1	
FAGA236	95.3	98.5	B				0	0	0	0	1	
FAGA236	100.2	100.3	G				0	0	99	999	1	
FAGA236	101.5	102.4	RG				0	0	0	0	1	
FAGA236	109.2	109.4	G				0	0	0	0	1	
FAGA236	110.6	118.5	2B				0	0	0	0	1	
FAGA236	124.0	131.8	3B				0	0	0	0	1	
FAGA236	131.8	132.3	G	6			0	0	0	0	1	
FAGA236	132.6	134.5	G	7			0	0	99	999	1	
FAGA236	142.1	142.2	G				0	0	99	999	1	
FAGA236	144.8	145.8	QF?				0	0	0	0	1	
FAGA236	168.0	168.1	G				0	0	99	999	1	
FAGA236	170.0	170.2	F				15	0	0	0	1	
FAGA236	0.0	174.6	1G				0	0	50	0	1	
FAGA236	191.0	191.1	G				45	0	0	35	30	1
FAGA236	208.5	209.0	BG				0	0	0	0	1	
FAGA236	209.0	209.4	G				0	0	99	999	1	
FAGA236	209.4	215.5	B				0	0	0	0	1	
FAGA236	215.5	216.6	G3F	8			0	0	99	999	1	
FAGA236	216.6	218.8	B				0	0	0	0	1	
FAGA236	218.8	219.3	G3F				99	999	0	0	1	
FAGA236	262.5	262.6	G				0	0	99	999	1	
FAGA236	0.0	262.9	1G				0	0	45	140	1	
FAGA236	0.0	267.8	BG				0	0	99	999	1	
FAGA236	0.0	268.6	G				0	0	99	999	1	
FAGA236	271.5	271.6	BG				35	50	0	99	999	1
FAGA236	0.0	273.7	G				0	0	99	999	1	
FAGA236	279.3	279.4	BG				0	0	99	999	1	
FAGA236	280.9	281.4	BG				0	0	99	999	1	
FAGA236	281.8	282.4	BG				0	0	99	999	1	
FAGA236	0.0	303.6	1G				0	0	99	999	1	
FAGA236	0.0	304.4	1G				0	0	99	999	1	
FAGA236	0.0	307.0	1G				0	0	99	999	1	
FAGA236	318.0	318.1	G				0	0	99	999	1	
FAGA236	0.0	343.8	G				0	0	0	0	1	
FAGA236	345.9	346.5	BG				0	0	0	0	1	

17OCT83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 11

DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
 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			
FAGA236	347.2	347.9	GB				0	0	99	999	0	0	1
FAGA236	349.4	349.7	G3F				0	0	99	999	0	0	1
FAGA236	0.0	351.2	G				0	0	99	999	0	0	1
FAGA236	363.5	364.2	D				0	0	0	0	0	0	1
FAGA236	365.9	368.7	D				0	0	0	0	0	0	1
FAGA236	373.1	387.6	B1G				0	0	0	0	0	0	1
FAGA236	387.6	387.9	G				0	0	99	999	0	0	1
FAGA236	387.9	392.0	B1G				0	0	0	0	0	0	1
FAGA236	392.0	393.9	G				50	340	0	0	99	999	1
FAGA236	393.9	394.8	B1G				0	0	0	0	0	0	1
FAGA236	394.8	395.0	GB				0	0	0	0	70	90	1
FAGA236	403.3	404.4	G				0	0	0	0	40	0	1
FAGA236	405.0	405.1	G				0	0	15	90	0	0	1
FAGA236	411.0	411.5	G				0	0	0	0	15	0	1
FAGA236	414.1	414.5	BG				0	0	0	0	99	999	1
FAGA236	424.8	425.2	G2F				0	0	99	999	0	0	1
FAGA236	427.8	427.9	G				0	0	99	999	0	0	1
FAGA236	0.0	428.8	G				0	0	99	999	0	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 12

DDH: FAGA236 UTM-N: 905,266.9 UTM-E: 592,225.9 UTM-ELEV: 1,304.0 TOTAL DEPTH: 439.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA236	1	2
FAGA236	2	2
FAGA236	3	2
FAGA236	4	2
FAGA236	5	2
FAGA236	6	2
FAGA236	7	2
FAGA236	8	2
FAGA236	9	1

82W

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 15

Date: 20 July 82

Hole Number: FAG A 236

Project: Grunn

Location: Vangorda Plateau

Claim: Grunn 2

UTM Terr. Plane Co-ords.: 6905266.903 N

CAMC Mine Survey Co-ords.: 592225.943 E

Grid Co-ords: 82W

9N

CAMC Mine Survey Elevation: 1303m 1303.985m.

Total Depth: 1441' (439.2m)

Purpose: to test southwest steep limb

Reason hole Terminated: tested target hit fault bottomed in EoV

Logged by: DSJ GAT

Date(s) Logged: 10 July 82 - 19 July 82

Drilling Contractor: Arctic Dr.

Size	CORE From	To
<u>NW</u>	<u>0</u>	<u>62</u>
<u>NQ</u>	<u>62</u>	<u>1441</u>

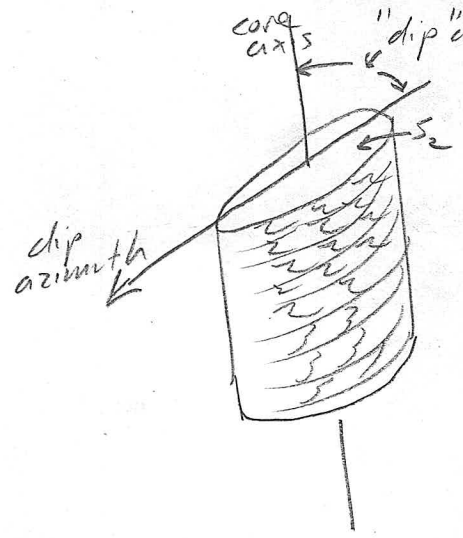
Collar Cased and Capped: yes

Hole Cemented: No

Steel down hole: None

Started: 8 July Completed: 14 July 82

Reference Fabric Orientation Diagram:



All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth 230.

was 295° in 1982

has geothermal probe down it. (see Reed Glenn)

C.A.M.C. 1981 - E - I don't bother he got laid off.

DDH FAGA 236
2 8

Diamond Drill Core Log

Date: _____

Logged By: DSJ/GAT

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	FAGA 236	1304.1	0905266.9	592226.9	METERS	S2

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
I	2 8 10 14 22 26 28 32 34 56				
R	FAGA 236	000.00	180.0	000.0	AT COLLAR
R	FAGA 236	247	174.0	123.0	SPERRY SUN SINGLE SHOT
R	FAGA 236	674	169.5	128.0	
R	FAGA 236	1283	169.0	127.0	
R	FAGA 236	1893	165.0	120.0	
R	FAGA 236	2502	168.0	133.0	
R	FAGA 236	3112	169.0	122.0	
R	FAGA 236	3722	167.5	111.0	
R	FAGA 236	4331	166.5	104.0	

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

Lithologic Log

Date: 10 July 82 Logged By: DSJ/GJ

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		00		189						1	*	Overburden and casing through bedrock
L		189		246						2	SB20	(SBO)(SBO) 60:25 11S - intact
L		246		297						3	SPO	unit broken and gouged through must gouge sub 11 S ₂ but mainly ind. major gouges at: 26.3-26.7, 27.9-28.0 28.3-28.4 28.6-29.7, recovery approx 2.75 m over interval. - part of major Fault zone
L		297		305						4	SB20	(SPO)(SAO) gouge. internal fabric 11 S ₂ upper & lower ind - minor loss only.
L		305		314						5	SPO	(SAO) broken core and gouge - 5m recov.
L		314		320						6	SAO	gouge. - fabric 11 S ₂ - major fault spans 26.3 - 32.0 m
L		320		367						7	SB20	(SPO)(SBO) 35:35:30 10cm S ₂ 11 gouge at 34.4-34.5
L		367		409						8	SPO	intact.
L		409		464						9	SBO	(SPO) 95:5 intact
L		464		471						10	SPO	
L		471		509						11	SBO	±2 intact base of unit 10cm S ₂ 11 gouge at top and cutting S ₂ at base.
L		509		540						12	SPO	(SB20) 80:20 gouge @ 52.6-52.7 - S ₂ 11
L		540		588						13	SBO	2cm gouge 11 S ₂ @ 57.3
L		588		607						14	SBO	(SPO) 50:50
L		607		656						15	SB*	dolo. - marker above unit 4
L		656		738						16	HAP	±4 intact 5-6% PbZn
L		738		792						17	HDO	(HDS)(SD4* dol.) 95:5:tr 6-7% PbZn
L		792		827						18	SD*	(SC*) dolo. 80:20
L		827		875						19	SC*	(SD*) dolo 95:5 5cm gouge @ 86.8
L		875		881						20	SD4*	
L		881		888						21	HDO	6-7% PbZn
L		888		892						22	HAP	3-4% PbZn
L		892		905						23	SC4*	dol "Fuch" (SD4*)(HDO) 30:40:30
L		905		914						24	SA6	(SD4*) gouge upper 11 S ₂ lower ind. Pucky - major fault.
L		914		933						25	SC4*	dol. "Fuch" (SA4*) dol. 60:40
L		933		936						26	SA1*	dol. gouge

Lithologic Log

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
	L		936		939					27	5C4*	dol Frch.
✓	L		939		950					28	4A4	(400) interval broken throughout, 5-6% PbZn
	L		950		953					29	5C4*	dol "Frch."
✓	L		953		985					30	4A0	(400) broken over interval 3-4% PbZn
✓	L		985		993					31	4D0	(405)(504*) 50:50:tr. 7-8% PbZn
	L		993		1003					32	5B2*	dol. 100.2-100.3 = 5 ₂ 11 gauge.
✓	L		1003		1005					33	4A4	8-10 PbZn
	L		1005		1010					34	4D4	(504* dol) +10% PbZn
✓	L		1010		1014					35	4A0	(4C5)(504* dol.) ~6 PbZn
												101.5-102.4 = rubble + gauge upper & lower incl
												109.2-109.4 = incl. gauge, probably 5 ₂ 11
✓	L		1094		1106					36	4D4	intact 10% PbZn
✓	L		1106		1115					37	4A4	moderately broken but unpaired 5-6 PbZn
	L		1115		1117					38	5D4*	"
✓	L		1117		1140					39	4A4	(4D5) " 7-8% PbZn
	L		1140		1146					40	5D4*	dol "Frch" "
✓	L		1146		1170					41	4D4	" 10-12% PbZn
✓	L		1170		1185					42	4E4	" 8-10% PbZn
	L		1185		1192					43	5D4*	dol Frch (000)
✓	L		1192		1201					44	4E0	5% PbZn
	L		1201		1225					45	5D4*	dol "Frch" (5C4*)
✓	L		1225		1240					46	4C0	1-2% PbZn
✓	L		1240		1338					47	4A0	core badly broken - ineffectively bxa over interval with local gouge as bxa matrix - major gouge zones at 131.8-132.3 132.6-133.8 - incl - part of larger fault zone continued below 3-5% PbZn
	L		1338		1347					48	5A0	gouge - from 1338 to 134.5 lower 115 ₂ upper contact incl - part of major gouge from 131.8 - 134.5 in which there is 2 m. of recovery
✓	L		1347		1362					49	4A30	intact 3-4% PbZn
	L		1362		1368					50	5C4*	dol Frch intact - strong "Frch"
✓	L		1368		1374					51	4D4	(504*) 99:1 8-9% PbZn
✓	L		1374		1381					52	4A4	9% PbZn

Lithologic Log

Date: _____ Logged By: _____

Code	From		To		Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34		
L	1138	1	1138	9					53		5C4*	
L	1138	9	142	2					54		4A4	quartz 142.1-142.2 = 11S ₂ 7-9% PbZn
L	142	2	143	4					55		3G916	[5B296] medium dark gray phyllite with local sphalerite laminae as possible repl. mineraliz in sods versus usual exhalative type mineraliz.
L	143	4	144	8					56		3G4116	less carbonaceous more sulfide rich variant of above - weakly bleached look to phyllite. prominent ZnS laminae generally, S ₂ foliation in siliceous 3G 2-3% PbZn
L	144	8	145	8					57		000	(3646) 70:30 - possible quartz healed fault.
L	145	8	146	2					58		3164	±6 similar to above units 55+56
L	146	1	147	0					59		4C0	(4418XA) at top of interval 3-4% PbZn
L	147	0	148	1					60		3G916	[5B269] as above. S ₂ foliation sulfide replacements(?) 1-2% PbZn
L	148	1	154	8					61		3160	±6 ±* unit is medium grey thinly banded, CS ₂ foliated with dolomitic appearance but fissures only weakly in 20% - possible fine grained ankerite or cloto or saucer-shaped feldsp. in finely granular lighter lithons - minor foliation reddish brown. ZnS.
L	154	8	156	1					62		4105	From 153.4 - 153.5 is better developed band of S ₂ foliation sphalerite and galena - 2-4% PbZn. For ^{this} band. 6% PbZn
L	156	1	157	1					63		3646 ±9(369)	
L	157	1	158	1					64		5D4*	9 → 4L64 1-2% PbZn
L	158	1	158	7					65		4105	7-8% PbZn
L	158	7	159	7					66		3646	weakly bleached musc. phyllites with minor S ₂ foliation ZnS
L	159	7	160	1					67		4105	8-10% PbZn
L	160	1	161	9					68		000	minor galena as fracture fillings

Unit # 5

Lithologic Log

Date: _____ Logged By: _____

Code	From			To			Recov.	No.	Unit	Description
	10	14	16	20	22	24				
L	161	9		166	1			69	4A4	(SD4*) 8-10% Pbzn
L	166	1		168	6			70	5A*	dol (SD4*) 70:30
L	168	6		172	2			71	3B0	±9 ±* dol laminae very minor throughout unit - S ₂ // gauge at 168.0-168.1 steep fault at 170.0 - 170.2 upper contact 15°/100 lower contact broken - incl but S ₂ // ???
L	172	2		174	0			72	3B*	dol. (3B* dol)
L	174	0		176	4			73	5B*	±2 interval ends with 1cm gauge @ 50°/100
L	176	4		198	9			74	5B8.0	±2 (SD0)(SFO) cannot reliably estimate proportions as contacts very gradational and diffuse numerous SD0 bands recognized through interval - essentially calcareous throughout interval. similar to "green" unit at base of A-234 top of A-160 and A-179 calcareous nature suggests unit is part of Vangorela Fun but this is very tenuous. @ 191m gauge cutting S ₂ upper at 49°/100 lower 35°/30
L	198	9		201	4			75	5C*	dol.
L	201	4		204	4			76	5D0	(5B80)
L	204	4		205	9			77	5A19	6 minor Zn S rich gtz bands // S ₁ with no py.
L	205	9		207	1			78	5D1*	dol. (5A6)
L	207	1		209	4			79	5A6.1	(SD* dol.) unit generally broken 208.5-209.4 = gauge and broken core upper 1/2 of interval lower 1/2 gauge // to S ₂
L	209	4		220	1			80	5B2*	dol. (SD4*) interval badly broken and gauged through - major fault. main gauges at: 215.5-216.6m 0.9m very upper = incl, lower = // S ₂ 218.8-219.3 upper S ₂ // lower = incl Fault zone thus from 215.5 - 219.3

Lithologic Log

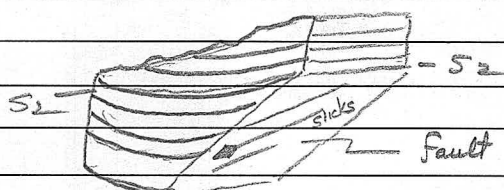
Code	From		To		Recov.		No.		Unit	Description
	10	14	16	20	22	24	26	28		
L	2220	1	2225					81	SA6	±* dolo - dolomite in local S ₁ folia
L	2225		2245					82	SD4*	(SA6 ±* dolo)
L	2245		2268					83	SA16	±* dolo. (QO) dolo in local thin laminae
L	2268		2293					84	SD*	dolo. (SA16)
L	2293		2399					85	SA*	dolo. (SA19 → 4A) ultra poor - unit characteristically laminated with white dolomitic S ₁ lithons separated by black folia
L	2399		2410					86	SD*	
L	2410		2411					87	SA*	as unit 85
L	2411		2422					88	SC*	(SD*) dolo.
L	2422		2432					89	SA*	dolo as unit 85 - black & white laminae
L	2432		2491					90	369	unit medium dark grey with thicker ^(than 85) striped by darker S ₂ carbonaceous folia [not SA]
L	2491		2525					91	369	(SA6) this unit darker than previous due to thicker S ₂ carbonaceous folia.
L	2525		2624					92	369	as unit 90 [not SA]
L	2624		2638					93	SA6	similar to 85 but no light dolo. layers S ₂ // gouge 262.5-262.6 at 262.9 = 2cm thick gouge cutting S ₂ @ 45°/140
L	2638		2648					94	SD*	dol (SA6) 70:30 thinly banded SD w 10 cm interbanded with SA = tuff/seds?
L	2648		2673					95	SA6	as above
L	2673		2715					96	369	absolutely non dolo. broken core & gouge 10cm @ 267.8 and 268.6 with S ₂ //
L	2715		2737					97	SA6	broken core & gouge 271.5 to 271.6 lower S ₂ // upper 30/50
L	2737		2790					98	369	10cm S ₂ // gouge at upper contact
L	2790		2830					99	SA6	broken core & gouge over interval; non-dolomitic; S ₂ // gouge & broken core as follows:
L	2830		2857					100	369	279.3-279.4; 280.9-281.4; 281.8-282.4 (QO) // S ₂ i.e. verminiform

Lithologic Log

Date: 19 July 82 Logged By: DST/GAT

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	285	7	286	0					101	4A4		
L	286	0	287	2					102	5A9C	w/ prominent gty-py bands & v. minor ZnS X cutting So \Rightarrow these are veins & poss. feeders to 4A4 above; also prom. gtz-py bands/veins are zoned w/ pyritic cores & gty margins	
L	287	2	287	7					103	3G9B		
L	287	7	289	6					104	3G4C	± 1 (OOO); moderately "bleached", buff, var. siliceous, py-ZnS-PbS-asp? bearing phyllite i.e. replacement/diagenetic mineralization - not stratiform	
L	289	6	290	9					105	OOO	(3G64) on "xenolith" in OOO	
L	290	9	292	5					106	4B4*	\pm porous, catenite (minor)	} Anvil mini-cycle
L	292	5	292	4					107	4D5		
L	292	4	292	6					108	4L41		
L	292	6	292	8					109	5D4*	(4D4)	
L	292	8	311	9					110	3G9	S ₂ II gauge @ 304.4 (5cm); 303.0 (5cm); 307.0 (2cm)	
L	311	9	313	2					111	3G4	unit has prominent chlorite folia S ₂ & is whly to moderately "bleached" in appearance; could have originally been an interbedded sequence of 3G carb-silicified + 3B3 [5D4*] zone \Rightarrow 4L6	
L	313	2	313	6					112	3G9		
L	313	6	315	0					113	3G4	as # 111 (5D4* del.)	
L	315	0	320	8					114	3G4	\Rightarrow 4L6 as 111 & 113 w/out 5D4* (4L67) gauge S ₂ 318.0-318.1	
L	320	8	348	3					115	3G0	(3B3 bio) "carb-silicified" unit w/ laminae of gty-po-bio?; 10cm 5L* @ 329.6m; gauges: 343.8-3cm S ₂ ; 345.9-346.5 broken core & gauge @ base indeterminate; 347.2-347.9 S ₂ II incipient gauge & broken core TOI w/ S ₂ II & steeper gauge toward base - overall S ₂ II.	
L	348	3	348	8					114	5D4*	"fuchsite"	
L	348	8	351	4					117	3G0	(OOO) gauge: 349.4-349.7 major fault S ₂ , 2cm S ₂ II gauge @ 351.2m.	
L	351	4	351	6					118	5D4*	"fuchsite"	

Code	From			To			Recov.			No.			Unit			Description
	1	10	14	16	20	22	24	26	28	30	34	35				
L	351	6	352	0			119	369				(OQ* ank.) 60140				
L	352	0	352	3			120	441								
L	352	3	356	1			121	440				±4±7; altered sediments not stratiform				
L	356	1	356	9			122	5D0				± #dol ± biotite				
L	356	9	357	3			123	440								
L	357	3	357	5			124	454								
L	357	5	357	8			125	5D4*				dol + biotite				
L	357	8	358	6			126	464								
L	358	6	358	9			127	440								
L	358	9	359	0			128	4E46								
L	359	0	359	5			129	440				(OQO)				
L	359	5	359	7			130	369								
L	359	7	360	0			131	440				±4 (OQO)				
L	360	0	361	1			132	464				±* calcite (4E46 ±* calcite)				
L	361	1	363	0			133	4E0*				±4±1±8 + * dol.; 4E1 for 0.3 m. at top				
												dominantly 4E0* w/ Fe ₃ O ₄ 362.7-363.0				
L	363	0	363	5			134	5D*				dol.				
L	363	5	364	2			135	4E0				w/ rotated fragments of 4B* dol. due to bond.				
												image during 4E0 flowage				
L	364	2	364	5			136	440								
L	364	5	364	7			137	4D5								
L	364	7	365	9			138	464				(4E4* dol.)				
L	365	9	368	7			139	4C79				breccia due to bonding of stylites in				
												more mass. sulfide layers				
L	368	7	369	0			140	440								
L	369	0	369	8			141	4C79				as #139				
L	369	8	373	1			142	440				±7±2±9 v. minor				
L	373	1	395	2			143	360				"calc-silicated"; unit lamnarily banded,				
												med. greenish gray w/ lt. pinkish buff				
												bands 1-3 mm. in thickness w/ biotite				
												&/or chlorite margins including appear-				
												ance c.f. E0vcs — not true calc silicates				
												this unit occurs in core of Grum F ₁				
												antiform, under Swin Lake etc. in HEmm;				
												also characteristic silicious, sulfidic				
												(po & py) hairline "stingers" w/ S ₁				

Code	From		To		Recov.	No.	Unit	Description		
	10	14	16	20					22	24
								gouge zones: 387.6-387.9 m approx 11S ₂ ; 392.0-393.9 m. upper contact 50°/340° w/ slickensides making 35° to S quadrant		
										
								lower contact dead 11S ₂ , remainder of interval broken & gouged; 394.8-395.8 broken & gouged, upper contact indeter, lower 70°/090		
L	139.52	140.25				144	360	biotite + garnet bearing assemblage of above "calc-silicates" unit w/ some buff laminae		
L	140.25	141.51				145	142	(364); unit v. similar 143 & 144 but has overall variably "bleached" appearance to buff & lt. buff gray w/ prominent biotitic laminae convoluted banding & silicious laminae & hairline go-bearing stringers; this should be 1C in amphib. facies terrane; gouges: 403.3-404.4, upper indeter, lower 40°/00; 405.0-405.1 = 15°/090; 411-411.5 upper indeter, lower 15°/00; 414.1-414.5 broken core w/ gouge @ base 11S ₂ w/ "bleached"; (000) some w/ po blebs & stringers; gouges: 424.8-425.2 m 11S ₂ moderately strong fault; 427.8-427.9 11S ₂ ; 3cm @ 428.8 11S ₂ .		
L	429.4	439.2				147	369.3	med. gray brown phyllite (biotite grade) becoming increasingly calcareous down hole not bio. grade E ₀₁ ; calcitic bands & laminae c.f. "3DS" in "calc-silicates" of E ₀₁ ; this is just a mod. calc. horizon in HCMM		

EOH

Structural Log

Date: July 19/82 Logged By: J.S.J

Code	From				To				Feature	E S P	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	36	40	44		
S				190				IND P							67	295	Not 230'd CS ₂
S				238				IND P							60		CS ₂
S				282				IND P							68		CS ₂
S				330				IND P							70		CS ₂
S				366				IND P							80		"
S				412				IND P							80		"
S				463				IND P							58		"
S				534				CS ₂							72		
S				575				IND P							75		CS ₂
S				650				CS ₂							75		
S				701				CS ₂							65		
S				746				CS ₂							75		
S				775				CS ₂							70		Approaching Downdip
S				850				IND P							72		CS ₂
S				888				CS ₂							75		
S				964				CS ₂							80		
S				1046				CS ₂							65		
S				1110				CS ₂							70		
S				1159				IND P							55		
S				1223				CS ₂							80		
S				1270				CS ₂							80		
S				1295				CS ₂							90		
S				1369				IND P							65		
S				1437				IND P							75		CS ₂
S				1479				CS ₂							68		
S				1538				CS ₂							82		
S				1600				CS ₂							68		
S				1656				CS ₂							70		
S				1715				IND P							60		CS ₂
S				1768				CS ₂							85		
S				1820				CS ₂							80		
S				1863				CS ₂							80		
S				1920				IND P							78		CS ₂
S				1980				IND P							75		CS ₂
S				2050				IND P							80		"
S				2100				IND P							75		"

Code	From				To				Feature	S/E	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
S				217	3	CS ₂						75	295				
S				225	1	INDP						72					CS ₂
S				230	3	CS ₂						70					
S				236	0	CS ₂						65					
S				238	5	CS ₂						65					
S				247	2	CS ₂						87					
S				253	1	INDP						77					CS ₂
S				258	0	INDP						85					"
S				263	9	CS ₂						82					→ D.D.
S				269	1	CS ₂						73					
S				275	4	CS ₂						75					→ D.D.
S				280	7	INDP						66					CS ₂
S				286	4	INDP						65					"
S				291	9	R						65					PS ₂
S				297	8	CS ₂						75					→ D.D.
S				303	0	INDP						87					
S				309	3	INDP						82					CS ₂
S				314	7	CS ₂						80					→ D.D.
S				319	8	INDP						80					
S				326	5	CS ₂						85					
S				332	5	INDP						80					
S				338	3	CS ₂						85					→ D.D.
S				344	3	CS ₂						85					
S				351	6	CS ₂						70					
S				350	3	R						70					PS ₂
S				364	5	INDP						80					
S				371	4	INDP						70					
S				377	3	CS ₂						75					
S				383	4	CS ₂						82					
S				387	0	INDP						70					
S				394	2	INDP						80					
S				398	9	CS ₂						70					→ D.D.
S				405	3	INDP						80					
S				410	5	INDP						80					
S				415	6	CS ₂						75					
S				422	0	INDP						77					

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	1656		1676		12720		20		20		4A0		±4
P	1676		1696		12721		20		20		4A0		±4
P	1696		1716		12722		20		20		4A0		±4
P	1716		1738		12723		22		21		4A0		±4
P	1738		1756		12724		18		18		4D0		(4DS)(50% dolo)
P	1756		1774		12725		18		18		4D0		(4DS)(50% dolo)
P	1774		1792		12726		18		18		4D0		(4DS)(50% dolo)
P	1881		1892		12727		11		11		4D0		4A0
P	1939		1953		12728		14		14		4A4		(4D0)
P	1953		1969		12729		16		16		4A0		(4D0)
P	1969		1985		12730		16		16		4A0		(4D0)
P	1985		1993		12731		08		08		4D0		(4DS)(50%*)
P	11003		11010		12732		07		07		4A4		4D4(50%*)dolo
P	11010		11031		12733		21		21		4A0		(4CS)(50%*)
P	11031		11052		12734		21		18		4A0		"
P	11052		11073		12735		21		12		4A0		"
P	11073		11094		12736		21		10		4A0		"
P	11094		11106		12737		12		12		4D4		
P	11106		11115		12738		09		09		4A4		
P	11115		11128		12739		13		11		4A4		(4DS)
P	11128		11140		12740		12		12		4A4		(4DS)
P	11146		11170		12741		38		34		4D4		
P	11170		11185		12742		15		15		4E4		
P	11192		11201		12743		09		09		4E0		
P	11225		11240		12744		15		14		4CP		
P	11240		11264		12745		24		20		4A0		
P	11264		11288		12746		24		22		4A0		
P	11288		11312		12747		24		21		4A0		

check
1. photog. ok

check
combustion

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	131	2	133	8	12748		26		22		4A0		
P	134	7	136	2	12749		15		13		4A30		
P	136	8	138	1	12750		13		12		4D4	(504*)	
P	138	9	140	5	12751		16		16		4A4		
P	140	5	142	2	12752		17		17		4A4		
P	142	2	143	4	12753		12		11		3G9.6		
P	143	4	144	8	12754		14		14		3G14	6	
P	146	1	147	0	12755		08		07		4C0		
P	147	0	148	1	12756		11		11		3G9.6		
P	154	8	156	1	12757		13		13		4D5		
P	157	1	158	1	12758		10		10		5D4*	9 → 4L64	
P	158	1	160	7	12759		20		20		4D5	(3G46)	
P	161	9	164	0	12760		21		21		4A4	(5D4*)	
P	164	0	166	1	12761		21		19		4A4	(5D4*)	
P	290	9	292	4	12762		15		15		4G4*	(4D5)	
P	357	3	359	0	12763		17		17		4G4	(4E40, 4E4, 4L0)	
P	360	0	361	1	12764		11		10		4G4	±*	
P	361	1	363	0	12765		19		18		4E0*	±4±1±8	
P	363	5	364	7	12766		12		11		4E9	(4L0, 4D5)	
P	364	7	365	9	12767		12		12				
P	365	9	367	9	12768		20		20		4C7.9		
P	367	9	369	8	12769		19		19		4C7.9	(4L0)	

Break

DDH FAG236
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From		To		Feature				Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28		Dip	Direct.	Dip	Direct.	Dip	Direct.	
	263		267		G											
	267		279		B											
	279		280		G											
	283		284		G											
	286		297		G											
	297		305		G						115					
	305		314		B			S								
	314		320		G						115					
	344		345		G						115					
			509		G											
	526		527		G						115					
			573		G						115					
			868		G											
	905		914		G			3F	115							
	933		936		G											
	939		950		B											
	953		985		B											
	1002		1003		G						115					
	1015		1024		R											
	1092		1094		G						115					
	1106		1185		Z			B								
	1240		1318		B											
	1318		1323		G			6								
	1326		1345		G			7						115		
	1421		1422		G						115					
	1448		1458		O			F?								
	1680		1681		G						115					
	1700		1702		F				15000					15000		
	1746		1746		G						50000					
	1910		1911		G				45000					35030		
	2085		2090		B											
	2090		2094		G						115					
	2094		2155		B											
	2155		2166		G			3F8						115		
	2166		2188		B											
	2188		2193		G			3F	115							

DDH F16A236
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

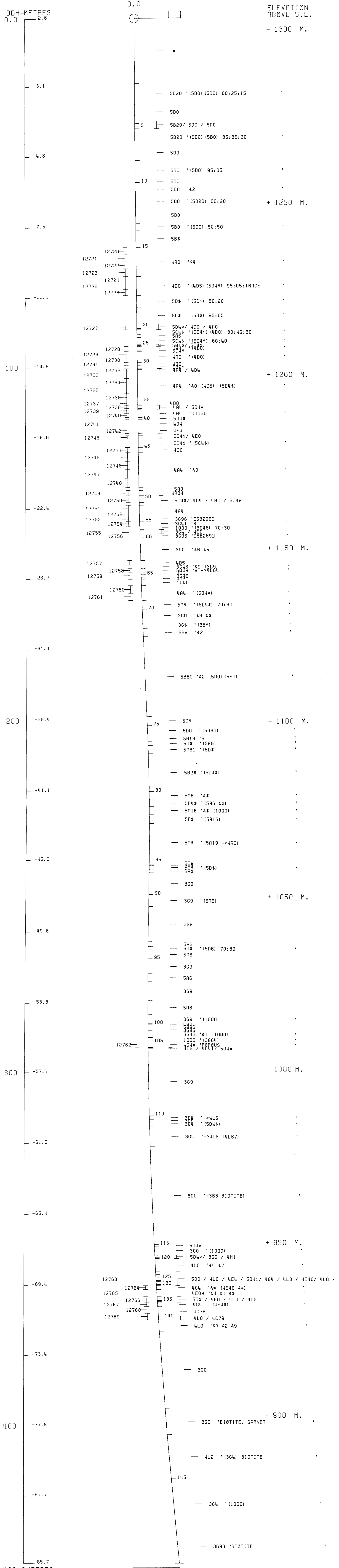
Date: _____ Logged By: _____

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
	262	S	262	6	G				115				
			262	9	1G				45	140			
			267	8	BG				115				
			268	6	G				115				
	271	S	271	6	BG		35	050			115		
			273	7	G				115				
	279	B	282	4	BG				115				
	281	9	281	4	BG				115				
	281	8	282	4	BG				115				
			304	4	1G				115				
			303	6	1G				115				
			307	0	1G				115				
	318	0	318	1	G				115				
	343	8	343	8	G								
	345	9	346	5	BG								
	347	2	347	9	GB				115				
	349	4	349	7	GBF				115				
			351	2	G				115				
	363	5	364	2	D								
	365	9	368	7	D								
	387	6	387	9	G				115				
	392	0	393	9	G		50	340			115		
	393	9	394	8	B1G						70	090	
	394	8	395	0	GB						70	090	
	373	1	387	6	B1G								
	387	9	392	0	B1G								
	403	3	404	4	G						40	080	
	405	0	405	1	G				15	090			
	411	0	411	5	G						15	090	
	414	1	414	5	BG						115		
	424	8	425	2	GZF				115				
	427	8	427	9	G				115				
			428	8	G				115				

DDH: FAGA236 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1304 592226E ; 905267N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 649.4 Z = 1303.5
 SECTION NAME: 82W



DRILL HOLE : EA71173
NORTHING : 904,825.0
EASTING : 591,860.0
ELEVATION : 1,305.0
TOTAL DEPTH : 9.1
SECTION :
R.F.E. :
RFE DIRECTION: 0
PLUNGE ANGLE : 0
PLUNGE DIRECT: 0
DHD CALC: 1
SS CALC: 0

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 0
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 2
NOS DOWN-H-STRUCTURE: 0
NOS DOWN-H-FAULTS: 0
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

18F884 GRUM

DOWN-HOLE SURVEYS (DHD20)

PAGE: 2

DDH: EA71173 UTM-N: 904,825.0 UTM-E: 591,860.0 UTM-ELEV: 1,305.0 TOTAL DEPTH: 9.1 SECTION:
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000

DDH: EA71173 UTM-N: 904,825.0 UTM-E: 591,360.0 UTM-ELEV: 1,305.0 TOTAL DEPTH: 9.1 SECTION:
 RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
6.0	DC01	*	NO RECORD IN LOG	0.5-	1
9.1	OC02	5BC	CC-SER PHYLLITE	0.5-	1

11 2274 GRUF

DOWN-HOLE SPLINES (LHOZC)

PAGE: 4

CDH: EA71173 UTM-N: 904,825.0 UTM-E: 591,800.0 UTM-ELEV: 1,305.0 TOTAL DEPTH: 9.1 SECTION:
RFE: RFE DIR: 0 PLUNGE ANGLES: 0 C DHD CALC: 1 SS CALC: 0

CDH SEGMENT NOS COND INDICATOR

EA71173 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

EA 71173

Hole Number: RH 71-173

Fabric Orientation Diagram:

Project: _____

LOCATED AT SMALL CLEARING ON ROAD

Location: _____

NOT FIELD CHECKED

Claim: _____

MEASURED FROM 1:5000 SCALE

1979 HIW ORTHOPHOTO

UTM ~~True~~ Plane
Co-ords.: 6904825 N

591860 E

Grid
Co-ords.: _____

All symmetry determinations looking

_____ with _____ dipping

Elevation: 1306.

_____ with dip azimuth _____.

Total Depth: 30 feet

Purpose: _____

Logged by: _____ Date(s) Logged: _____

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

Started: _____ Completed: _____

Fect

DDH E.A.7.1.1.7.3
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Lithologic Log

Date: _____ Logged By: _____

Code	From					To					Recov.	No.	Unit	Description	
	1	10	14	16	20	22	24	26	28	30					34
L															No record Overburden?
L															Cal ser phyllite CO ₂ low Non magnetic & nongraphitic

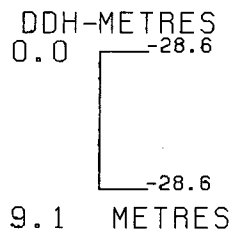
DDH: EA71173 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1305 591860E ; 904825N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 76.2 Z = 1299.4

SECTION NAME: 82W



0.0



0.0

ELEVATION
ABOVE SML.

- * 'NO RECORD IN LOG
- 580 'CC-SER PHYLLITE



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 4 FEB 1985 9:30 AM

DDH: EA71173 -- 42 DEGREE PROFILE

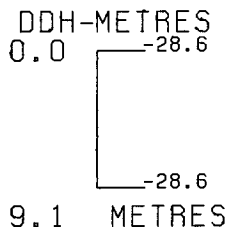
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1305 591860E ; 904825N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 76.2 Z = 1299.4

SECTION NAME: 82W



0.0



0.0

ELEVATION
ABOVE SML.



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 4 FEB 1985 9:31 AM

~~assay log facts~~ resources OK

no downhole survey

no collar coords.

enabled from map RWR

DRILL HOLE : FAGU158
NORTHING : 905,131.9
EASTING : 592,099.0
ELEVATION : 1,097.7
TOTAL DEPTH : 74.3
SECTION : W 82
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: 16
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 27
NOS DOWN-H-STRUCTURE: 10
NOS DOWN-H-FAULTS: 3
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17OCT83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 15

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	45.000	224.000

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 16

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.0	0001	#		0.5-	1
4.1	0002	4A4		0.5-	1
7.6	0003	4A34		0.5-	1
14.1	0004	4A4		0.5-	1
15.5	0005	5A4*		0.5-	1
16.8	0006	4A30		0.5-	1
20.8	0007	5A*		0.5-	1
23.5	0008	5B62	\$	0.5-	1
28.1	0009	5B6\$	88 (50\$) 80:20	0.5-	1
30.5	0010	5B08	(500) 80:20	0.5-	1
35.1	0011	5B6\$		0.5-	1
38.3	0012	5B62	\$ (1000)(5A\$) 60:10:30	0.5-	1
39.5	0013	4L42	87	0.5-	1
41.9	0014	4D4	[4L14278] 89	0.5-	1
42.3	0015	4L42	87	0.5-	1
42.7	0016	4L12	4	0.5-	1
45.7	0017	4L42	87	0.5-	1
47.2	0018	4G4	(4E08)	0.5-	1
56.0	0019	4L42	87 8a	0.5-	1
57.9	0020	4L67	[3G48]	0.5-	1
62.3	0021	4L@	86 87 82	0.5-	1
65.1	0022	5C*	(1000) 90:10	0.5-	1
66.0	0023	5F6		0.5-	1
68.1	0024	5C*		0.5-	1
68.6	0025	4L65		0.5-	1
69.6	0026	4L67	524 81	0.5-	1
74.3	0027	4L65	(10Q*)	0.5-	1

170CT83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 17

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
 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
FAGU158	0.0	3.8	PS1	P	0	0	0	0	50	230	0	1	1	1
FAGU158	0.0	12.4	PS1	P	0	0	0	0	70	230	0	1	1	1
FAGU158	0.0	23.0	CS2		0	0	0	0	40	230	0	1	1	1
FAGU158	0.0	29.7	CS2		0	0	0	0	55	230	0	1	1	1
FAGU158	0.0	37.2	CS2		0	0	0	0	60	230	0	1	1	1
FAGU158	0.0	42.9	PS2		0	0	0	0	45	230	0	1	1	1
FAGU158	0.0	50.9	CS2		0	0	0	0	30	230	0	1	1	1
FAGU158	0.0	58.0	CS2		0	0	0	0	50	230	0	1	1	1
FAGU158	0.0	64.3	CS2		0	0	0	0	32	230	0	1	1	1
FAGU158	0.0	72.0	CS2		0	0	0	0	68	230	0	1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 18

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
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	
FAGU158	4.1	14.1	0				0	0	0	0	1
FAGU158	15.8	20.8	81G	3			0	0	0	0	1
FAGU158	69.5	74.3	18				0	0	0	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 19

DDH: FAGU158 UTM-N: 905,131.9 UTM-E: 592,099.0 UTM-ELEV: 1,097.7 TOTAL DEPTH: 74.3 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU158 1 1

LAST K ADDI # USED 90606.

SEC 82 W

CYPRUS ANVIL MINING CORPORATION

Page 1 of 6

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 158

Reference Fabric Orientation Diagram: _____

Project: GRUM

Location: 82W

Claim: _____

UTM Terr. Plane
Co-ords.: _____

~~6905133~~ 6905131.9195 N

transformed
K-A grid location

~~592099~~ 592098.9854 E

MOT INC IN
HANSONS NOTES

} approx. measured
from map.

Grid
Co-ords: _____

All symmetry determinations looking

K-A elev
= 10.61m

Elevation: ~~1119.02m~~ 1098. 1097.72m ?

From log NW with 5 dipping

Total Depth: 74.3 m

SW with dip azimuth

was
225.
141982

now 230°

Purpose: _____

Reason hole
Terminated: _____

Logged by: _____

Date(s) Logged: _____

Drilling
Contractor: _____

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

Hole
Cemented: _____

Steel down
hole: _____

Started: _____ Completed: _____

Code	From	To	Recov	No.	Unit	Description
10	14	16		34	35	
7	10	10		1		no recovery
7	10	41		2	4A1F	ok exhalers - intact
7	41	76		3	4A3H	sphalct. good exhalers with shaft
7	78	141		4	4A1H	massive sulfide sections, double bxn common, ^{minor} massive py
7	141	155		5	5A1X	bands near base, intact
7	155	168		6	4A3D	rubby near end (but split)
7	168	208		17	5A1*	broken core and some gouge recovered
7	208	235		8	5B6*	30% recovery / intact
7	235	281		9	5B5*	8 db (5D*) 80:20 - 5D* mainly
7	281	305		10	5B08	was end, as thin bands - difficult to distinguish from host ex. intact
7	305	351		11	5B6*	(500) 80:20 short, large good host intact
7	351	388		12	5B62	d.l. (SMT) intact
7	388	395		13	4T42	* db (00) 80:10:30; 0:00 near end, no evidence for fault at lower contact
7	395	419		14	4D4	[4L427] looks like 4L overprint
7	419	423		15	4L42	in a siliceous on faces perhaps 4A give well banded locally - banded with
7	423	427		16	4L12	similar to 14 but less like 4D4
1	427	457		17	4L42	Scm in banded carbonaceous
7	457	472		18	4G4	cores of 44.0
7	472	560		19	4L42	grose bands separated by 44.0
7	560	579		20	4L67	- bands semi massive - ank with gtz in bands with and without py or po in last half - banded with gtz in bands with and without py or po only - green grey rock
7	579	623		21	4F5	Seems like loss in dense portion of garnet units - reflect 1/4 on street
7	623	623		21	4F5	garnet units - reflect 1/4 on street

check this hole / (containing)

47.2 - 56.0 sawn w/ 1/2 remaining

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

Lithologic Log

Date: _____ Logged By: _____

Code	From				To				Recov.				No.				Unit	Description
	10	14	16	20	22	24	26	28	30	34	35	1	2	3	4			
																	and ank bearing bands. - get the feeling like 4k on SB(6)/SD interbands. - most chloritic toward base. intact	
L		623		651								22				SC*	(SP*) 90:10. chl mottled intact	
L		651		660								23				SFG	could be altered SB rather than tuffs - alt banded chloritic rock not good as SD6 - intact	
L		660		681								24				SC*	intact mottled chloritic as #22	
L		681		686								25				4L65	intact minor po. - ghostly chl bearing	
L		686		696								26				4L67	524 = 1 banded po rich sulfides with chloritic partings and some ank(?) rich bands.	
																	30% po.	
L		696		743								27				4L65	(SP*) intact but a little broken. - heavily veined chloritic rock - could be altered SP* 74:3 ≈ EOH	

reflect lithology

DDH FAG 4158
 2 8

Cyprus Anvil Mining Corp.

Structural Log

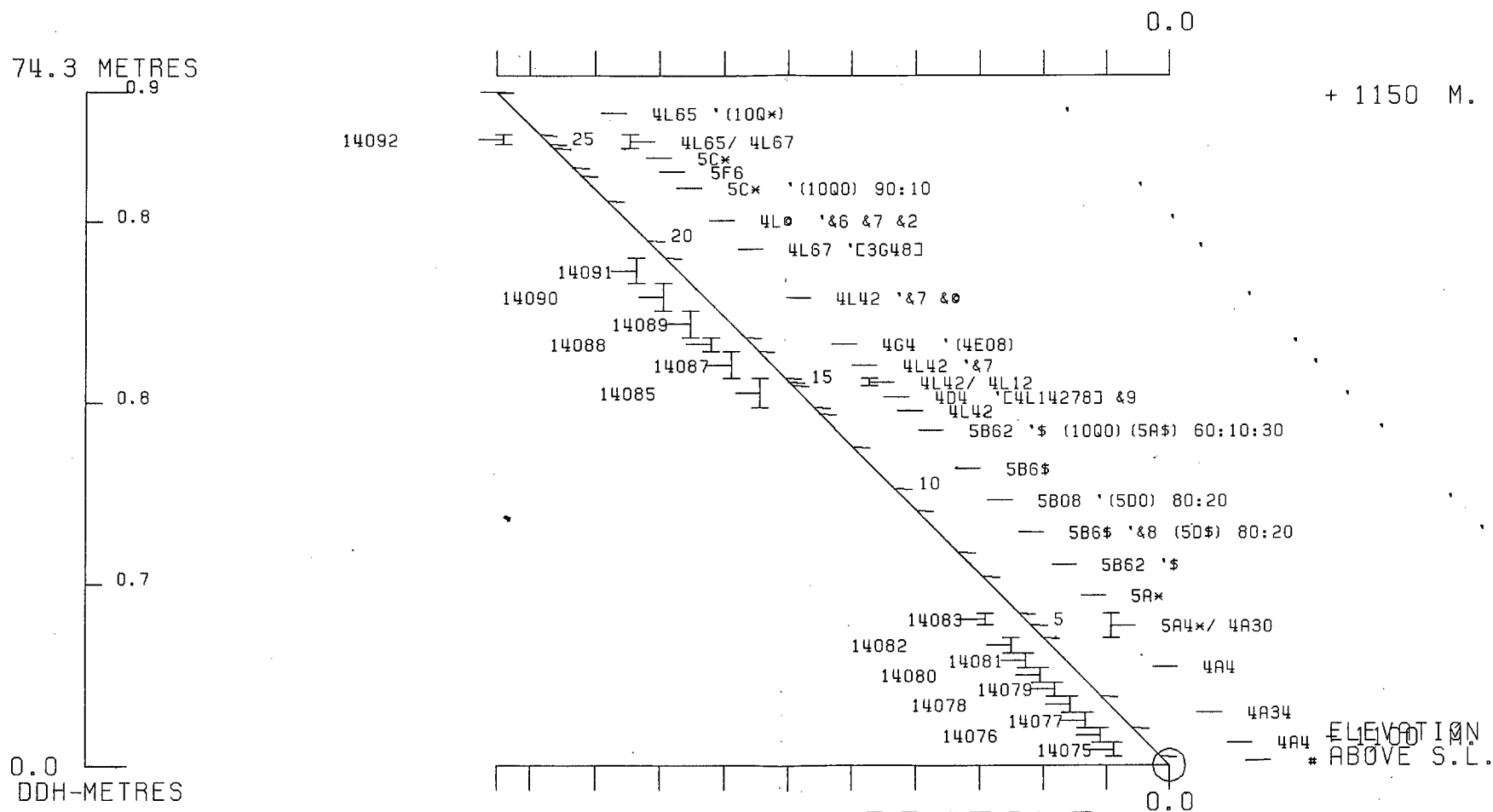
Date: 12 Aug 82 Logged By: GAT/DST

Code	From				To				Feature	S ₀ Dip Direct.	S ₁ Dip Direct.		S ₂ Dip Direct.		Description
	10	14	16	20	22	24	26	28			32	34	38	40	
S				38	RS ₁							50	22.5	or PS2; frac. clng. 20°/180	
S				42	RS ₁							70		" "	
S				50	CS ₂							40			
S				57	CS ₂							55		⇒ PS2	
S				67	CS ₂							60			
S				72	PS ₂							45			
S				81	CS ₂							30			
S				88	CS ₂							50			
S				94	CS ₂							32			
S				100	CS ₂							68			

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		10		25	14075		15		13			4A4	
P		25		41	14076		16		13			4A4	
P		41		58	14077		17		17			4A34	
P		58		76	14078		18		16			4A34	
P		76		92	14079		16		13			4A4	
P		92		108	14080		16		13			4A4	
P		108		124	14081		16		14			4A4	
P		124		141	14082		17		12			4A4	
P		155		168	14083		13		09			4A30	
P		395		427	14085		32		32			404	[4214278 ± 97]
P		427		457	14087		30		30			4L42	± 7
P		457		472	14088		15		15			4G4	(4E08)
P		472		502	14089		30		30			4L42	± 7 ± 5
P		502		532	14090		30		30			4L42	± 7 ± 5
P		532		560	14091		28		28			4L42	± 7 ± 5
P		686		696	14092		10		10			4L67	524 ± 1

no space



DDH: FAGU158 -- 42 DEGREE PROFILE

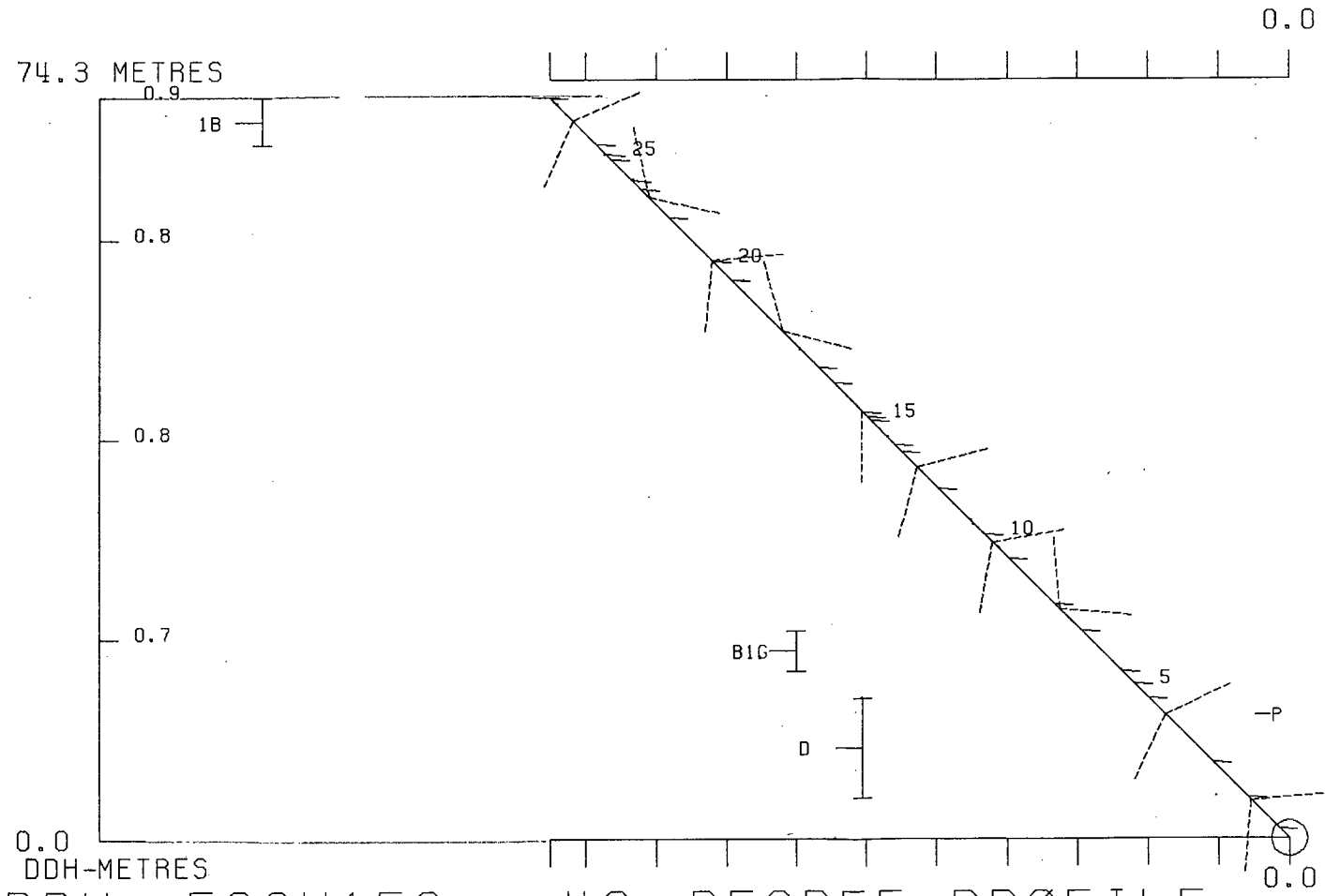
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1098 592099E ; 905132N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 464.2 Z = 1097.8

SECTION NAME: 82W



+ 1150 M.

-P ELEVATION
ABOVE S.L.

DDH: FAGU158 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1098 592099E ; 905132N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 464.2 Z = 1097.8

SECTION NAME: 82W

DRILL HOLE : FAGU160
NORTHING : 905,131.3
EASTING : 592,098.6
ELEVATION : 1,095.3
TOTAL DEPTH : 73.2
SECTION : W 82
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: 35
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 22
NOS DOWN-H-STRUCTURE: 16
NOS DOWN-H-FAULTS: 7
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17OCT83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 22

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

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

17OCT83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 23

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	105.000	224.000

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 24

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.4	0001	#		0.5-	1
7.1	0002	4D5		0.5-	1
11.1	0003	4A0	84	0.5-	1
17.7	0004	4A4	83	0.5-	1
18.5	0005	4E4	(4A0) 95:05	0.5-	1
19.5	0006	4D0	8* 87 (5C4*) 90:10	0.5-	1
22.9	0007	5C4*	(4D3) 90:10	0.5-	1
33.6	0008	4A4		0.5-	1
33.8	0009	5A*		0.5-	1
37.3	0010	4E4	(4E4#)	0.5-	1
33.4	0011	5A3	[58628]	0.5-	1
41.0	0012	4E4	(4A4)(4E0) 50:05:45	0.5-	1
44.3	0013	4E46	(4E0)(4G4)(4A4) 60:10:20:10	0.5-	1
45.5	0014	5C4*		0.5-	1
46.9	0015	4E0	85 81 83	0.5-	1
49.7	0016	4A0	83	0.5-	1
64.8	0017	4G4	8#	0.5-	1
65.3	0018	5C*		0.5-	1
65.6	0019	4G4		0.5-	1
67.1	0020	5C*	(5D*)	0.5-	1
69.2	0021	4A4	83 8* ->5A19	0.5-	1
73.2	0022	5A6	83	0.5-	1

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
 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
FAGU160	0.0	5.8	CS2		0	0	57	230	0	1	1	1
FAGU160	0.0	11.8	CS2		0	0	50	230	0	1	1	1
FAGU160	0.0	18.2	PS2	P	0	0	70	230	0	1	1	1
FAGU160	0.0	23.2	CS2		0	0	55	230	0	1	1	1
FAGU160	0.0	29.6	CS2		0	0	62	230	0	1	1	1
FAGU160	0.0	33.0	CS2		0	0	23	230	0	1	1	1
FAGU160	0.0	37.5	CS2		0	0	15	230	0	1	1	1
FAGU160	0.0	43.3	PS1	P	0	0	14	230	0	1	1	1
FAGU160	0.0	47.2	CS2		0	0	10	230	0	1	1	1
FAGU160	0.0	51.0	PS1	P	0	0	10	230	0	1	1	1
FAGU160	0.0	53.8	PS1	P	0	0	40	230	0	1	1	1
FAGU160	0.0	58.4	PS1	P	0	0	0	230	0	1	1	1
FAGU160	0.0	60.6	PS1	P	0	0	45	230	0	1	1	1
FAGU160	0.0	64.7	PS1	P	0	0	20	230	0	1	1	1
FAGU160	0.0	66.0	CS2		0	0	0	230	0	1	1	1
FAGU160	0.0	71.1	CS2		0	0	29	230	0	1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 26

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
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
FAGU160	0.0	4.5	1R				0	0	0	1
FAGU160	11.1	17.7	1D				0	0	0	1
FAGU160	22.9	27.0	D				0	0	0	1
FAGU160	27.0	33.6	OX				0	0	0	1
FAGU160	33.6	34.5	G				0	0	0	1
FAGU160	35.8	36.2	D				0	0	0	1
FAGU160	46.9	49.7	D				0	0	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 27

DDH: FAGU160 UTM-N: 905,131.3 UTM-E: 592,098.6 UTM-ELEV: 1,095.3 TOTAL DEPTH: 73.2 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU160 1 1

182W-

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 7
Date: _____

Hole Number: FAQU 160

Reference Fabric Orientation Diagram:

Project: GRUM

Location: 82 W.

Claim: _____

UTM Terr. Plane Co-ords.: 905131.3093 N

transformation of K-A grid locations
Grid Co-ords: 592098.6122 E

All symmetry determinations looking

K-A elev = 10.61m
Elevation: 1095.3

NW with 5 dipping

Total Depth: 73.2 m

SW with dip azimuth was 225° now 230

Purpose: _____

Reason hole Terminated: _____

Logged by: GAJ

Date(s) Logged: AUG 87

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

DDH FAGU 116.0
2 8

Diamond Drill Core Log Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)		R.F.E						
					feet	metres							
I	2	8	10	16	17	24	25	32	34	39	41	42	
T	FAGU 116.0	1109.5	3910.5	11311.3	59210.9	81.6	MIETERS				52		

Code	Drillhole	Depth		Zenith Angle		True Azimuth		Comments												
		ft	m	deg	min	deg	min													
I	2	8	10	14	22	26	28	32	34	56										
R	FAGU 116.0			00	10	5	0	22	4	0	A T C O L L I A R									

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

Lithologic Log

Date: _____

Logged By: GAJ

Code	From				To				Recov.				No.	Unit	Description
	10	14	16	20	22	24	26	28	30	34	35				
L		0		14									1		no recvy
L		14		71									2	4DS	not great exhalative looking sulfides - could be altered wallrock since is weakly & diffusely banded - dark med. grey phyllitic partings
L		77		111									3	4AD	normal looking ribbon banded - no problem as exhalites - intact
L		111		177									4	4A4	±3 many very sphal rich layers show ductile flow bxa.
L		177		186									5	4E4	(4AD) 95:5 intact
L		186		195									6	4DP* ₁₇	(5C4*) 90:10 massive 4D - not sure could it be a metam vein intact
L		195		229									7	5C4*	(4D3) 90:10 intact very carbonated chlorite and "Fuchite"
L		229		336									8	4A4	good exhalites but much ductile flow bxa. with fault bxa superimposed below 27m. lower contact broken - looks to be a fault. - unit mainly intact
L		336		358									9	5A*	336-345 = black gouge, remainder of unit is intact though mod. broken. graph rich phyllite with gtz dolo beds. minor py layers but not enough for SA19
L		358		373									10	4E0	(4F4* calc) top .4m is 4E1 ductile flow bxa bottom .5m is 4F4*[4J]*7 mainly intact
L		373		384									11	5A*	[5B62*] borderline unit but most like SA. - good dolo gtz siltstr beds. - dark grey overall.
L		384		410									12	4F4	(4A4)(4E0) 50:5:45 intact
L		410		445									13	4F4.6	(4E0)(4G4)(4A4) 60:10:20:10 intact
L		445		455									14	5C4*	intact
L		455		469									15	4F4	±5 ±1 ±* dolo, intact
L		469		497									16	4A0	±3 ductile flow bxa in bands of 3
L		497		648									17	4G4.±*	remarkably homogeneous banded BaSO ₄ rich massive sulfide/sulfate unit. negligible mt. - intact

near base resembles like 4A

mainly intact minor rubble at 4.5

±3 = py layers near end,

ductile flow bxa

Lithologic Log

Date: _____ Logged By: GJ

Code	From				To				Recov.	No.	Unit	Description	
	1	10	14	16	20	22	24	26					28
L			1648				1653				18	SC*	intact
L			1653				1656				19	4A4	as unit 17 "
L			1656				1671				20	SC*	(SD*) margin (intact)
L			1671				1692				21	4A0	±3 ±* grading down to SA19.
													top .3m is 4A4 which grades
													down to 4A30 and by 68m to
													4A0 intact
L			1692				1732				22	SA6	±* dol (minor) "
													dk grey carbonaceous phyllite with light grey
													laminar qtz siltstn beds - some with dol.
													73-2 = FOH

Structural Log

Code	From		To		Feature	SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				58	CSR						57	225	
S				118	CSR						50		
S				182	INPP						70		could be RS ₁
S				232	CSR						55		
S				295	CSR						62		
S				330	CSR						23		bounded on top by BX1 zone
S													below by major goup.
S				375	CSR						15		
S				433	RS ₁						14		? could be PS ₂
S				472	CSR						10		
S				510	RS ₁						10		
S				538	RS ₁						40		
S				584	RS ₁						00		
S				606	RS ₁						45		
S				647	RS ₁						20		
S				660	CSR						00		
S				711	CSR						29		

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		14		33	14	15	3	19	10	5		4DS	
P		33		52	14	15	4	19	12		4DS		
P		52		71	14	15	5	19	17		4DS		
P		71		91	14	15	6	20	16		4A0		
P		91		111	14	15	7	20	19		4A0		
P		111		128	14	15	8	17	17		4A4	±3	
P		128		145	14	15	9	17	16		4A4	±3	
P		145		162	14	16	0	17	17		4A4	±3	
P		162		177	14	16	1	15	13		4A4	±3	
P		177		186	14	16	2	11	09		4E4	(4A0) 75:5	
P		186		195	14	16	3	11	09		4D0	(SD4*) 90:10	
P		229		249	14	16	4	20	20		4A4		
P		249		269	14	16	5	20	19		4A4		
P		269		289	14	16	6	20	20		4A4		
P		289		309	14	16	7	20	18		4A4		
P		309		318	14	16	8	19	09		4A4		
P		318		336	14	16	9	16	16		4A4		
P		358		373	14	17	0	15	15		4E0	(4E4) calc	
P		384		395	14	17	1	11	11		4E4	(4A4)(4E0) 50:5:45	
P		395		410	14	17	2	15	15		4E4	(4A4)(4E0) "	
P		410		427	14	17	3	17	15		4E4.6	(4E0)(4G4)(4A4) 60:10:20:10	
P		427		445	14	17	4	18	18		4E4.6	(4E0)(4G4)(4A4) "	
P		455		469	14	17	5	14	14		4E4	±5 ±1	
P		469		483	14	17	6	14	13		4A0	±3	
P		483		497	14	17	7	14	12		4A0	±3	
P		497		517	14	17	8	20	20		4G4		
P		517		537	14	17	9	20	19		4G4		
P		537		557	14	18	0	20	20		4G4		
P		557		577	14	18	1	20	20		4G4		
P		577		597	14	18	2	20	20		4G4		
P		597		617	14	18	3	17	17		4G4		
P		617		637	14	18	4	17	17		4G4		

check photologs

ASSAY LOG (SAMPLER'S COPY)

Date _____

Sampled by _____

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION											
	10	14	16	20	22	26	28	30	32	34	36	40		42										
P		63		1		64		8		14		18		5		17		17		4		6		4
P		65		3		65		6		14		18		6		0		3		0		3		4
P		67		1		69		2		14		18		7		2		1		1		9		4

DDH FAGU 160
 2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From		To		Feature	Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20			Dip	Direct.	Dip	Direct.	Dip	Direct.	
				22	45 LR								
				24	177 LD								
				26	270 D								
				28	336 DX								
				30	336 SG								
				32	358 D								
				34	469 D								
				36									
				38									
				40									
				42									
				44									

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG PO

D. D. H. No 76-U-160 PAGE 1

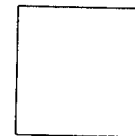
PROPERTY GRUM JOINT VENTURE

LATITUDE 10,930.319mN 3N STARTED AUGUST 27, 1976

DEPARTURE 7,409.153 82W COMPLETED AUGUST 28, 1976

ELEVATION 1.105.88 PROPOSED DEPTH _____
ULTIMATE DEPTH 240' - 73.2m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	-15°



CLAIM No _____

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

TOTAL CORE RECOVERY: 83.2%

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
0	33.5	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. 25 8	1.2	4689	0	4.6	4.6	2.43	2.55	28.46			11.18	11.73	130.92
		Foliation F = 55-60°; F = 0-10°. Wider band of sulfides show compositional banding Py/Sph-Gal = parallel to F. 20 5	1.8	4690	4.6	7.0	2.4	2.73	4.75	32.23			6.55	11.40	77.35
		19.6-22.9: Bleached sericite-chlorite phyllite (Sbc). Competent. Green stripes and spots of chlorite together with blue-green fuchsites in white groundmass. 25 8	2.0	4691	7.0	10.0	3.0	1.13	2.45	18.17			3.39	7.35	54.51
		30 10	2.0	4692	10.0	12.2	2.2	3.30	6.18	52.46			7.26	13.60	115.41
		30 10	1.5	4693	12.2	13.7	1.5	4.95	6.78	66.51			7.43	10.17	99.77
		30 10	1.5	4694	13.7	15.2	1.5	5.20	7.98	75.77			7.80	11.97	113.66
		40 12	1.6	4695	15.2	16.8	1.6	5.48	8.74	75.77			8.77	13.98	121.23
		40 12	1.5	4696	16.8	18.3	1.5	7.18	8.73	119.0			10.77	13.10	178.46
		35 8	1.2	4697	18.3	19.6	1.3	7.42	13.21	110.1			9.65	17.17	143.08
		33.5: Abrupt change to Graphitic phyllite (G). Contact broken core. 25 8	3.0		19.6	22.9	3.3								
33.5	36.0	GRAPHITIC PHYLLITE (G). Broken flakey core. 30 9	1.5	4698	22.9	24.4	1.5	2.00	4.45	34.29			2.00	6.68	51.44
		F = 60°; F = 0-5°. 25 8	1.5	4699	24.4	25.9	1.5	2.13	4.30	38.40			3.20	6.45	57.6
		33.6-33.9: FAULT. Dark sticky thick gouge. 25 8	1.5	4700	25.9	27.4	1.5	4.88	7.59	75.77			7.32	11.39	113.66
		30 8	1.5	4798	27.4	29.0	1.6	2.30	4.45	37.37			3.68	7.12	59.79
		30 8	1.5	4799	29.0	30.5	1.5	4.08	6.08	67.54			6.12	9.12	101.31
		36.0: Abrupt change to Massive sulfide. Contact marked by 20cm. long sulfide Bx cemented by graphite. 25 5	1.5	4800	30.5	32.0	1.5	5.00	8.25	75.77			7.50	12.38	113.66
		25 5	1.0	4801	32.0	33.5	1.5	2.28	4.88	40.46			3.42	7.32	60.69

DDH: FAGU160 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1095 592099E ; 905131N

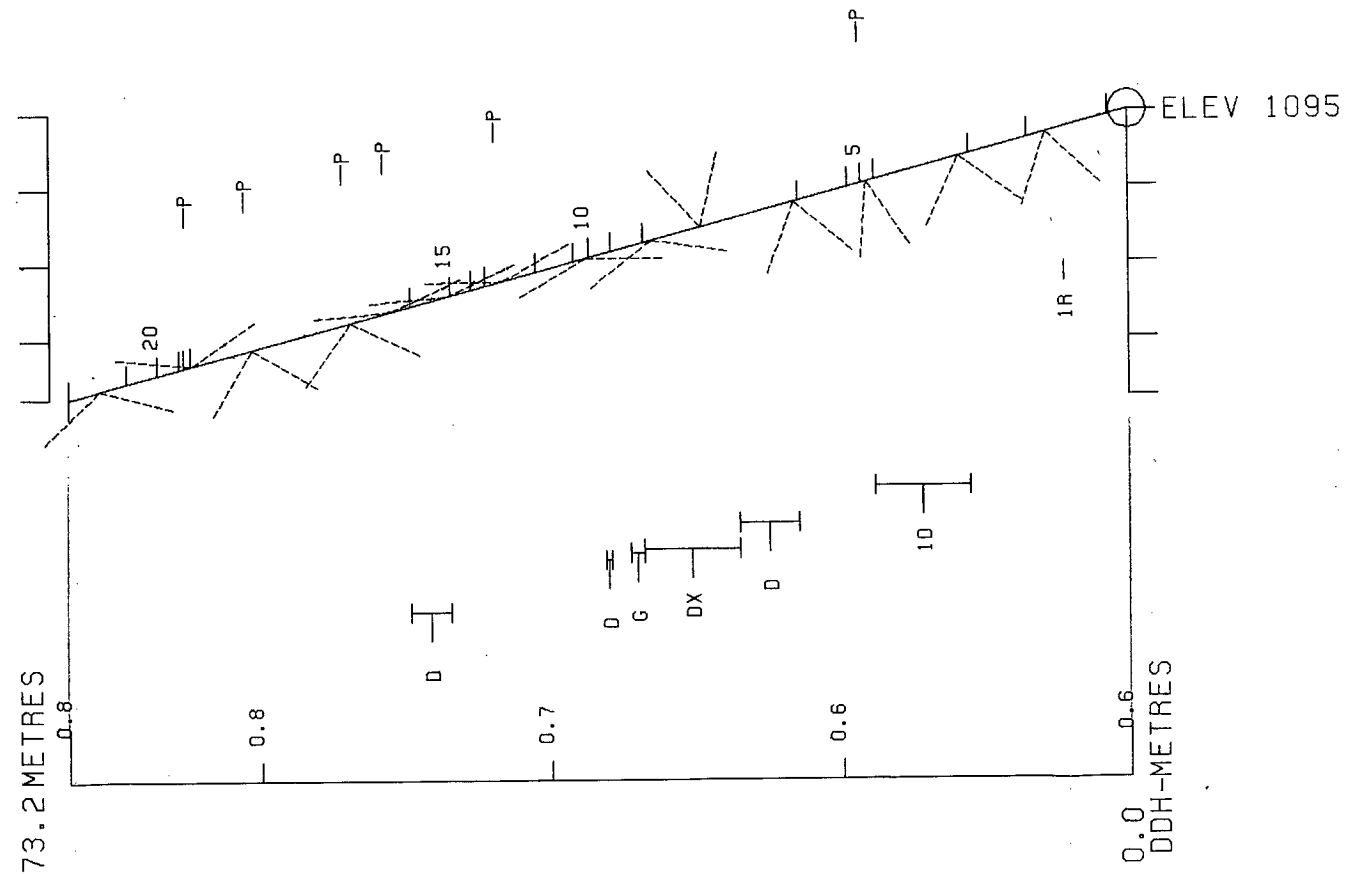
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 463.4 Z = 1095.4

SECTION NAME: 82W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 13 FEB 1985 9:02 AM



DDH: FAGU160 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1095 592099E ; 905131N

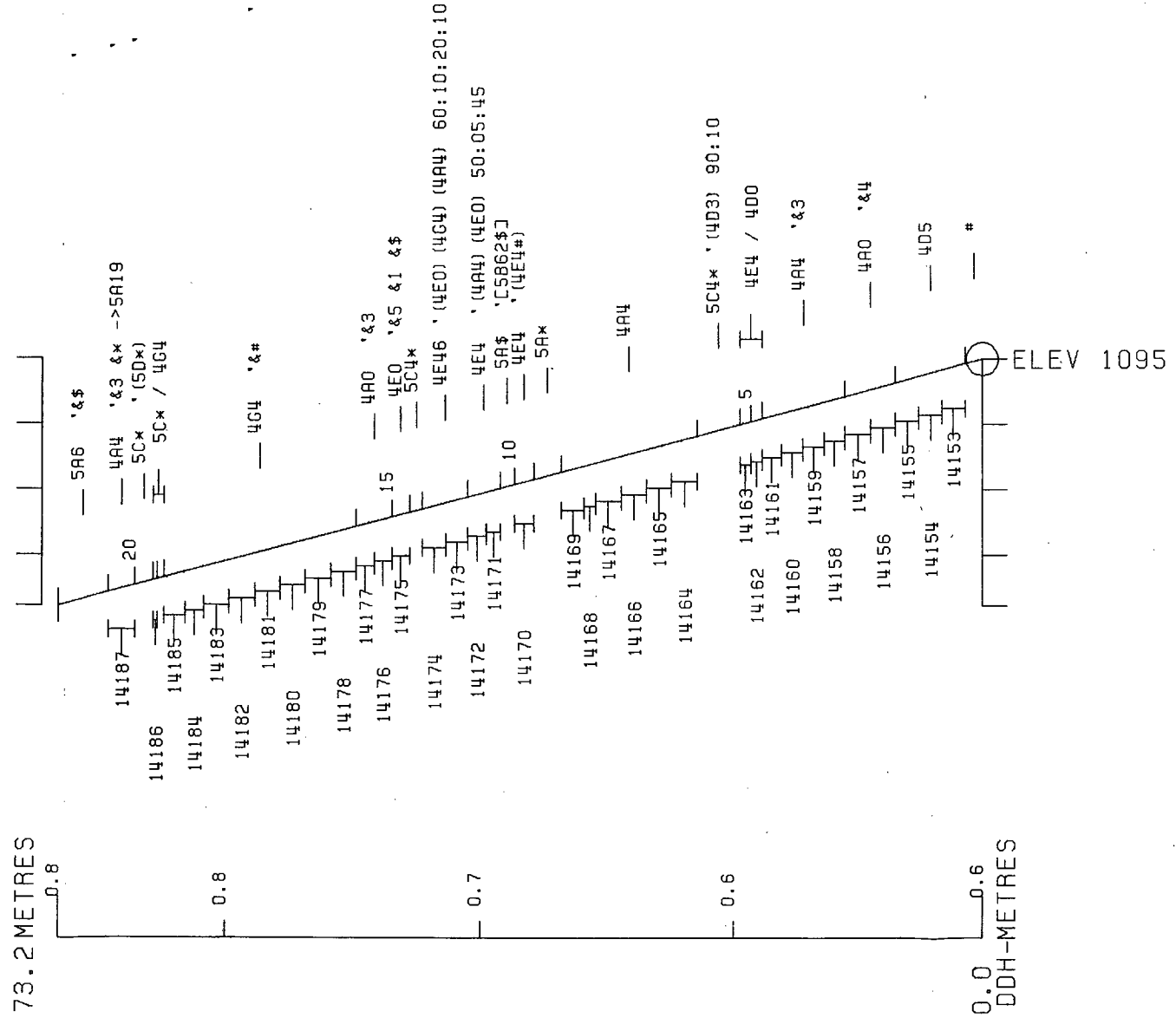
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 463.4 Z = 1095.4

SECTION NAME: 82W



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH162 13 FEB 1985 7:59 AM



FA9 4 /62

DRILL HOLE : FAGU162
NORTHING : 905,131.5
EASTING : 592,099.0
ELEVATION : 1,094.4
TOTAL DEPTH : 153.9
SECTION : W 82
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: 24
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 72
NOS DOWN-H-STRUCTURE: 22
NOS DOWN-H-FAULTS: 8
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

17APR84 GRUM

DOWN-HOLE SURVEYS (DHO2C)

PAGE: 3

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	155.000	224.000
38.100	158.000	228.000
77.500	161.000	216.000
123.400	166.000	193.000

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
4.8	OC01	5C8		0.5-	1
5.4	OC02	4L14	2	0.5-	1
5.8	OC03	5C8	84	0.5-	1
8.0	OC04	4CC	(4A0)(504*)	0.5-	1
10.0	OC05	5C8	(10QC 88) 80:20	0.5-	1
19.6	OC06	4A0	(5D4*) 95:05	0.5-	1
23.4	OC07	4C5		0.5-	1
26.6	OC08	4AC	83 84 (4D5)	0.5-	1
27.7	OC09	4E4	81 88	0.5-	1
27.9	OC10	4L0	88	0.5-	1
34.5	OC11	5A8		0.5-	1
35.2	OC12	4G4	(5D4*) 95:05	0.5-	1
35.7	OC13	4L14	62	0.5-	1
38.7	OC14	5A8	(5A0)	0.5-	1
48.7	OC15	5A0	(5A8)	0.5-	1
49.2	OC16	3G4	->4L0 (10Q*) 60:40	0.5-	1
49.8	OC17	4G4		0.5-	1
50.3	OC18	5C8	(4G4) 65:35	0.5-	1
51.8	OC19	4G4		0.5-	1
52.3	OC20	5A19	\$	0.5-	1
54.0	OC21	4G4	(5C8) 99:01	0.5-	1
54.9	OC22	4L12	465	0.5-	1
59.0	OC23	5A8	(5D48) 98:02	0.5-	1
66.5	OC24	5B62	80	0.5-	1
68.0	OC25	5AC	88	0.5-	1
68.3	OC26	5DC	(10Q*)	0.5-	1
68.4	OC27	4A4	(10QC)	0.5-	1
72.5	OC28	5BC	82 88 (10Q8) 95:05	0.5-	1
77.0	OC29	5DC	(5B80)(10Q*) 75:20:05	0.5-	1
82.6	OC30	5B0	82 88 (10Q0) 98:02	0.5-	1
83.7	OC31	5DC	(10Q0) 98:02	0.5-	1
84.3	OC32	5B82	0 (10Q0) MINOR	0.5-	1
85.3	OC33	5A3	(5D0) 98:02	0.5-	1
89.9	OC34	5BC	88	0.5-	1
90.7	OC35	5B28	(5D48) 70:30	0.5-	1
91.1	OC36	4A1	87 89	0.5-	1
92.0	OC37	4L67	(4D3)	0.5-	1
98.5	OC38	5BC	82 8*	0.5-	1
100.1	OC39	5B62	\$	0.5-	1
100.4	OC40	4A4		0.5-	1
100.6	OC41	4E48	(4G4)	0.5-	1
105.7	OC42	4DC	87 89	0.5-	1
106.2	OC43	4LC	->3G4	0.5-	1
106.5	OC44	4AC		0.5-	1
107.6	OC45	4DC	(4L624) AT TOP	0.5-	1
110.5	OC46	4C5	87 89 ->4A13	0.5-	1
110.8	OC47	4A0		0.5-	1
111.4	OC48	5D4*		0.5-	1
112.8	OC49	4AC	(5B68) 80:20	0.5-	1
113.3	OC50	5B68	82	0.5-	1
113.5	OC51	4D5	->4AC (10QC)	0.5-	1

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
114.3	OC52	504\$	(10Q\$)	0.5-	1
114.9	OC53	10QC		0.5-	1
119.3	OC54	5B26	\$ (10Q\$) 90:10	0.5-	1
121.2	OC55	5A0	(5B2C &#)(10QC &#) 55:15:30	0.5-	1
123.0	OC56	5B20	8 (10Q0) 97:C3	0.5-	1
130.4	OC57	5B23	(5A3 &#)(10Q\$)	0.5-	1
132.4	OC58	3G0	(3G8)(10QC) 60:40	0.5-	1
133.1	OC59	4E4	8\$ (10Q\$)(5C\$)	0.5-	1
134.3	OC60	3G8		0.5-	1
141.3	OC61	3G0	89 (10Q0) 90:10	0.5-	1
142.4	OC62	4LC		0.5-	1
143.0	OC63	4G4		0.5-	1
143.1	OC64	5C\$		0.5-	1
143.3	OC65	4G4		0.5-	1
144.0	OC66	4A0		0.5-	1
145.5	OC67	5C\$	(4G4)(4L24) 55:15:30	0.5-	1
146.7	OC68	4G4		0.5-	1
147.2	OC69	4H2	\$	0.5-	1
147.4	OC70	5C\$		0.5-	1
149.9	OC71	3G0	(10Q0) 98:02	0.5-	1
153.9	OC72	3G9	(10Q0) 90:10	0.5-	1

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	COE	DHCC	SDC	PROCESS
FAGU162	0.0	5.4	CS2	D	0	0	0	0	82	230	0		1	1	1
FAGU162	0.0	14.5	CS2		0	0	0	0	86	230	0		1	1	1
FAGU162	0.0	21.4	CS2		0	0	0	0	85	230	0		1	1	1
FAGU162	0.0	30.2	CS2		0	0	0	0	62	230	0		1	1	1
FAGU162	0.0	37.1	CS2	D	0	0	0	0	75	230	0		1	1	1
FAGU162	0.0	44.0	CS2		0	0	0	0	78	230	0		1	1	1
FAGU162	0.0	49.7	PS2	P	0	0	0	0	62	230	0		1	1	1
FAGU162	0.0	56.5	CS2	Z	0	0	0	0	50	230	0		1	1	1
FAGU162	0.0	63.5	CS2	Z	0	0	0	0	55	230	0		1	1	1
FAGU162	0.0	71.6	CS2	Z	0	0	0	0	65	230	0		1	1	1
FAGU162	0.0	77.7	CS2		0	0	0	0	72	230	0		1	1	1
FAGU162	0.0	86.4	CS2		0	0	0	0	68	230	0		1	1	1
FAGU162	0.0	92.3	CS2		0	0	0	0	90	230	0		1	1	1
FAGU162	0.0	99.0	CS2		0	0	0	0	80	230	0		1	1	1
FAGU162	0.0	107.2	PS2	P	0	0	0	0	80	230	0		1	1	1
FAGU162	0.0	113.3	CS2		0	0	0	0	62	230	0		1	1	1
FAGU162	0.0	121.0	PS2	P	0	0	0	0	53	230	0		1	1	1
FAGU162	0.0	128.1	CS2		0	0	0	0	66	230	0		1	1	1
FAGU162	0.0	134.9	PS2	P	0	0	0	0	72	230	0		1	1	1
FAGU162	0.0	140.8	CS2		0	0	0	0	72	230	0		1	1	1
FAGU162	0.0	148.0	CS2		0	0	0	0	42	230	0		1	1	1
FAGU162	0.0	153.2	PS2	P	0	0	0	0	60	230	0		1	1	1

17APR84 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 7

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 02
 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			
FAGU162	26.6	27.7	1D				0	0	C	C	0	0	1
FAGU162	66.7	66.8	G				C	0	C	C	99	999	1
FAGU162	0.C	67.7	1G				0	0	99	999	0	0	1
FAGU162	66.8	68.0	2B				0	0	C	C	0	0	1
FAGU162	114.3	114.8	XQ				C	0	C	C	0	0	1
FAGU162	114.8	114.9	G				0	0	C	C	0	0	1
FAGU162	0.0	116.5	1G				C	0	C	C	0	0	1
FAGU162	142.2	142.3	G				0	0	99	999	0	0	1

17APR84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 8

DDH: FAGU162 UTM-N: 905,131.5 UTM-E: 592,099.0 UTM-ELEV: 1,094.4 TOTAL DEPTH: 153.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU162	1	2
FAGU162	2	2
FAGU162	3	2
FAGU162	4	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 10:20:35

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 162

Reference Fabric Orientation Diagram:

Project: GRUM

Location: 82W

Claim: _____

Terr. Plane Co-ords.: 905131.5 N

592099.0

592098.9 E

Grid Co-ords: _____

transformed K-A grid coordinates

All symmetry determinations looking

K-A elev. -10.61m
Elevation: 1094.4

NW with S₂ dipping

Total Depth: 153.9 m

SW with dip azimuth 225 *was 230*

was 225

Purpose: _____

Reason hole Terminated: _____

Logged by: DSJ GAJ.

Date(s) Logged: 8 AUG 82

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

DDH FAGU 162
2 8

Diamond Drill Core Log Date: _____ Logged By: _____

Code	Drillhole	Elevation				Northing				Easting				Units (feet/metres)	R.F.E
		8	10	16	17	24	25	32	34	39	41	42			
T	FAGU 162	11094	14905	1311	5	59209	18	9						METERS	52

592099.0 LCP - June 23/83

Code	Drillhole	Depth				Zenith Angle	True Azimuth	Comments		
		8	10	14	22				26	28
R	FAGU 162			100		155	0	2124	0	AT COLLAR
R	FAGU 162			138		158	0	2128	0	SPIRITY SWIM
R	FAGU 162			177		161	0	2116	0	
R	FAGU 162			123		166	0	1913	0	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions													
		8	10	14	22	26	28	32	34	39	41	42	56		

Lithologic Log

Date: 8 Aug 82 Logged By: DST/GAT

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L		10		48					1	5C*	ankimerite; heavily carb. & mottled; intact
L		48		54					2	4L14	2 lt. buff. gray strongly banded (ZnS + py); non-CO ₂ bearing; no fuchsite; probably transposed veins in alt. wallk.
L		54		58					3	5C*	± 4 ankimerite; cf. #1 but more heavily carbonated
L		58		50					4	4C0	(4A0, 5D4*); complexly interbanded unit of off-white to buff py-qtzites, to 5% 4A0 & heavily COO+OO* veins 5D4*
L		80		100					5	5C*	dol; heavily carb. (OOO*) = 20%
L		100		196					6	4A0	(5D4*) 95.5 norm. dk gray strongly banded mod. 5% low BM sulf. variant unit in part 4A1 as gen. v. siliceous
L		196		234					7	4C5	lt. gray, pervasively siliceified, to 5% var. ZnS in som. sulf. occurring as diss. mineralization throughout, 11S; only minor sulfide banding & seq. banding over interval; unit banded top & bottom by good "exhalative" 4A, this strongest argument in favor of considering this unit exhalative; on its own this would be difficult to determine origin
L		234		246					8	4A0	± 3-4 (4D5); good "normal exhalative" (var. w) strong banding & variable sulfide proportions in all ^{min} silica-sulfide & carb. pelite bands
L		246		277					9	4E0	± 1%* dol.; normal 4E, gen. unbande w/ minor dol. patches & gtz ductile microbia
L		277		279					10	4L0	±* dol; half of unit dolomitic & suspected to be 5D4* but no fuchsite & foliac are distinctly grayish so 4L preferred
L		279		345					11	5A*	dolomitic; unit is "striated" interbanded black, non-CO ₂ -bearing pelite & lt. gray

no samp

no samp

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24	26 28 30	34 35		
						gth-dol. bands prob. representing dolomitic silty tuffites/siltstones "marker unit"
L	345	352		112	4G4	(5D4*) ≈ 95:5; normal, well banded v. high grade invariant
L	352	357		113	4L1462	
L	357	387		114	5A*	(5A0) unit as #10 w/ dol. dominant CO ₂ in lt. colored siliceous bands w/ minor calcite
L	387	487		115	5A0	(5A*) continuation of above w/ change in dominant CO ₂ species from dol. to calcite; unit strongly banded or striped as #10 w/ all carbonate in lt. gray siliceous bands; unit ≈ 5% irreg. OBO mainly toward base of interval N.B.: all units to this point intact w/ no areas of obvious core loss or faults
L	487	492		116	3G4	⇒ 4L0 (0Q*) 60:40
L	492	498		117	4G4	normal, banded, high grade as #11
L	498	503		118	5C*	(4G4) 65:35; spectacular unit of carbonated (dol.) sp. green mottled & banded 5C* of 1-3 cm. thick
L	503	518		119	4G4	4G4 → 4E46 high grade bands lt. gray, heavily pyritic typical high grade 4G4
L	518	523		20	5A19*	* dolo. dolo. in lt. gray gth CO ₂ ± py bands resembling 4A but unit ≠ 4A, unit intact
L	523	540		21	4G4	(5C*) * = dolo. 99:1 4G is lt. gray heavily pyritic and rich in resin colored sphal - 5C s. foliiform mass recr. center unit
L	540	549		22	4L12	4G5 patchily, weakly calc. lt. green tinge, carries sphal minor py & po intact
L	549	590		23	5A*	(5D4*) as thin tuff(?) bands, 2% of unit * = dolo. in 5A occurs in lt. gray siliceous bands separated by black pelitic folia, like unit 10, intact

sample

no sample

Lithologic Log

Date: _____ Logged By: _____

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	590		665							24	S.B.62	± 0 trace calcite. - unit generally non calc only minor calc lithons but non calc lithons (sttstn) abundant unit striped due to carbonaceous S ₂ folia
L	665		680							25	SAP	±* black phyllite with interbedded thin qtz CO ₂ laminae S ₂ with variable prop. calcite/dolomite - unit moderately broken though with gorge at 66.7-66.8 xerts S ₂ horizontal upper contact, S ₂ at base; 3cm S ₂ gorge @ 67.7m
L	680		683							26	SAP	(00X) intact
L	683		684							27	4A4	(000)
L	684		725							28	SBP	±2 ±*(?) dolo. unit good Vaugarda formation with only minor dolo lithons, (00X) 5%
L	725		770							29	SAP	(S880) 75:20 (00X)S all units normal calc Vaugarda fm - intact
L	770		826							30	SBP	±2 ±8(000) 1-2% normal FO _v w dark grey S ₂ carb folia giving weakly striped appearance
L	826		837							31	SAP	(000) 1-2% intact
L	837		843							32	SBP	8:20 as unit 29 (000) minor
L	843		853							33	SAP	(500) 98:2 highly calc w CO ₂ restricted to lt grey 30/CO ₂ bands defining lithons
L	853		899							34	SBP	±8 unit med. grey green - mostly pervasively S ₂ foliated but some remaining lithon streak outlined by qtz + CO ₂ layers - typical CO _v
L	899		907							35	SBP*	(504*) 30% med to med dark grey non calc vertically carbonaceous *dolo in lt grey 30/CO ₂ bands - like CO _v but with dolo instead of calcite
L	907		911							36	4A1	±7 ±9 unit of questionable origin

no sample

Lithologic Log

Date: _____ Logged By: _____

No Sample

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						but probably exhalative with py + sphal rich layers and carb quartzite
L	911	920		37	4L67 (403)	4L has minor \rightarrow may not be stratiform
L	920	985		38	5B01	$\pm 2 \pm *$ (?) seem to be \geq CO_2 species in some lamina otherwise normal SB
L	985	1001		39	5B62	* med-dark grey - strongly dolomitic good lithon structure - looks like marker above $S^=$, looks like CO_2 but dob.
L	1001	1004		40	4A4	normal exhalative, moderate tot $S^=$ moderately siliceous
L	1004	1006		41	4E48 (464)	may be top of annual cycle.
L	1006	1057		42	4D0	$\pm 7 \pm 9$ very pyritic quartzite with good deal of epv d'ps in S-cutting Fracts, py 35-45% of unit and distributed in good bands as well as heavily disseminated
L	1057	1062		43	4L0	$\rightarrow 364$
L	1062	1065		44	4A0	low tot $S^=$, low py but good CIA
L	1065	1076		45	4D0	(4L624) 4L in top 1m OI. 4D as in unit 41
L	1076	1105		46	4C5	$\pm 7 \pm 9 \rightarrow 4A13$ siliceous carbonac. wispy lamina distinguish from unit 44 - strongly siliceous exhalative looking
L	1105	1108		47	4A0	
L	1108	1114		48	5D4X	intact as most of hole has been same noted gorges
L	1114	1128		49	4A0	(5B6X dob) 80:20 4A has low total py rich in sphal - thin, but strongly banded - very siliceous overall - looks like good exhalite
L	1128	1133		50	5B6*	± 2 dob. similar to unit 38 shows good lithon structure like CO_2 should
L	1133	1135		51	4D5	$\rightarrow 4A0$ (090) intact normal,

Lithologic Log

Date: _____ Logged By: _____

Code	From		To		Recov.		No.		Unit	Description	
	10	14	16	20	22	24	26	28			30
L	1135		1143						52	504*	dolo(00*) with dissem to blocky massive sphul py in 00* bands which are probably pre D ₂ veins
L	1143		1149						53	000	veins with 50-70% S ₂ dominantly py sphul - 000 is brecciated and has minor 504* frags - unit looks like flow brecciated vein - larger version of veins in unit 51, base of unit is IND gorge at 114.8 - 114.9
L	1149		1193						54	5B26	* ^(00*) 10% med grey to med dk grey ps ₂ foliated with minor lt grey gtz dolo laminae - unit distinctly not as dolo as unit 38 and 49 despite similar name, 1 m ind gorge at 116.5
L	1193		1212						55	5A0	(5B20 ± *) (000 ± *) 15% black to dk grey ps ₂ foliated with 20-30% lt colored gtz CO ₃ bands with calcite dominant CO ₃
L	1212		1230						56	5B20	8 ⁽⁰⁰⁰⁾ 70% + grey green musc chl phylite with prominent calcite lamination - unit heavy in FeO
L	1230		1304						57	5B23	(5A3 ± * dolo) (00*) 5% - strongly striped assemblage of dk grey to black non calc phy with lt grey gtz CO ₃ folia showing good lithon structure similar to units up hole - main CO ₃ species is calcite
L	1304		1324						58	360	(368) (000) normal ps ₂ foliated with irregular 000 swaths 368 ~ 40% of interval is weakly S ₂ ll banded but generally homogeneous not too dissem to that in #456-07 under local Lk. but not as much
L	1324		1331						59	4E4	±* dolo (00*) (50*) interval thul

Lithologic Log

Date: _____ Logged By: _____

Code	From		To		Recov.			No.			Unit	Description
	10	14	16	20	22	24	26	28	30	34		
												to laminar, banded - very high grade +20% - rosier colored sphal, 15% of unit, SC + 60% at 132.7 to 133.9
L	1331		1343						60		368	dull lt green ps ₂ foliated w weak banding S ₂ - may be a meta tuff or SDG equivalent
L	1343		1413						61		360	±9(000) 5-10% unit ps ₂ foliated characteristically alk med grey / lt grey strippled phyllite as seen at unit 23
L	1413		1424						62		460	shows broad .5m tx contact with overlying unit intact same for .1m ~ S ₂ group at 142.2 - 142.3
L	1424		1430						63		464	normal perv foliated thin banded, high grade.
L	1430		1431						64		SC*	dolo
L	1431		1433						65		464	
L	1433		1440						66		440	low to b ss py dominant normal exhalative looking
L	1440		1455						67		SC*	dolo. (464)(4224) ss: 15.30 complexly infolded sequence of SC* and 464 clearly an F ₂ M region with at least 2 F ₂ closures seen
L	1455		1467						68		464	as above.
L	1467		1472						69		462	* dolo has an inclusion of 440 with S ₂ to core axis is rotated
L	1472		1474						70		SC*	dolo, mottled typical of SC' with broad sigmoidal pattern to S ₂ 18. flat at top & bottom steep in middle of unit
L	1474		1499						71		360	(000) 1-2% normal carbonate 36 not speckled no stringers no dolo siltstone bands. - just normal 360

Lithologic Log

Code	From				To				Recov.	No.	Unit	Description
	1	10	14	16	20	22	24	26				
L		149	9		153	9			72	369	(000)	5-10% op o as irregular S ₂ foliiform .05-.1 in thick masses. - unit not speckled or stringered - not laminitic
												153.9 = EOH

DDH FAGD162
 2 8

Cyprus Anvil Mining Corp.

Page 10 of 11

Structural Log

Date: _____ Logged By: DJJ

Code	From			To			Feature SYM	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24		26	28	32	34	38	40	
S				5	4		INDD					82	22.5	CS ₂
S				14	5		CS2					85		
S				21	4		CS2					85		
S				30	2		CS2					62		
S				37	1		INDD					75		CS ₂
S				44	0		CS2					78		
S				49	7		INDP					62		
S				56	5		CS2Z					50		
S				63	5		CS2Z					55		
S				71	6		CS2Z					65		
S				77	7		CS2					72		→PS ₂
S				86	4		CS2					68		
S				92	3		CS2					90		
S				99	0		CS2					80		
S				107	2		INDP					80		
S				113	3		CS2					62		
S				121	0		INDP					53		
S				128	1		CS2					66		
S				134	9		INDP					72		
S				140	8		CS2					72		
S				148	0		CS2					42		flattens out near 151 stop from 147-2-151.0
S				153	2		CS2P					60		

ASSAY LOG (SAMPLER'S COPY)

Date 8, Aug 82 Sampled by _____

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
P	110	0	112	0	14031		120		118		4A01		(504*)
P	112	0	114	0	14032		120		120		4A01		"
P	114	0	116	0	14033		120		119		4A01		"
P	116	0	118	0	14034		120		117		4A01		"
P	118	0	119	6	14035		116		115		4A01		"
P	119	6	121	6	14036		120		120		4C51		
P	121	6	123	4	14037		118		115		4C51		
P	123	4	125	0	14038		116		110		4A01		±3±4(405)
P	125	0	126	6	14039		116		115		4A01		" " "
P	126	6	127	7	14040		111		111		4E01		±1±*dol.
P	134	5	135	7	14041		112		111		4G41		(4L1462, 504*)
P	149	2	150	7	14042		115		114		4G41		(5C*)
P	151	7	152	3	14043		116		115		4G41		(5A19*)
P	152	3	154	0	14044		117		117		4G41		
P	110	1	110	20	14045		119		118		4D101		(4A4, 4E48, 4G4)
P	110	20	110	40	14046		120		120		4D101		±7±9
P	110	40	110	57	14047		117		115		4D101		" "
P	110	57	110	76	14048		119		117		4D101		(4L0, 4A0)
P	110	76	111	05	14049		129		129		4C51		±7±9 ⇒ 4A13
P	111	05	111	28	14050		123		119		4A01		(504*)
P	113	24	113	31	14052		107		107		4E41		±*
P	114	24	114	40	14053		116		116		4G41		(5C*, 4A0)
P	114	40	114	55	14054		115		112		5C1*1		(4G4)(4L24)
P	114	55	114	72	14055		117		116		4G41		(4H2)

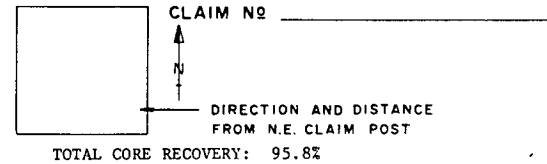
DIAMOND DRILL RECORD

LOGGED BY ALEXNADER YOUNG-PO

D. D. H. No 76-U-162 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE * 10,930.5 3N STARTED AUGUST 30, 1976
 DEPARTURE * 7,409.5 82W COMPLETED SEPTEMBER 1, 1976
 ELEVATION * 1.105 PROPOSED DEPTH _____
 * - approximated ULTIMATE DEPTH 505' - 153.9m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	224°	-65°
38.1m	227°	-66°
77.7m	213°	-71°
123.4m	192°	-76°



Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	10.1	CHLORITE PHYLLITE (C). Competent. Regular green and white stripes. F = 85-90°; F = 0-5°. Short intervals showing mineralization @ 4.6-5; 7.0-7.2; 9.1-9.3. PY: 15% PbZn: 1% 6.0-6.2: Interval of mineralized graphitic phyllite (PG). Contact sharp and clean = 90°. PY: 5%, PbZn: Tr. 10.1: Sharp clean contact with mineralized Graphitic Phyllite (PG) = 85°.	9.2		0	10.1	10.1										
10.1	27.6	MINERALIZED GRAPHITIC PHYLLITE (PG). Competent. Foliation = 80-90°; F = 0-5°. Series of small F noses. Sulfides mostly confined in F folds. NOTE: Drill penetrating perpendicular to F and parallel to F. 19.7-23.0: Quartz-sulfide interval. F = 90°; F = 0°. Contacts sharp and clean = 90°.	5 1 10 2 10 2 7 2 10 4 15 6 40 7	1.8 2.9 3.0 3.0 3.0 1.4 1.7	4868 4869 4870 4871 4872 4873 4874	10.1 12.2 15.2 18.3 21.3 24.4 25.9 27.6	2.1 3.0 3.1 3.0 3.1 1.5 1.7	1.90 0.63 1.55 0.78 1.20 0.60 4.18	0.43 0.33 0.98 1.25 2.05 1.55 5.93	27.43 12.00 24.34 9.94 16.11 10.97 67.54							
		27.6: Abrupt change to Graphitic Phyllite (G). Contact		W.Av.	10.1	25.9	15.8	2.22	PbZn				35.01	PbZn			

LOGGED BY _____

D.D.H. NO 76-U-162 PAGE 2

Interval		DESCRIPTION	Recovery	Sample NO	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		marked by Bleached Phyllite (Sb) - 3cm. long. Contact plane = 75°.															
27.6	48.6	GRAPHITIC PHYLLITE (G). Very fissile, easily breaks into poker chips. F = 75-80°; F = 5-10°.	6.5		27.6	34.6	7.0										
		34.6-35.5: Mineralized Bleached Phyllite with Barite 15 9	0.9	4875	34.6	35.5	0.9	4.48	8.93	85.72							
		in groundmass. Buff to white. Sulfide in dissemination. Faint foliation (alignment of sulfide xls) = 70°. Contact sharp = 70°.	12.8		35.5	48.6	13.1										
		35.5: Introduction of Calcite as thin laminae together with wider bands of Graphite (GK).															
		35.5-48.6: Calcitic Graphitic Phyllite. Series of small F fold. F = 85-90°; F = 0-5°.															
		48.6: Sharp change to Sulfide with Barite groundmass (Mb). Contact = marked by bleached sericite phyllite (Sb) = plane = 75°.															
48.6	54.9	SULFIDES WITH BARITE GROUNDMASS (Mb). Competent. Compositional banding Py-Sph/Gal-Ba = 75-85°. 4 N11	0.6	W.Av.	49.2	54.9	5.7	6.80	12.79	132.9			38.77	72.92	757.56		
		48.6-49.2: Bleached Sericite Phyllite. Competent. Buff to silvery gray. Foliation = 80-85°. 20 18	1.1	4876	49.2	50.3	1.1	7.45	12.72	134.1			8.20	13.99	147.47		
		Sharp contact = 80°. 15 12	1.5	4877	50.3	51.8	1.5	8.25	18.54	139.2			12.38	27.81	208.8		
			1.5	4878	51.8	53.3	1.5	4.18	8.68	68.57			6.27	13.02	102.86		

Interval		DESCRIPTION	Recovery	Sample N _o	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
68.6	100.4	CALCITIC SERICITE PHYLLITE (SK). Competent. F = 65-75°; F = 0-10°. Sporadic clots of Po. 2	30.5		68.6	100.4	31.8										
		82.3-83.8: Small trace of Chlorite as thin laminae. Chlorite = 10%.															
		84.2-85.3: Graphitic interval. Calcite as thin laminae.															
		91.1-92: Mineralized Bleached Phyllite interval (P-Sb). Competent. Buff. F = 80-85°; F = 0°. Contacts sharp and clean = 75-80°. Py: 15%, PbZn 2%. 1															
		100.4: Abrupt change to Quartz-Sulfide. Contact broken ground, plane apparently = 85° (based on reconstruc- ted fragments).															
100.4	112.8	QUARTZ-SULFIDE (P). Competent. Groundmass very siliceous. Short intercalated Bleached Sericite Phyllite (2-3cm) @ 105.5-107.0. Foliation = 80-85° F; F = 0-5°. Sporadic blebs of Po with Py clusters	25 4 25 6 30 4 25 7 20 8	1.7 1.0 1.6 1.4 1.5	4880 4881 4882 4883 4884	100.4 102.1 103.6 105.2 106.7	102.1 103.6 105.2 106.7 108.2	1.7 1.5 1.6 1.5 1.5	1.55 2.00 1.05 2.00 0.93	2.18 2.75 1.28 2.70 1.08	21.26 28.46 15.09 28.46 15.09						
		110-111.3: Bleached Phyllite (Sb). Buff with green- ish hue. F = 80°; F = 0°. Contacts sharp = 85°. 2 1	20 3 25 3 20 5	1.5 1.5 1.5	4885 4886 4887	108.2 109.7 111.3	109.7 111.3 112.8	1.5 1.6 1.5	0.13 0.98 1.68	0.13 1.03 2.50	5.14 10.97 23.31						
		112.8: Abrupt change to Sericite Phyllite (S). Contact marked by bull quartz (2.5cm) = 75°.															
					W.Av. W.Av.	100.4 103.6	103.6 108.2	3.2 4.6	1.76 3 PZ	2.45 24.6				5.64	7.84	78.83	

LOGGED BY

D.D.H. NO 76-U-162 PAGE 6

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		133.0: Sharp contact with Bleached Phyllite (Sb) = 75°.															
133.0	134.2	BLEACHED PHYLLITE (Sb). Competent. Light gray with greenish hue and silvery white. Could possibly have interstacked chlorite with sericite. F = 75-80°.	1.2		133.0	134.2	1.2										
		134.2: Gradual change to Dark Sericite Phyllite (S).															
134.2	141.0	DARK SERICITE PHYLLITE (S). Competent. F = 75-80°; F not well developed.	6.7		134.2	141.0	6.8										
		38.8-38.9: Chlorite unit (C). Clean sharp contact = 80°.															
		141.0: Gradual change to Bleached Phyllite (Sb).															
141.0	142.1	BLEACHED PHYLLITE (Sb). Soft core. Buff with greenish hue. F = 80°; F note developed.	1.1		141.0	142.1	1.1										
		142.0: Shear.															
		142.1: Sharp clean contact with Massive Banded Sulfide (MB) = 75°.															
142.1	142.9	MASSIVE BANDED SULFIDE (Mb). Competent. Compositional band = 75° (Py-Sph-Barite).	1.4	4888	142.1	143.6	1.5	2.48	4.85	44.23							
		15 2	1.5	4889	143.6	145.1	1.5	1.00	2.35	16.11							
		142.9: Sharp change to Mineralized Graphitic Phyllite (PG) = 70°.	1.5	4890	145.1	146.6	1.5	5.00	7.06	75.77							
				W.Av.	142.1	146.6	4.5	2.83	4.75	45.4							

DDH: FAGU162 -- 42 DEGREE PROFILE

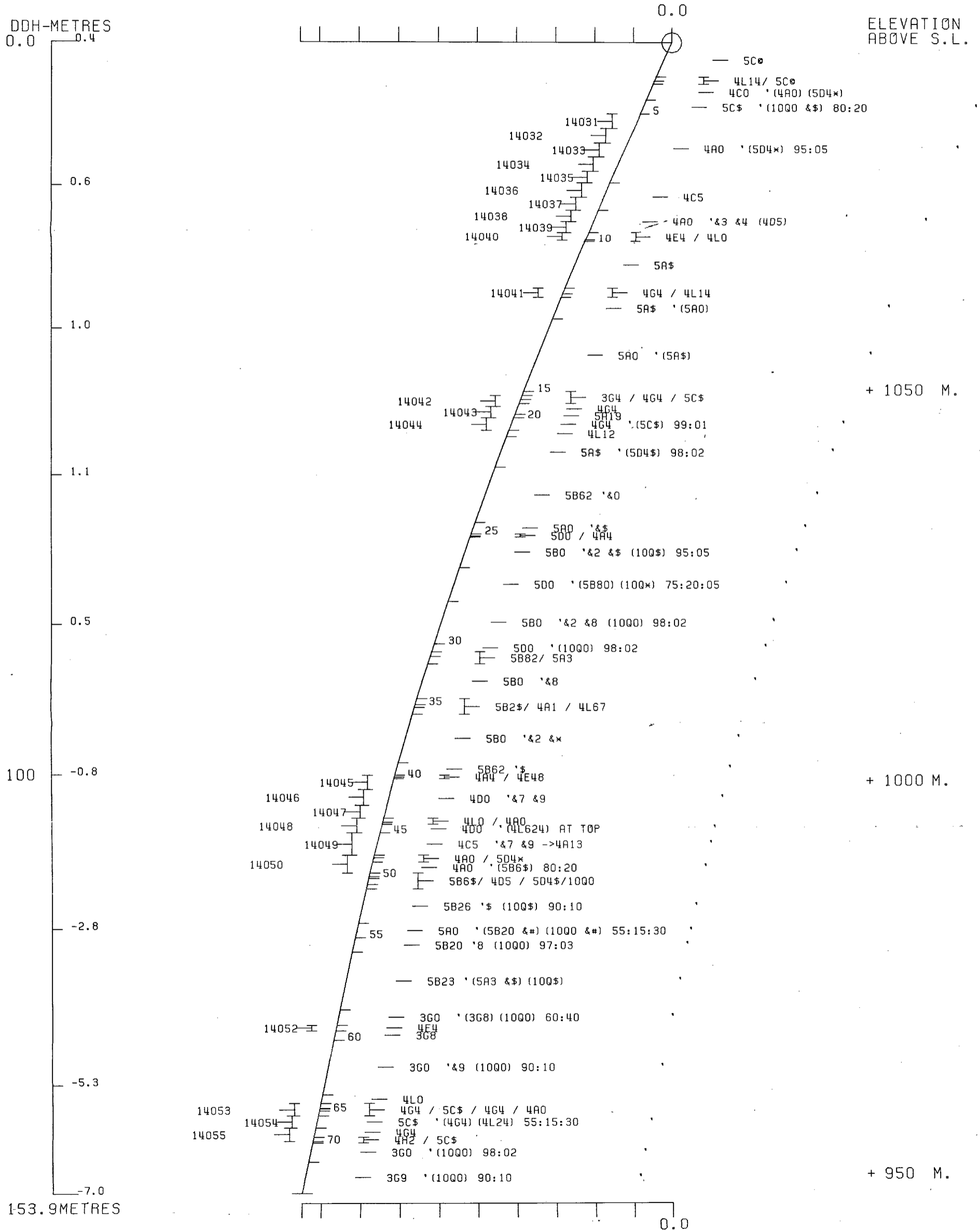
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1094 592099E ; 905132N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 463.9 Z = 1094.5

SECTION NAME: 82W



DDH: FAGU162 -- 42 DEGREE PROFILE

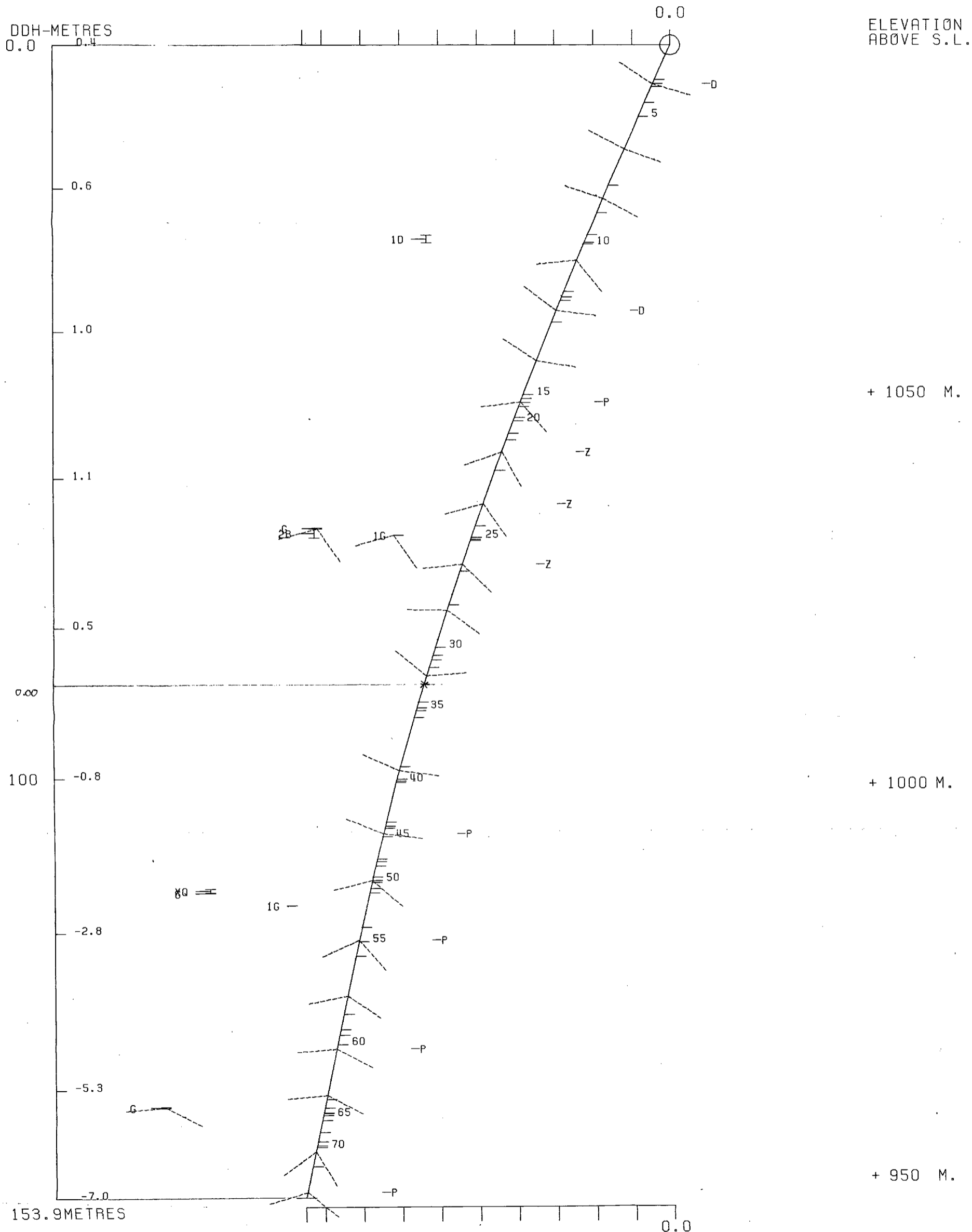
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1094 592099E ; 905132N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 463.9 Z = 1094.5

SECTION NAME: 82W



FA50 164

DRILL HOLE : FAGU164
NORTHING : 905,132.6
EASTING : 592,099.6
ELEVATION : 1,099.2
TOTAL DEPTH : 50.0
SECTION : W 82
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: 7
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 21
NOS DOWN-H-STRUCTURE: 7
NOS DOWN-H-FAULTS: 5
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17OCT83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 38

DDH: FAGU164 UTM-N: 905,132.6 UTM-E: 592,099.6 UTM-ELEV: 1,099.2 TOTAL DEPTH: 50.0 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	18.000	224.000

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 39

DDH: FAGU164 UTM-N: 905,132.6 UTM-E: 592,099.6 UTM-ELEV: 1,099.2 TOTAL DEPTH: 50.0 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.7	0001	4A4	->4A34 DOWN HOLE	0.5-	1
6.3	0002	4E4	&5	0.5-	1
7.0	0003	4A4*		0.5-	1
7.2	0004	5D4*		0.5-	1
7.8	0005	4A4		0.5-	1
8.4	0006	5D4*		0.5-	1
10.7	0007	4A4		0.5-	1
11.7	0008	4D45	(4E4) AT BASE	0.5-	1
12.0	0009	4G4		0.5-	1
13.4	0010	5A&9		0.5-	1
20.1	0011	5B62	&8	0.5-	1
24.9	0012	5B0	&8	0.5-	1
25.5	0013	5D0		0.5-	1
31.5	0014	5B0	&8	0.5-	1
32.6	0015	5D0	&8	0.5-	1
39.9	0016	5B0	(5D0)	0.5-	1
42.7	0017	5D40	(5B0)(5B*) 70:20:10 [4L24]	0.5-	1
43.0	0018	4G4		0.5-	1
43.7	0019	4E4	POROUS	0.5-	1
45.2	0020	5D4*		0.5-	1
50.0	0021	5D40	&6 (10Q0) [4L0 &2 &4] AT TOP	0.5-	1

17OCT83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 40

DDH: FAGU164 UTM-N: 905,132.6 UTM-E: 592,099.6 UTM-ELEV: 1,099.2 TOTAL DEPTH: 50.0 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU164	0.0	8.6	PS2	P	0	0	0	0	68	230	0		1	1	1
FAGU164	0.0	15.4	CS2		0	0	0	0	90	230	0		1	1	1
FAGU164	0.0	21.8	CS2		0	0	0	0	85	230	0		1	1	1
FAGU164	0.0	29.7	CS2	D	0	0	0	0	75	230	0		1	1	1
FAGU164	0.0	35.3	CS2	D	0	0	0	0	55	230	0		1	1	1
FAGU164	0.0	41.9	PS2	P	0	0	0	0	68	230	0		1	1	1
FAGU164	0.0	48.9	PS2	P	0	0	0	0	70	230	0		1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 41

DDH: FAGU164 UTM-N: 905,132.6 UTM-E: 592,099.6 UTM-ELEV: 1,099.2 TOTAL DEPTH: 50.0 SECTION: W 82
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	
FAGU164	0.0	2.5	NP				0	0	0	0	1
FAGU164	4.6	6.1	P				0	0	0	0	1
FAGU164	6.3	7.0	D				0	0	0	0	1
FAGU164	8.4	10.7	D				0	0	0	0	1
FAGU164	12.0	13.9	GS	3			0	0	0	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 42

DDH: FAGU164 UTM-N: 905,132.6 UTM-E: 592,099.6 UTM-ELEV: 1,099.2 TOTAL DEPTH: 50.0 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU164 1 1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:17:33

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 164

Reference Fabric Orientation Diagram: _____

Project: GRUM

Location: 82W

Claim: _____

UTM Terr. Plane Co-ords.: 905132.6 N

transformations of K-A grid coordinates 592099.6 E

Grid Co-ords: _____

All symmetry determinations looking

K-A elev -10.61m Elevation: 1099.2

NW with 52 dipping

Total Depth: 50.0 m

SW with dip azimuth was 225. now 230

Purpose: _____

Reason hole Terminated: _____

Logged by: GAJ.

Date(s) Logged: AUG 82

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

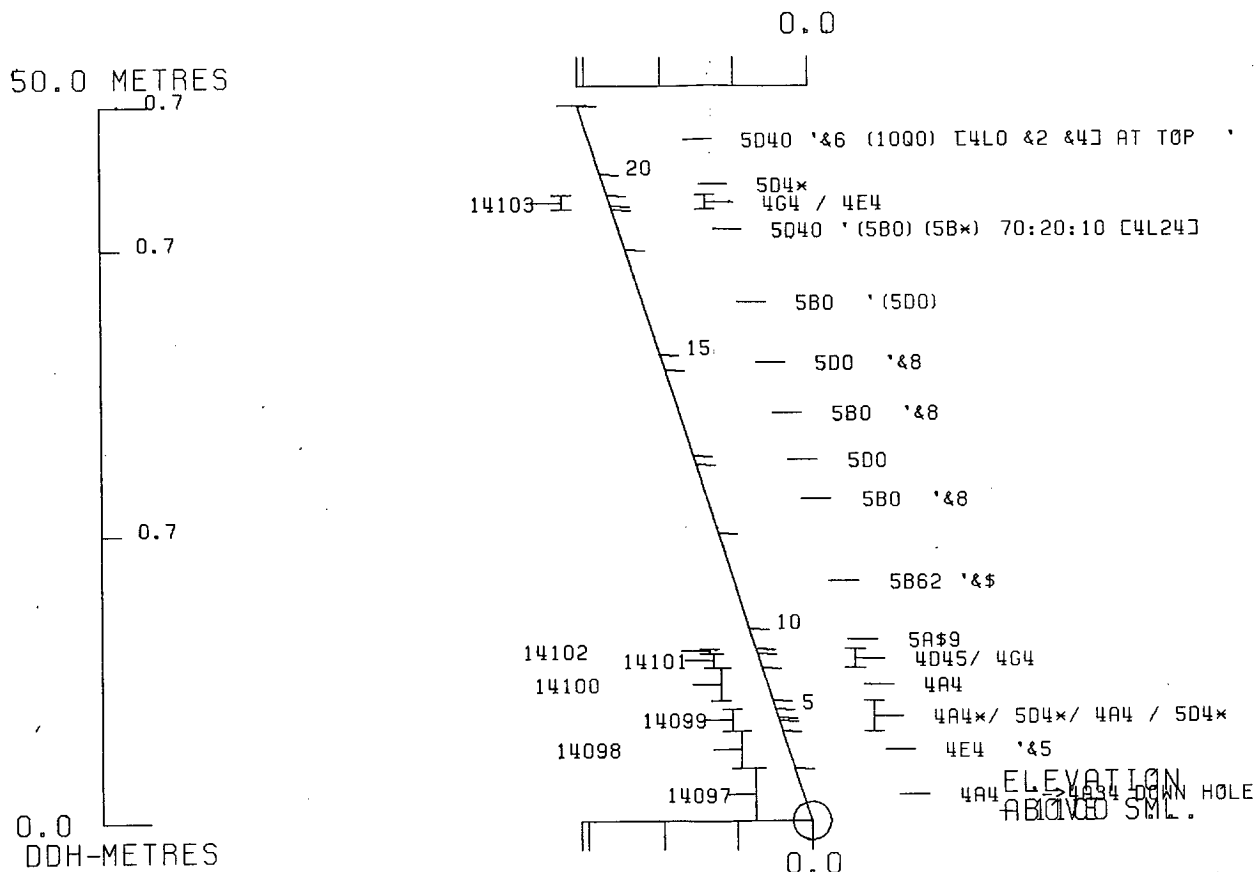
Started: _____ Completed: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1.0	3.7		1	4A4	0-2.5 no recovery. Grade ↓ hole to 4A34
L	3.7	6.3		2	4E4	±5 core loss between 46-61 minor inner bands of 4A4
L	6.3	7.0		3	4A4*	breccia. breccia not fault breccia
L	7.0	7.2		4	5D4*	"fuch"
L	7.2	7.8		5	4A4	
L	7.8	8.4		6	5D4*	"fuch"
L	8.4	10.7		7	4A4	microfractured
L	10.7	11.7		8	4D4S (4E4)	4E4 down hole.
L	11.7	12.0		9	4G4	
L	12.0	13.4		10	5A*9	dolo. 1 mt. core loss at top of interval - rx. sheaved & gouged
L	13.4	20.1		11	5B62	+* last 2 m. dolomitic w. minor calcareous intervals
L	20.1	24.9		12	5B0	±8 1st m. non-calcar. rest is very calcareous, minor 5D interbands
L	24.9	25.5		13	5D0	
L	25.5	31.5		14	5B0	±8
L	31.5	32.6		15	5D0	±8
L	32.6	39.9		16	5B0	(5D0) 5D minor, thin interbands
L	39.9	42.7		17	5D40	(5B0, 5B*) 70:20:10; [41.24]; 41.1 → 42.7 is 20% pyrite with less sphalerite and galena & minor chalcopyrite has S ₂ foliaform bands in 5D. est. grade as 6-7% combined
L	42.7	43.0		18	4G4	very baritic
L	43.0	43.7		19	4E4	porous
L	43.7	45.2		20	5D4*	contains up to 20% pyrite. S ₂ foliaform bands (when! stinks!) minor chalcopyrite, last 1/2 m. rich in pyrrhotite & sphalerite host D ₂ vein
L	45.2	50.0		21	5D40	±6 (00*) minor sphalerite, pyrite and galena assoc. w. 00* [440±2±4] @ top

U 188 #3
U 172 #3
U 174 #3

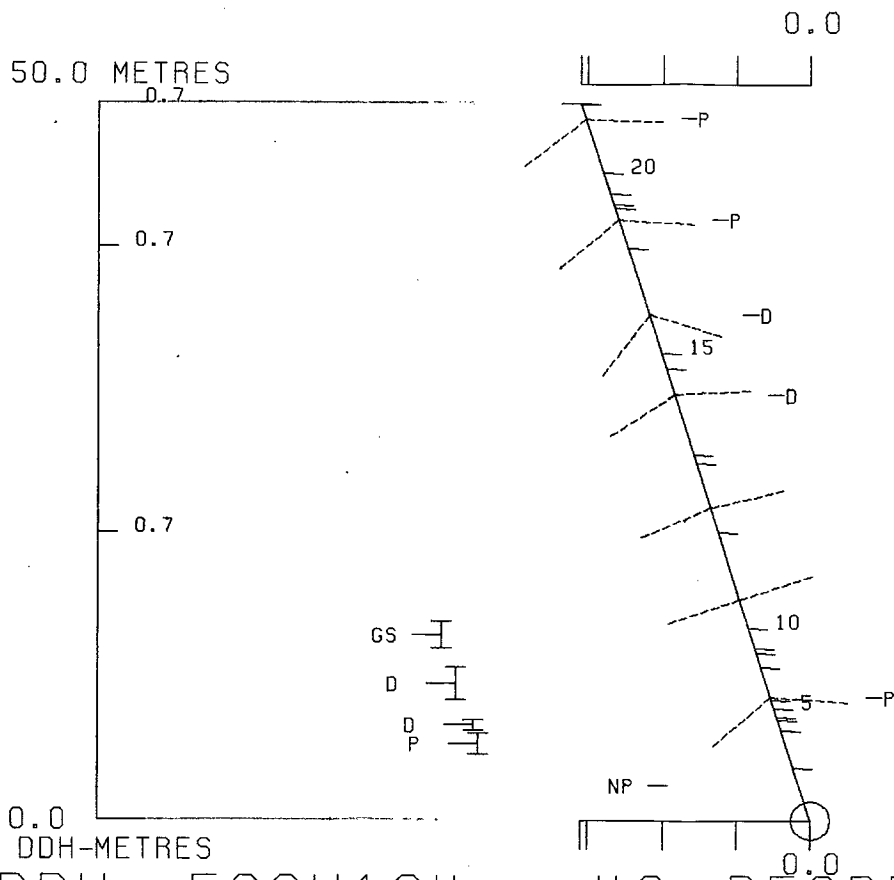
ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
		00		37	14097		37		12			4AH	
		37		63	14098		26		15			4EH	±5
		5					1					4EH	±5
		6		70			10					4EH	±5
		63		78	14099		15		15			4AH	(SD4*)
		84		107	14100		23		19			4AH	
		107		117	14101		10		10			4DHS	(4EH)
		117		120	14102		03		03			4G4	
		427		437	14103		10		10			4G4	(4EH)
		437		440			0						



DDH: FAGU164 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1099 592100E ; 905133N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 465.1 Z = 1099.3
 SECTION NAME: 82W



ELEVATION
ABOVE S.M.L.

DDH: FAGU164 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1099 592100E ; 905133N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 465.1 Z = 1099.3

SECTION NAME: 82W

FAGU 166

DRILL HOLE : FAGU166
NORTHING : 905,223.5
EASTING : 592,182.4
ELEVATION : 1,094.9
TOTAL DEPTH : 182.9
SECTION : W 82
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: 4
NOS DOWN-H-LITHOLOGY: 80
NOS DOWN-H-STRUCTURE: 29
NOS DOWN-H-FAULTS: 17
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

17OCT83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 2

DDH: FAGU166 UTM-N: 905,223.5 UTM-E: 592,182.4 UTM-ELEV: 1,094.9 TOTAL DEPTH: 182.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

-----DEPTHS-----						-----ASSAYS-----																
FROM	TO	SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
35.1	37.8	14056	2.7	2.4	4EAC	3.45	.05	3.62	6.20	69.00		.81	1	13	14							
37.8	40.2	14057	2.4	2.4	4AC	3.35	.04	2.25	2.22	36.00		.89		13	14							
47.1	49.1	14058	2.0	1.8	4C5	2.97	.05	.93	1.61	20.00		.75		4	5							
51.6	54.2	14059	2.6	2.6	4C0	2.93	.04	.92	1.85	19.00		.55	1	3	5							
113.5	115.3	14060	1.8	1.8	4AG	3.72	.08	2.71	4.75	55.00		.75	1	13	14							
115.3	117.3	14061	2.0	2.0	4E4	4.36	.17	2.98	4.13	59.99		.55	1	28	29							
117.3	119.3	14062	2.0	1.8	4E4	4.33	.20	2.56	3.45	55.99		.62	1	30	31							
119.3	120.2	14063	.9	.9	4E4	4.20	.16	2.95	4.75	71.00		1.03		25	25							
121.9	123.6	14064	1.7	1.5	4A0		.08	1.03	1.60	20.00												
130.3	132.3	14065	2.0	2.0	4C0		.05	.34	.59	9.00												
132.3	134.3	14066	2.0	2.0	4C0		.11	1.18	2.06	25.00												
134.3	136.1	14067	1.8	1.6	4C0		.05	.48	.83	12.00												
138.3	140.0	14068	1.7	1.7	4A30	3.29	.14	1.51	2.10	29.99		.95	1	15	16							
140.0	141.7	14069	1.7	1.7	4A34	3.52	.10	5.00	7.59	80.00		1.64	1	14	15							
141.7	143.5	14070	1.8	1.7	4A34	3.39	.23	3.43	4.32	55.00		1.03	1	13	15							
143.5	145.9	14071	2.4	2.4	4C3		.40	.56	.84	20.00												
145.9	148.3	14072	2.4	2.4	4C3		.41	.51	.58	22.00												
143.3	150.9	14073	2.6	1.4	4E0	4.67	.14	1.47	.88	34.00		.81	1	37	38							
150.9	151.5	14074	.6	.6	4A4	3.56	.11	3.89	5.20	60.99		1.51	2	15	18							

WEIGHTED AVERAGE

35.1	40.2		5.1	4.8		3.40	.04	2.97	4.32	53.47		.85	1	13	14							
47.1	49.1		2.0	1.8		2.97	.05	.93	1.61	20.00		.75		4	5							
51.6	54.2		2.6	2.6		2.93	.04	.92	1.85	19.00		.55	1	3	5							
113.5	120.2		6.7	6.5		4.15	.15	2.77	4.17	58.93		.68	1	24	25							
121.9	123.6		1.7	1.5			.08	1.03	1.60	20.00												
130.3	136.1		5.8	5.6			.07	.68	1.17	15.44												
138.3	151.5		13.2	11.9		2.42	.24	1.97	2.51	38.77		.70		13	14							

17OCT83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 3

DH: FAGU156 UTM-N: 905,223.5 UTM-E: 592,182.4 UTM-ELEV: 1,094.9 TOTAL DEPTH: 182.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
62.500	174.000	218.000
108.200	173.000	183.000
152.400	173.500	150.000

DDH: FAGU166 UTM-N: 905,223.5 UTM-E: 592,182.4 UTM-ELEV: 1,094.9 TOTAL DEPTH: 182.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.8	0001	#		0.5-	1
2.0	0002	4A0		0.5-	1
2.8	0003	405	83	0.5-	1
4.6	0004	5D4\$	(10Q\$) [4Q\$]	0.5-	1
5.6	0005	5D4*		0.5-	1
6.9	0006	5A19	->4A0 (5D4*) 90:10	0.5-	1
8.7	0007	5D4*	(3G0)	0.5-	1
15.2	0008	3G9	8\$ (5D4\$) 90:10	0.5-	1
17.9	0009	5D4*		0.5-	1
20.1	0010	5A*	30 (3G9*)	0.5-	1
32.0	0011	3G0	8\$ (10Q0)	0.5-	1
32.3	0012	4E4\$	(5D4\$) 70:30	0.5-	1
35.1	0013	3G0	8a (10Q0) 97:03	0.5-	1
35.4	0014	4E4*	81 (5D4*)	0.5-	1
36.4	0015	4A4	83	0.5-	1
37.8	0016	4C5	83	0.5-	1
40.2	0017	4A0	->4C5 8\$	0.5-	1
42.0	0018	3G0	8489(5D4*)(10Q08*) 95:05:MINOR	0.5-	1
42.7	0019	4L24		0.5-	1
45.0	0020	3G0	84 89 86	0.5-	1
45.3	0021	4C5	[3G16]	0.5-	1
46.5	0022	3G0		0.5-	1
46.8	0023	4C5	[3G16]	0.5-	1
47.1	0024	3G0		0.5-	1
49.1	0025	4C5	[3G16 STRINGER][4A0 PHYLLITIC]	0.5-	1
51.6	0026	3G0	8a (10Q0 8a) 97:03	0.5-	1
54.2	0027	4C0	(4C5) [3G16] [4A PHYLLITIC]	0.5-	1
62.6	0028	3G0	89 8\$ 8a (10Q0 8\$ 8a) 97:03	0.5-	1
66.6	0029	3G4	->4L0	0.5-	1
70.5	0030	383	BIOTITE(3B4*BIOTITE)(4L0)(3G4)	0.5-	1
84.6	0031	3G0	(10Q0 8*)	0.5-	1
85.6	0032	383	8* 84 (10Q*) 98:02	0.5-	1
88.1	0033	3G0	89	0.5-	1
88.5	0034	5D4*	(4L0)	0.5-	1
104.7	0035	3G0\$	(10Q0 8a 8\$)	0.5-	1
105.3	0036	4L0	82	0.5-	1
109.0	0037	3G0	89 8a (10Q0)	0.5-	1
109.3	0038	5D4*	(10Q*) 70:30	0.5-	1
111.5	0039	3G9	8* 81 (10Q0 8*) 80:20	0.5-	1
111.8	0040	5D4*		0.5-	1
112.8	0041	3G9	8* 81 (10Q*) 90:10	0.5-	1
113.1	0042	4L12		0.5-	1
113.5	0043	5A19	[3G916 PY](5D4*)(4C5) 30% 5D	0.5-	1
114.0	0044	4A0		0.5-	1
115.3	0045	4G4	(5D4*)	0.5-	1
115.7	0046	5C\$	(4E4 3XA) 70:30	0.5-	1
119.3	0047	4E4	86 (5C*)	0.5-	1
119.6	0048	5A19	->4A0	0.5-	1
120.2	0049	4E4	(4G4) AT BASE 70:30	0.5-	1
121.0	0050	5D4*	[5C4*] (10Q* PY) 95:05	0.5-	1
121.1	0051	4A0	37	0.5-	1

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 5

DDH: FAGU166 UTM-N: 905,223.5 UTM-E: 592,132.4 UTM-ELEV: 1,094.9 TOTAL DEPTH: 182.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
121.5	0052	3G0	(10Q0) (5D4* BXA)	0.5-	1
121.9	0053	5D4*	(10Q0* PY)	0.5-	1
123.6	0054	4A0	&1	0.5-	1
124.9	0055	5C4*	(10Q* CHLOR) 70:30	0.5-	1
125.2	0056	4D5	(4L0)	0.5-	1
128.5	0057	3G0	&9 (10Q0 &*) 95:05	0.5-	1
129.1	0058	5D4*	(4D0)	0.5-	1
129.5	0059	4L26	(10Q0) 80:20	0.5-	1
130.3	0060	5C*	(10Q*) 95:05	0.5-	1
136.1	0061	4C0	->4L12 &4 (5C4*)	0.5-	1
138.3	0062	3G1	&4 &6 (5D4*) AT BASE	0.5-	1
143.5	0063	4A34	1	0.5-	1
148.3	0064	4C3	(4C35->4A31)	0.5-	1
150.9	0065	4E0	&1 &5	0.5-	1
151.5	0066	4A4	(4C35) 50:50	0.5-	1
151.6	0067	5D4*		0.5-	1
160.0	0068	3G9	(10Q0 &*) 97:03	0.5-	1
161.5	0069	3G9	&a &4	0.5-	1
164.9	0070	4L0	(3G4)	0.5-	1
165.5	0071	3G9		0.5-	1
168.5	0072	4L0	(3G9)(3G4)(4HO VEIN)	0.5-	1
170.2	0073	4L74	(10Q0 P0) 90:10	0.5-	1
172.8	0074	3G0	&4 &3 &a	0.5-	1
173.7	0075	3G9	&a &3 (10Q0) 99:01	0.5-	1
179.0	0076	4L2		0.5-	1
179.2	0077	5C4a		0.5-	1
179.8	0078	4L71		0.5-	1
181.6	0079	5C#	(10Q0) 97:03	0.5-	1
182.9	0080	4L7		0.5-	1

DDH: FAGU166 UTM-N: 905,223.5 UTM-E: 592,182.4 UTM-ELEV: 1,094.9 TOTAL DEPTH: 182.9 SECTION: W 82
 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
FAGU166	0.0	5.1	CS2		0	0	0	0	85	230	0		1	1	1
FAGU166	0.0	12.2	CS2		0	0	0	0	70	230	0		1	1	1
FAGU166	0.0	21.9	CS2		0	0	0	0	70	230	0		1	1	1
FAGU166	0.0	25.9	CS2		0	0	0	0	80	230	0		1	1	1
FAGU166	0.0	31.5	CS2		0	0	0	0	85	230	0		1	1	1
FAGU166	0.0	38.1	CS2		0	0	0	0	80	230	0		1	1	1
FAGU166	0.0	43.3	CS2		0	0	0	0	85	230	0		1	1	1
FAGU166	0.0	56.0	CS2		0	0	0	0	85	230	0		1	1	1
FAGU166	0.0	59.9	CS2	D	0	0	0	0	80	230	0		1	1	1
FAGU166	0.0	65.6	CS2		0	0	0	0	70	230	0		1	1	1
FAGU166	0.0	74.0	CS2		0	0	0	0	85	230	0		1	1	1
FAGU166	0.0	78.3	CS2		0	0	0	0	90	230	0		1	1	1
FAGU166	0.0	83.9	CS2		0	0	0	0	72	230	0		1	1	1
FAGU166	0.0	91.7	CS2		0	0	0	0	80	230	0		1	1	1
FAGU166	0.0	94.9	CS2		0	0	0	0	90	230	0		1	1	1
FAGU166	0.0	99.4	CS2		0	0	0	0	90	230	0		1	1	1
FAGU166	0.0	106.5	PS2	P	0	0	0	0	70	230	0		1	1	1
FAGU166	0.0	112.2	PS2	P	0	0	0	0	85	230	0		1	1	1
FAGU166	0.0	116.1	PS1	P	0	0	0	0	70	230	0		1	1	1
FAGU166	0.0	119.3	PS1	P	0	0	0	0	50	230	0		1	1	1
FAGU166	0.0	123.2	PS2	P	0	0	0	0	70	230	0		1	1	1
FAGU166	0.0	130.5	PS2	P	0	0	0	0	75	230	0		1	1	1
FAGU166	0.0	138.7	CS2		0	0	0	0	70	230	0		1	1	1
FAGU166	0.0	143.0	PS2	P	0	0	0	0	65	230	0		1	1	1
FAGU166	0.0	151.3	CS2		0	0	0	0	73	230	0		1	1	1
FAGU166	0.0	157.5	CS2		0	0	0	0	75	230	0		1	1	1
FAGU166	0.0	164.4	CS2		0	0	0	0	72	230	0		1	1	1
FAGU166	0.0	171.7	CS2		0	0	0	0	80	230	0		1	1	1
FAGU166	0.0	177.7	CS2		0	0	0	0	77	230	0		1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 7

DDH: FAGU166 UTM-N: 905,223.5 UTM-E: 592,182.4 UTM-ELEV: 1,094.9 TOTAL DEPTH: 182.9 SECTION: W 82
 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
FAGU166	0.0	1.8	CP				0	0	0	1
FAGU166	8.7	15.2	B				0	0	0	1
FAGU166	0.0	34.6	1G				0	0	999	1
FAGU166	35.1	35.4	D				0	0	0	1
FAGU166	0.0	41.7	1G				0	0	99	1
FAGU166	42.7	45.0	2B				0	0	0	1
FAGU166	0.0	45.0	G				0	0	0	1
FAGU166	0.0	103.4	1F				0	0	35	1
FAGU166	0.0	111.4	1F				0	0	0	1
FAGU166	113.5	115.3	DX?				0	0	0	1
FAGU166	115.7	119.3	XG?				0	0	0	1
FAGU166	119.6	120.2	1XQ				0	0	0	1
FAGU166	121.1	121.5	SX				0	0	99	1
FAGU166	121.9	123.6	D				0	0	0	1
FAGU166	124.9	125.2	D				0	0	0	1
FAGU166	125.2	128.5	1S				0	0	0	1
FAGU166	138.3	143.5	D				0	0	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 8

DDH: FAGU166 UTM-N: 905,223.5 UTM-E: 592,182.4 UTM-ELEV: 1,094.9 TOTAL DEPTH: 182.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU166	1	2
FAGU166	2	2
FAGU166	3	2
FAGU166	4	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 166

Reference Fabric Orientation Diagram:

Project: GRM

Location: 82 W.

Claim: _____

UTM Terr. Plane Co-ords.: 905223.5 N

Transformation of K-A grid coordinates
Grid Co-ords: 592182.4 E

K-A elev -10.6/m
Elevation: 1094.9

All symmetry determinations looking

NW with 5₂ dipping

Total Depth: 182.9

SW with dip azimuth was 225 now 230

Purpose: _____

Reason hole Terminated: _____

Logged by: GAJ PSJ

Date(s) Logged: 10 AUG 82

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

Lithologic Log

Date: 10 Aug 82 Logged By: GAT/DST

Core	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		10		18						1	#	Subgrade? ground core 4035
L		18		20						2	4A0	
L		20		28						3	4D5	±3; intact
L		28		46							5D4*	9 fuchsite py (OQ* w/ py & ZnS) [4Q*]; py in 5D4* as 3mm euhedra w/ gtz press. shadows; * in veins = dol. py & ZnS in OQ* c.f. 4C0 but not stratiform
L		46		54						4	5D4*	intact, fuchsite bearing, lent layered poss. some SC
L		56		69						5	5A19	⇒ 4A0 (5D4*) 90:10; 9 = py SA non-calc.; intact
L		69		87						6	5D4*	fuchsite (390) nr. 8.1m.
L		87		152						7	3G9	±* dol. minor (5D4*) 90:10; 5D4* fuchsite w/ po after py cubes 3mm on edge, occurs as 2-8 cm layers 11S2 prob. tuff beds; core may be partly jumbled; core broken, no gouge / faults
L		152		179						8	5D4*	minor fuchsite; 2cm. SA EOI
L		179		201						9	5A*	±0 (3G9*); sst. interbedded w/ blk to dk. gy. pelite; intact
L		201		320						10	3G0	±* dol. minor; dol. in gtz sst. lithons & interlayers; (OQO); dk. m. gy; unit homog.; intact
L		320		323						11	4E4*	dol (5D4*) 70:30; could easily be stratiform
L		323		351						12	3G0	±* ank & dol in gtz sst. layers imparting mottled appearance; broken throughout minor 5/11 gouge 34.6 (2cm); (OQO) = 3%
L		351		354						13	4E4*	±1 (5D4*) microbrecciated (ductile); could be vein or strat. c.f. #11; 50 in middle as #11; could be same unit as #11
L		354		364						14	4A4	±3; intact
L		364		378						15	4C5	±3; trans. to 4A0; no gouge; intact
L		378		402						16	4A0	⇒ 4C5 ±* dol. w/ dol. in gtz sst. bands
L		402		420						17	3G0	±4 ±9 (OQO*) minor 95:5; 5D4* 10cm @ TOI intact; gouge; 41.7 3cm. 5/11 minor fault

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
NS	L 420	427		18	4L2C	4 = minor S ₂ foliarform ZnS-gtz-cal.; intact
	L 427	450		19	3G0	±4±9±6; stungered g-dol-zns; gtz sst. layers as well; m. blen. no signif. gouges; 9 from 42.8-45.0; T62 for 10.
NS	L 450	453		20	4C5	[3G16] 10 cm. under gouge @ 45.1; wallrk mineralization
NS	L 453	465		21	3G0	stungered g-dol-zns-py; intact
NS	L 465	468		22	4C5	[3G16] ZnS bearing wallrk.
NS	L 468	471		23	3G0	stungered g-dol-zns-py
S	L 471	491		24	4C5	[3G16 str.] stis = g-py-ank-zns; sil & mineral ^d wallrk; "4A Ophyll" in 1981
	L 491	516		25	3G0	* stungered; * = ank > dol.; stungers g-dol-ank-py; c.f. "speck ^d " in places; intact; 000±* = 2-3%
S	L 516	542		26	4C0	(4C5) [3G16] 6 = py-zns-PbS; m. gy → dk. m. gy; "4A phyll" 1981
	L 542	626		27	3G0	±9±* dol+ank; speckled & stungered; stgrs = g-ank(?)±py±zns±chlor.; (000±*) 2-3%; .5m 304 TOI w/ 00k; intact
	L 626	666		28	3G4	stungered ⇒ 4L0 locally; stgrs = g-ank±chlor±po±py; intact
	L 666	705		29	3B3	bio. (3B4* bio, 4L0, 3G4 stgr) 50% 3B 50% pelites; tuff marker unit pkg. in HCmm stgrs = g ² -ank-chlor-zns±po; (000±chlor) = 2% intact & monotonous
	L 705	846		30	3G0	stungered (000±*) ; stgrs = g-po-dol-chlor+bio-py; loc. chlor siliceous to stgrs "calc-silicaty"; intact
	L 846	856		31	3B3	±*±4 (00*) = 2%; intact
	L 856	881		32	3G0	±9 speckled; minor stgrs = g-dol-chlor-py " = ank > dol. in gtz. sst. bands
	L 881	885		33	5D4*	(4L0) fuchsite intact
	L 885	1047		34	3G*	speckled ± stgrs; speckles = ank > dol. in gtz sst bands; stgrs = g-dol-ank-py; intact; minor fault 103.4 35° to c.a. w/ S ₂ horiz. & 103.0 45° to c.a. (000±*)

Lithologic Log

Date: 10, Aug 82 Logged By: GAT/DST

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1047	1053		35	440	±2 after 3G strgr; intact
L	1053	1090		36	390	±9 ±* = ank; splkd & strgrd = g-chlor-py ± dol (OOO); intact
L	1090	1093		37	504*	(OO* w/ minor py); 70:30; intact
L	1093	1115		38	369	±* ±1 (OOO ±*); 80:20; intact; sm. fault 111.4 @ 45°
L	1115	1118		39	504*	intact
L	1118	1128		40	369	±* ±1 (OO*); 90:10; intact
L	1128	1131		41	4412	
L	1131	1135		42	5A19	[369/6 py] (504*)(4C5); 504* 15 cm EOT fuchsite; 70:30 pelite; natrobasite min. stronger in 5A than 5D why aren't tufts mineralized if this wallrk. which it appears to be?; intact
L	1135	1140		43	4A0	bria & micro bria; bria healed by dol. intact unit cf. 44 on top of URP on A-241
L	1140	1153		44	464	(504*) dol-gtz-cal healed bria @ TOI w/ con struct; 504* 114.7-115.0
L	1153	1157		45	5C*	dol. fuchsite (4E4 bria); 70:30
L	1157	1193		46	4E4	±6 local CO ₂ healed crackle bria (5C*) fuchsite; 5C* 117.3-1175; intact
L	1193	1196		47	5A19	⇒ 4A0
L	1196	1202		48	4E4	(4G4); 70:30 4G EOT; minor crackle bria
L	1202	1210		49	504*	fuchsite [5C4*] (OO* py) = 5%
L	1210	1211		50	4A0	±7
L	1211	1215		51	390	COO (504* bria); 3G strgrd; shrd but intact bria ≈ 115, due to flowage in sulcs??
L	1215	1219		52	504*	(OO* py) intact
L	1219	1236		53	4A4	±1 micro bria; ephal. w/ py & zns bands & all un ^{ing} layers of gtz-py & dk. gray gtzite
L	1236	1249		54	5C4*	(OO* chlor) fuchsite & mottled; 70:30
L	1249	1252		55	425	(40) micro bria & remobilized
L	1252	1285		56	390	±9 speckled (OOO ±*) 95:5; OO* crudely

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						S ₂ foliaform or disrupted around COO giving shnd appearance - P sst ^m
						stipe? ; intact ; strgs = g-chlor-ank-py
L	1285	1291		57	5D4*	(470) shnd c.f. #55 ; 470 S ₂ foliaform 128.7-128.8 could be deformed vein
L	1291	1295		58	4426	(COO) G = ZnS ; 80:20 ; intact
L	1295	1303		59	5C1*	(CO*) ; 95:5 ; intact
L	1303	1361		60	4C10	⇒ 4612±4 for 0.5M @ TOI & EOT (5C4*) ; 5C4* 132.2-132.4 & 135.2-135.4 135.9 = 1cm band ; 5C4* fracture mottled, unmineralized ; minor 4C* vein ; intact ; 4C0 off-white sulf. poor w/ m-mass sulf bands partially mineralized ; prot. stratiform but could be mineralized wallrk. ; also py & ZnS crack sulf bands ⇒ exhalative
L	1361	1383		61	3G11	±4±6 ; G = py + ZnS (5D4*) mini-tuffs in last 1m
L	1383	1435		62	4A34	1 good grade ; good exhalative features extensively microbrecciated in ZnS-rich portions ; ZnS & py rich bands
L	1435	1483		63	4C3	(4C35 ⇒ 4A31) c.f. #62 less carb ; py dom. sulfs ; not graph. enough for 4A ; exhalative
L	1483	1509		64	4E0	±1±5 v.v. minor
L	1509	1515		65	4A4	(4C35) ; 50:50 ; super grade TOI unmineral below to grade 4E ;
L	1515	1516		66	5D4*	
L	1516	1600		67	3G9	ssf bearing ; dk → dk m-gray folia w/ thin to lam. gty sst. beds forming good lith. struct c.f. #10 (COO*) = 3% intact
L	1600	1615		68	3G9	±*±4 speckled ; * = ank c.f. #67 but more speckled
L	1615	1649		69	440	from 3G0 strigred ; (3G4) ; strigs = gty-ank-ZnS
L	1649	1655		70	3G9	-po-chlor
L	1655	1685		71	440	after 3G speckled (3G9, 3G4, 4H0 vein)

NS

Lithologic Log

Date: 10 Aug 82 Logged By: GAT/DST

NS

Code	From				To				Recov.			No.			Unit			Description	
	1	10	14	16	20	22	24	26	28	30	34	35	1	2	3	1	2		3
																			440 1679-168.1
L		1685			1702								72			4274			(000 po) ; 90:10 ; 4 = ZnS ; intact
L		1702			1728								73			390			speckled ± 4 ± * dol. ; speckles are ank. in gty-ssf. laminae
L		1728			1787								74			399			± * ank > dol (000) = 1%
L		1787			1790								75			422			shrd 11 S ₂
L		1790			1792								76			524*			ank
L		1792			1798								77			4271			
L		1798			1816								78			52*			mottled ; * = calcite (000) = 3%
L		1816			1829								79			427			gtz-chlor-po stringers c.f. 3G strgr
																			All units intact, no faults in hole
																			E of H 182.9

Structural Log

Date: 10 Aug 82 Logged By: GAT/DST

Code	From				To				Feature	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28		Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				5	1	CS2							85	22	5	
S				12	2	CS2							70			
S				21	9	CS2							70			
S				25	9	CS2							80			⇒ PS2
S				31	5	CS2							85			" "
S				38	1	CS2							80			
S				43	3	CS2							85			⇒ PS2
S				56	0	CS2							85			
S				59	9	INDD							80			CS2
S				65	6	CS2							70			
S				74	0	CS2							85			⇒ PS2
S				78	3	IMDH							90			CS2 ⇒ PS2
S				83	9	CS2							72			⇒ PS2
S				91	7	CS2							80			" "
S				94	9	IMDH							90			PS2
S				99	4	IMDH							90			CS2 ⇒ PS2
S				106	5	INDP							70			CS _n @ 40°/180°
S				112	2	INDP							85			
S				116	1	RS1							70			or PS2
S				119	3	RS1							50			" "
S				123	2	INDP							70			
S				130	5	INDP							75			
S				138	7	CS2							70			⇒ PS2
S				143	0	INDP							65			or RS1
S				151	3	CS2							73			
S				157	5	CS2							75			
S				164	4	CS2							72			
S				171	7	CS2							80			⇒ PS2
S				177	7	CS2							77			" "

ASSAY LOG (SAMPLER'S COPY)

CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION
	10	14	16	20		22	26	28	30			
P	135	1	137	8	14056	12	7	12	4	4C5	(4A4, 4E4)	
P	137	8	140	2	14057	12	4	12	4	4A0	⇒ 4C5	
P	147	1	149	1	14058	12	0	11	8	4C5	[3916 str.]	
P	151	6	154	2	14059	12	6	12	6	4C0	(4C5)	
P	113	5	115	3	14060	11	8	11	8	4G4	(4A0)	
P	115	3	117	3	14061	12	0	12	0	4E4	(5C*)	
P	117	3	119	3	14062	12	0	11	8	4E4	(5C*)	
P	119	3	120	2	14063	10	9	10	9	4E4	(4G4, 5A19 ⇒ 4A0)	
P	121	9	123	6	14064	11	7	11	5	4A4	±1	
P	130	3	132	3	14065	12	0	12	0	4C0	⇒ 4L12±4 (5C4*)	
P	132	3	134	3	14066	12	0	12	0	4C0	" "	
P	134	3	136	1	14067	11	8	11	6	4C0	" "	
P	138	3	140	0	14068	11	7	11	7	4A341		
P	140	0	141	7	14069	11	7	11	7	4A341		
P	141	7	143	5	14070	11	8	11	7	4A341		
P	143	5	145	9	14071	12	4	12	4	4C3	(4C35 ⇒ 4A31)	
P	145	9	148	3	14072	12	4	12	4	4C3	"	
P	148	3	150	9	14073	12	6	11	4	4E0	±1±5	
P	150	9	151	5	14074	10	6	10	6	4A4	(4C35)	

LOGGED BY

D.D.H. No 76-U-166 PAGE 6

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
124.6	125.2	QUARTZ SULPHIDE (P).						Trace	PZ?							
125.2	128.5	QUARTZ SERICITE PHYLLITE (S).														
128.5	138.2	BLEACHED QUARTZ SERICITE-SULPHIDE (P-Ss).														
		Ragged bands of cherty quartz, bleached sericite,	5 1	2.6/2.6		128.5	131.1									
		and pyrite-sphalerite at 90°.	5 3	1.5/1.5	073B	131.1	132.6	1.5	0.58	0.55	9.94					
			8 5	1.5/1.5	074B	132.6	134.1	1.5	1.45	2.48	22.29			3.93	PbZn	
			5 3	1.5/1.5	075B	134.1	135.6	1.5	0.80	1.45	15.09			2.25	PbZn	
			2 1	2.6/2.6		135.6	138.2									
					W.Av.	132.6	135.6	3.0	3.09	PbZn						
138.2	148.3	QUARTZ SULPHIDE (P).														
		Ragged bands of massive Py-Sphalerite and coarse	20 8	2.0/2.0	076B	138.2	140.2	2.0	2.98	4.25	41.49			5.96	8.50	82.95
		granular quartz sericite-pyrite material.	20 8	1.5/1.5	077B	140.2	141.7	1.5	5.81	7.52	75.77			8.72	11.28	113.66
		Banding at 60°. Toward the end of section grades	20 10	1.6/1.6	078B	141.7	143.3	1.6	4.28	5.55	55.54			6.85	8.88	88.86
		into a breccia of large (5cm.) fragments of quartz-	40 10	1.5/1.5	079B	143.3	144.8	1.5	0.22	0.60	14.06			0.82	PbZn	
		sulphide in a sulphide groundmass.	50 10	1.5/1.5	080B	144.8	146.3	1.5	0.65	0.50	19.20			1.15	PbZn	
			60 8	2.0/2.0	081B	146.3	148.3	2.0	0.56	0.58	21.26			1.14	PbZn	
			80 6	1.4/1.4	082B	148.3	149.7	1.4	1.50	0.95	29.14			2.10	1.33	40.8
			50 10	0.8/0.8	083B	149.7	150.5	0.8	4.05	6.01	56.57			3.24	4.81	45.26

DDH: FAGU166 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1095 592182E ; 905224N

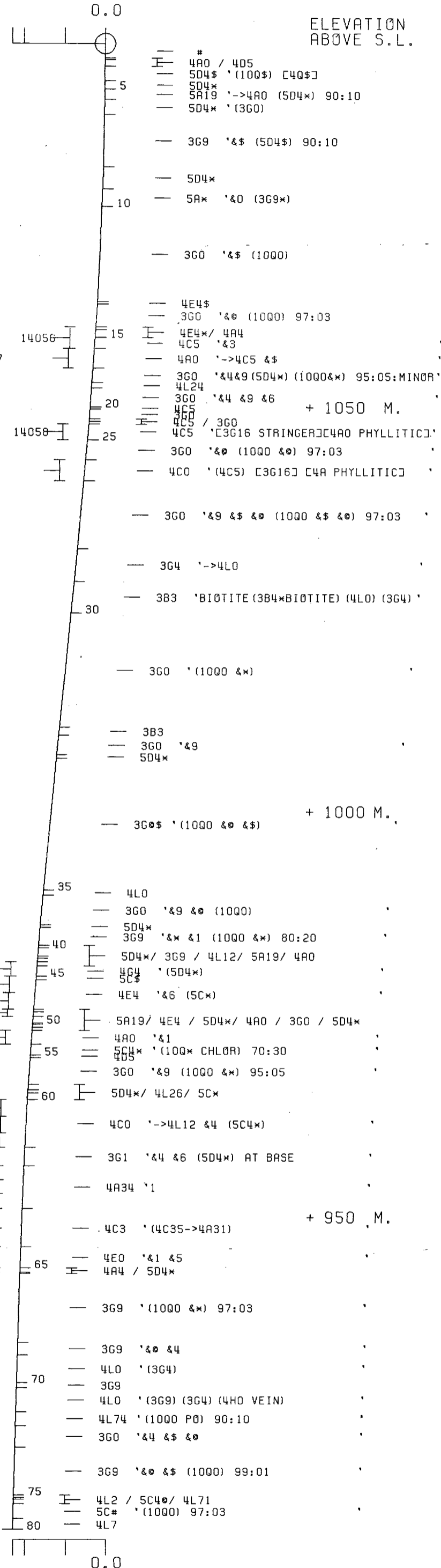
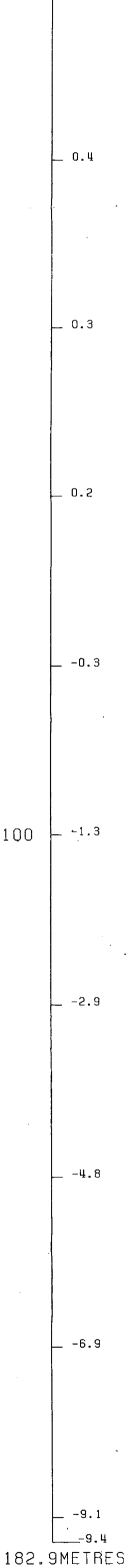
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 588.0 Z = 1095.0

SECTION NAME: 82W

DDH-METRES
0.0 0.5

ELEVATION
ABOVE S.L.



DDH: FAGU166 -- 42 DEGREE PROFILE

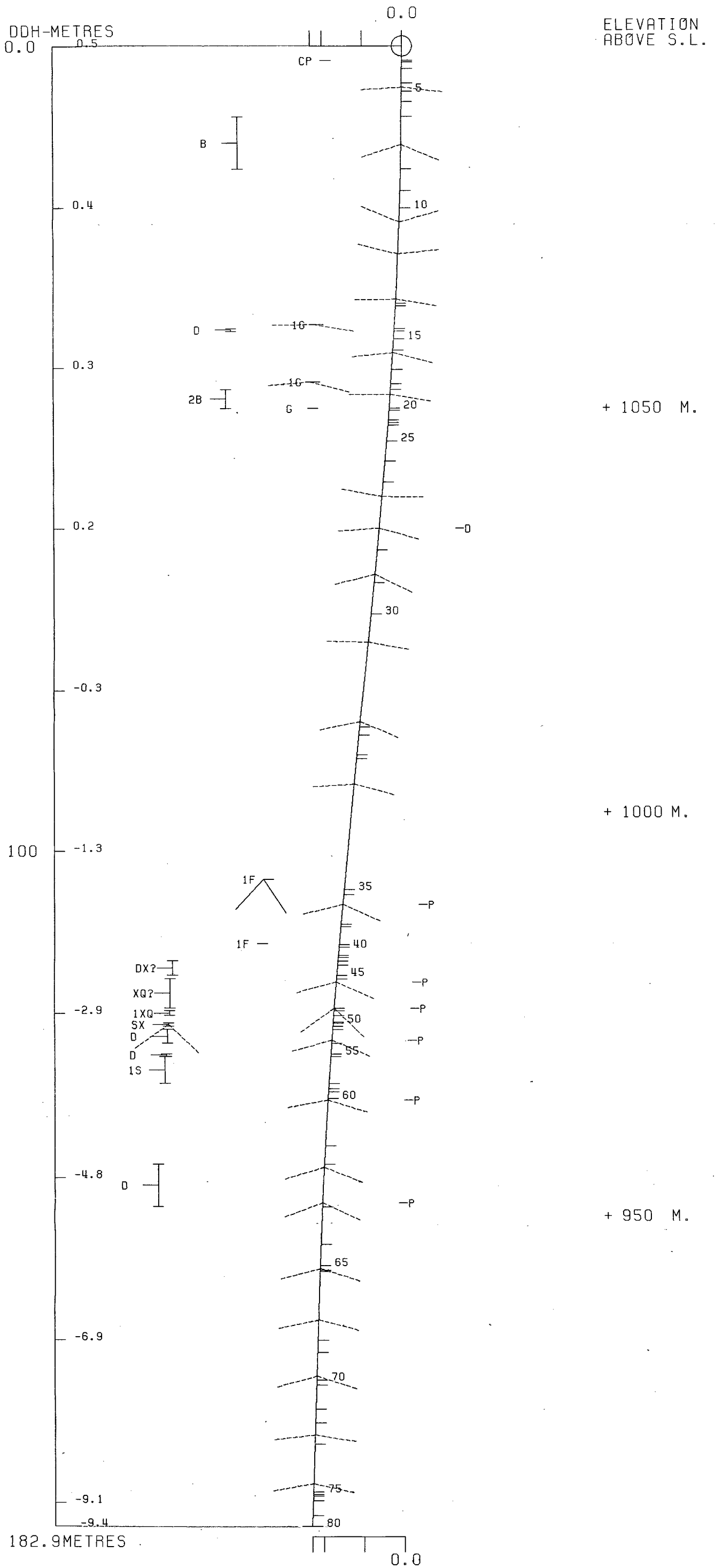
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1095 592182E ; 905224N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 588.0 Z = 1095.0

SECTION NAME: 82W



110,000 ~~500,000~~ 1,000,000
OK 1/18

EA94 168

DRILL HOLE : FAGU168
NORTHING : 905,221.3
EASTING : 592,182.3
ELEVATION : 1,094.9
TOTAL DEPTH : 166.5
SECTION : W 82
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 29
NOS DOWN-H-SURVEYS: 5
NOS DOWN-H-LITHOLOGY: 77
NOS DOWN-H-STRUCTURE: 24
NOS DOWN-H-FAULTS: 23
NOS DOWN-H-SPLINES: 5
NOS COMPOSITES: 0

DDH: FAGU168 UTM-N: 905,221.3 UTM-E: 592,182.3 UTM-ELEV: 1,094.9 TOTAL DEPTH: 166.5 SECTION: W 82
 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 %
.0	1.9	14001	1.9	.0 4A4	3.99	.13	5.79	16.09	138.00		1.64	1	17	18				
1.9	3.8	14002	1.9	.0 4A4	3.08	.10	2.83	8.80	53.00		.47		5	5				
3.8	5.7	14003	1.9	.0 4A4	3.20	.02	4.02	9.40	74.00		.47		7	8				
5.7	7.6	14004	1.9	.0 4A4	3.10	.02	2.99	8.30	54.00		.20		5	5				
30.9	32.0	14005	1.1	.0 4E43	4.01	.01	5.20	13.40	98.00		.47	1	18	20				
33.5	34.0	14006	.5	.0 4K4	3.93	.01	4.41	9.40	84.00		.47	1	19	21				
34.0	36.7	14007	2.7	.0 4A4	3.33	.02	3.74	6.79	71.00		.62		11	11				
36.7	38.1	14008	1.4	.0 4D3	3.62	.08	2.58	4.24	58.99		.75	5	16	21				
109.5	110.0	14009	.5	.0 4L14		.02	.34	.16	6.99									
110.0	110.8	14010	.8	.0 4A0		.08	.23	.17	6.99									
110.8	113.9	14011	3.1	.0 4A1		.07	.53	.34	13.99									
113.9	114.6	14012	.7	.0 5D4*		.02	.16	.27	6.00									
114.6	116.6	14013	2.0	.0 4A1		.11	.83	.97	20.00									
116.6	118.9	14014	2.3	.0 4E4	4.62	.17	4.42	7.99	90.00		1.23		24	24				
118.9	121.2	14015	2.3	.0 4G4	4.67	.05	5.20	9.59	92.00		.95		16	16				
121.2	123.4	14016	2.2	.0 4G4	4.65	.17	5.29	9.00	103.00		.95		18	19				
123.4	124.5	14017	1.1	.0 4E4	4.78	.26	4.02	6.50	103.00		1.30		30	31				
133.9	136.0	14018	2.1	.0 4EG	4.61	.32	2.47	2.45	46.00		1.51		36	37				
136.0	138.1	14019	2.1	.0 4EG	4.78	.26	2.39	3.56	61.99		1.85		35	36				
138.1	140.3	14020	2.2	.0 4G4	4.67	.14	4.02	8.33	85.00		1.58		24	24				
140.3	142.4	14021	2.1	.0 434	4.73	.14	4.67	9.00	84.00		2.33		17	17				
142.4	144.5	14022	2.1	.0 4G4	4.59	.14	5.70	9.00	94.00		1.85		23	23				
144.5	145.3	14023	.8	.0 4A34	3.35	.05	2.48	4.32	45.00		.81	1	13	14				
145.9	147.8	14024	1.9	.0 4A1		.05	.24	.67	11.00									
150.0	150.4	14025	.4	.0 4C0		.05	.11	.17	9.00									
150.4	152.5	14026	2.1	.0 4A0		.10	.83	1.40	22.00									
152.5	154.1	14027	1.6	.0 4E46	4.48	.28	3.25	5.70	56.99		1.03	1	28	30				
154.1	155.4	14028	1.3	.0 4D45	3.72	.20	3.93	8.59	81.00		2.06	2	18	21				
155.4	156.5	14029	1.1	.0 4D4	3.74	.17	4.79	6.59	81.00		2.12	2	18	20				

WEIGHTED AVERAGE

.0	7.6		7.6	.0	3.34	.06	3.91	10.64	79.75		.70		8	9				
30.9	32.0		1.1	.0	4.01	.01	5.20	13.40	98.00		.47	1	18	20				
33.5	38.1		4.6	.0	3.48	.03	3.45	6.30	68.76		.64	2	13	15				
109.5	124.5		15.0	.0	2.45	.11	2.80	4.72	57.01		.57		11	11				
133.9	145.3		11.4	.0	4.58	.19	3.75	6.33	72.24		1.75		26	27				
145.9	147.8		1.9	.0		.05	.24	.67	11.00									
150.0	156.5		6.5	.0	2.48	.17	2.67	4.70	51.59		1.02	1	13	15				

17OCT33 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 3

DDH: FAGU168 UTM-N: 905,221.3 UTM-E: 592,182.3 UTM-ELEV: 1,094.9 TOTAL DEPTH: 166.5 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	150.000	224.000
63.600	161.000	211.000
100.600	164.000	204.000
131.100	165.000	193.000
161.500	166.500	179.000

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 4

DDH: FAGU168 UTM-N: 905,221.3 UTM-E: 592,182.3 UTM-ELEV: 1,094.9 TOTAL DEPTH: 166.5 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
7.6	0001	4A4		0.5-	1
7.9	0002	5D4\$9		0.5-	1
8.8	0003	3G15	4 (10Q0)	0.5-	1
9.0	0004	5D4*		0.5-	1
14.3	0005	5A\$19	(10Q\$) 97:03 MARKER	0.5-	1
14.6	0006	5D4*		0.5-	1
16.2	0007	5A19	* (5D4*) MARKER	0.5-	1
16.6	0008	4L0		0.5-	1
17.1	0009	4D0	(5D4*)	0.5-	1
17.3	0010	5D4*		0.5-	1
17.6	0011	4D0	(5D4*)	0.5-	1
19.2	0012	5A19	\$ (5D4*) 95:05	0.5-	1
20.1	0013	4A0		0.5-	1
20.5	0014	4E0	(400*)	0.5-	1
23.0	0015	5D4\$		0.5-	1
23.7	0016	10Q\$6		0.5-	1
24.0	0017	5D4*		0.5-	1
24.5	0018	4L0		0.5-	1
24.7	0019	4E4		0.5-	1
24.8	0020	5D4*		0.5-	1
25.8	0021	4L6		0.5-	1
26.7	0022	5D4*	(4J)	0.5-	1
30.9	0023	3G4\$		0.5-	1
32.0	0024	4E4\$	(4K4) 95:05	0.5-	1
33.1	0025	5D4\$		0.5-	1
33.5	0026	5D4*		0.5-	1
34.0	0027	4K4		0.5-	1
36.7	0028	4A4	\$	0.5-	1
38.0	0029	4D3	\$	0.5-	1
38.1	0030	4K47		0.5-	1
38.5	0031	10Q\$		0.5-	1
38.8	0032	3G4\$		0.5-	1
39.0	0033	4H3		0.5-	1
46.0	0034	3G\$4	6	0.5-	1
47.5	0035	3G6	81 ->4C5	0.5-	1
48.2	0036	4C5*		0.5-	1
51.0	0037	3G0	\$ (10Q0 \$)	0.5-	1
51.8	0038	4L0	(5D4\$) 50:50	0.5-	1
54.6	0039	3G0	\$	0.5-	1
60.9	0040	3G0	\$ (330 \$ \$4) 70:30	0.5-	1
68.7	0041	3G0	(50*[33*]) 98:02 "CS"	0.5-	1
69.3	0042	3B3		0.5-	1
70.5	0043	3G9		0.5-	1
81.7	0044	3B3	(38*)(384*)(3G0)(3G9)8:6 80:20	0.5-	1
103.9	0045	3G0	(10Q0) 95:05	0.5-	1
104.8	0046	3B3		0.5-	1
106.2	0047	3G0	\$9 (10Q0) 95:05	0.5-	1
107.7	0048	3G4	(10Q0)	0.5-	1
108.0	0049	3B3	(334*) 70:30	0.5-	1
108.9	0050	3G4		0.5-	1
109.5	0051	3G0		0.5-	1

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 5

DDH: FAGU168 UTM-N: 905,221.3 UTM-E: 592,132.3 UTM-ELEV: 1,094.9 TOTAL DEPTH: 166.5 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: , 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
110.0	0052	4L14	79 [504*6]	0.5-	1
110.3	0053	4A0		0.5-	1
110.8	0054	3G46	->4L14 (504*)	0.5-	1
113.9	0055	4A1		0.5-	1
114.4	0056	504\$	(10Q0)	0.5-	1
114.6	0057	4L2	81 84	0.5-	1
116.6	0058	4A1	84	0.5-	1
118.9	0059	4E4	86 88 (4E0)	0.5-	1
123.4	0060	4G4		0.5-	1
124.5	0061	4E4	86 88	0.5-	1
133.9	0062	5A\$	MARKER	0.5-	1
138.1	0063	4E4	88 (4G4) 85:15	0.5-	1
144.5	0064	4G4	(4E46) 95:05	0.5-	1
145.3	0065	4A34	8 BXA	0.5-	1
145.9	0066	504*	(400)	0.5-	1
147.8	0067	4A1	83 BXA	0.5-	1
150.0	0068	5C4*		0.5-	1
150.4	0069	4C0	(504*) 95:05	0.5-	1
152.5	0070	4A0	83 81 84	0.5-	1
152.9	0071	4E46	8# POROUS	0.5-	1
154.1	0072	4E4	81 88 (504*) 98:02	0.5-	1
155.4	0073	4D45	3	0.5-	1
155.9	0074	4D0	83	0.5-	1
156.5	0075	4D45	3	0.5-	1
157.9	0076	3G9	(10Q*) 95:05	0.5-	1
166.7	0077	3G0	89 (10Q0) 95:05	0.5-	1

17OCT83 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 6

DDH: FAGU168 UTM-N: 905,221.3 UTM-E: 592,182.3 UTM-ELEV: 1,094.9 TOTAL DEPTH: 166.5 SECTION: W 82
 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
FAGU168	0.0	5.7	CS2		0	0	0	0	55	230	C		1	1	1
FAGU168	0.0	12.7	CS2		0	0	0	0	65	230	0		1	1	1
FAGU168	0.0	19.7	CS2		0	0	0	0	70	230	0		1	1	1
FAGU168	0.0	24.4	CS2		0	0	0	0	40	230	0		1	1	1
FAGU163	0.0	32.0	CS2		0	0	0	0	55	230	0		1	1	1
FAGU163	0.0	40.4	CS2		0	0	0	0	60	230	C		1	1	1
FAGU168	0.0	45.6	CS2		0	0	0	0	63	230	0		1	1	1
FAGU168	0.0	52.4	CS2		0	0	0	0	65	230	0		1	1	1
FAGU163	0.0	59.7	CS2		0	0	0	0	72	230	0		1	1	1
FAGU168	0.0	66.2	CS2		0	0	0	0	75	230	0		1	1	1
FAGU163	0.0	73.5	CS2		0	0	0	0	62	230	0		1	1	1
FAGU163	0.0	80.0	CS2		0	0	0	0	78	230	0		1	1	1
FAGU168	0.0	87.2	CS2		0	0	0	0	65	230	0		1	1	1
FAGU163	0.0	94.6	CS2		0	0	0	0	75	230	0		1	1	1
FAGU168	0.0	101.7	CS2		0	0	0	0	67	230	0		1	1	1
FAGU168	0.0	108.3	CS2		0	0	0	0	73	230	0		1	1	1
FAGU168	0.0	115.2	CS2		0	0	0	0	68	230	0		1	1	1
FAGU168	0.0	122.8	PS2	P	0	0	0	0	78	230	0		1	1	1
FAGU168	0.0	128.0	CS2	D	0	0	0	0	70	230	0		1	1	1
FAGU163	0.0	134.0	PS2	P	0	0	0	0	60	230	0		1	1	1
FAGU163	0.0	134.1	PS2	P	0	0	0	0	63	230	0		1	1	1
FAGU168	0.0	149.9	CS2		0	0	0	0	62	230	0		1	1	1
FAGU168	0.0	159.8	CS2		0	0	0	0	75	230	0		1	1	1
FAGU168	0.0	166.3	PS2	P	0	0	0	0	73	230	0		1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 7

JDH: FAGU168 UTM-N: 905,221.3 UTM-E: 592,182.3 UTM-ELEV: 1,074.9 TOTAL DEPTH: 156.5 SECTION: W 82
 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			
FAGU168	16.5	16.6	3G		0	0	99	999	0	0	1
FAGU168	16.6	17.1	XQ?		0	0	0	0	0	0	1
FAGU168	17.3	17.6	XQ?		0	0	0	0	0	0	1
FAGU168	20.1	20.5	DX?		0	0	0	0	0	0	1
FAGU168	24.5	24.7	D		0	0	0	0	0	0	1
FAGU168	34.0	36.7	1D?		0	0	0	0	0	0	1
FAGU168	36.7	38.0	3D?		0	0	0	0	0	0	1
FAGU168	38.0	38.1	D		0	0	0	0	0	0	1
FAGU168	38.1	38.5	XQ?		0	0	0	0	0	0	1
FAGU168	0.0	38.8	G		0	0	99	999	0	0	1
FAGU168	0.0	39.0	1F		0	0	0	0	0	0	1
FAGU168	0.0	46.6	1G		0	0	99	999	0	0	1
FAGU168	0.0	46.9	1G		0	0	99	999	0	0	1
FAGU168	0.0	57.6	1G		0	0	99	999	0	0	1
FAGU168	34.2	84.4	1G		0	0	99	999	0	0	1
FAGU168	99.1	99.6	GSX		0	0	99	999	40	0	1
FAGU168	135.7	136.0	1XQ		0	0	5	0	0	0	1
FAGU168	144.5	145.3	DXQ		0	0	0	0	0	0	1
FAGU168	145.3	145.9	R		0	0	0	0	0	0	1
FAGU168	145.9	147.8	DXQ		0	0	0	0	0	0	1
FAGU168	154.1	155.4	1D		0	0	0	0	0	0	1
FAGU168	160.6	160.9	G1F		99	999	0	0	45	270	1
FAGU168	164.2	164.6	G1F		99	999	99	999	99	999	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DM020)

PAGE: 8

DDH: FAGU168 UTM-N: 905,221.3 UTM-E: 592,182.3 UTM-ELEV: 1,094.9 TOTAL DEPTH: 166.5 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 JHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU168	1	2
FAGU168	2	2
FAGU168	3	2
FAGU168	4	2
FAGU168	5	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:42:24

82 W.

CYPRUS ANVIL MINING CORPORATION

Page 1 of 10

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 168

Reference Fabric Orientation Diagram:

Project: GRUM

Location: 82 W

Claim: _____

UTM ~~Terr. Plane~~ Co-ords.: 905221.3 N

transformations of K-A grid coordinates 592182.3 E

Grid Co-ords: _____

K-A elev - 10.61 m.

Elevation: 1094.9

All symmetry determinations looking

NW with S₂ dipping

Total Depth: 166.7 m

SW with dip azimuth 225. ^{was} now 230

Purpose: _____

Reason hole Terminated: _____

Logged by: DSJ/GAJ.

Date(s) Logged: 8 AUG 82

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		00		76						1	4A0	normal exhalative good gte S ² /graph gte banding attning Py sphal rich layers split but intact
L		79		79						12	SD4*	*=dol 9=py as 1-3mm ovoids/disssem through unit.
L		79		88						13	3G16	4 (000) 6=py as disssem in more siliceous bands no bur min. - unit not evenly silicif not banded = attal wallry, intact
L		88		90						14	SD4IX	intact
L		90		143						15	SA*1	9 dolo. (00*) ²⁻³⁶ dolo SA marker w gte py bands similar to 4A0 dist randomly through unit, dolomite section, intact
L		143		146						16	SD4IX	intact
L		146		162						17	SA19	*(SD4*) as unit S, intact SD4* = 159-160
L		162		166						18	4L01	unit incip S, 11 gte gte broken 165-166
L		166		171						19	4A0	(SD4*) bxa with calcite matrix sparsely clast support
L		171		173						10	SD4*	intact, boring, maybe clast or fragment in larger bxa zone
L		173		176						11	4D0	(SD4*) as above w calcite heald bxa grading toward EOI to more normal looking 4D0
L		176		192						12	SA19	* dol. (SD4*) est 2-3cm bands -uffs = "fuch" increasingly similar to 4A0* in last .5m, unit intact
L		192		201						13	4A0	normal exhalative, low S ² , pyritic essentially no ZnSPbS
L		201		205						14	4E0	(4D0*) Bxa with dolo heald - frags of 4E av. 5cm floating in buff dolo matrix - unit less bxtd 20.3-20.5 grading downward into dolo hosted 4D - not siliceous exhalative mineralization
L		205		230						15	SD4*	dolo. weakly mottled "fuch" intact
L		230		237						16	00*6	*=dolo 6= sphal < gel < py - probably a vein now crudely S ₂ foliaform - may relate to unit 14, intact
L		237		240						17	SD4*	intact

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	240	245		118	4L0	intact
L	245	247		119	4E4	micro bxtal 4D frags in 4E matrix ductile Flow bxa - sharp S ₂ foliaform contact with underlying unit - upper contact also S ₂ foliaform - but looks like a vein
L	247	248		20	5D4*	
L	248	258		21	4L6	intact
L	258	267		22	5D4*	(4J) 4J occurs as veins transp 11 S ₂ and Xcutting S ₂ - further suggesting 4E4 above = vein.
L	267	309		23	3G4*	ank w. ank occurring in thin siliceous (siltstone?) bands sporadically distrib. L. thru unit
L	309	320		24	4E4*	dolo. (4K4) 95:5 unit split but intact
L	320	331		25	5D4*	dolo. ^{there} 115 = 3cm "4D*" vein at 32.8
L	331	335		26	5D4*	331-33.3 = "4D*" vein lower contact of vein is S ₂ " upper 11D
L	335	340		27	4K4	intact
L	340	367		28	4A4	± dolo. randomly distrib. dolo - weakly bxtal in part, generally intact.
L	367	380		29	4D4B	± S ₂ partly bxtal but core very broken due to splitting - lower 1/2 of unit probably originally broken & bxtal
L	380	381		30	4K47	unit shows coarse CO ₂ = clasts (veins?) rotated in ductile flow bxa.
L	381	385		31	10D*	* re-crystallized dolo vein? It grey finely X in massive dolomite w coarse off white galena bearing dolomite patches contacts crudely S ₂ foliaform = pre D ₂ vein probably. (=4D*?)
L	385	388		32	3G4*	ank lower .5m is incip S ₂ 11 gauge.
L	388	390		33	4H3	vein fault bounded top and bottom. - has 2 3G4 clasts floating in it
L	390	460		34	3G*46	* = dolo fairly evenly distrib in siliceous laminae 11 S ₂ - good lithon struct = dolo bearing siltstones incip S ₂ 11 gauge at 46.6 3cm 46.9 inc

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						S = py po sphal in generally S ₂ foliarform siliceous bands, probable transposed stringers or veinlets textures now like gte sulfide bands seen in 4A but this unit 4A its mineralized wall rx.
L	460	475		35	36A ± 1	→ 4CS rock generally lt grey phyllite w. thin gte sulfide laminae II and X cutting S ₂ resembling 4A texture. - unit would be called 4A phyllitic in 1981 - definite wall rock affinity, not stratiform
L	475	482		36	4CS*	similar to above but more pervasively silicified and more mineralized low to S = sphal rich - S = in discrete bands but dissem within bands N/C uncertain is stratiform or mineralized wall rx.
L	482	510		37	36A	±* dolo (0P0) ±* dolo in fine S ₂ II siliceous laminae also in minor more coarse, xtn dolo gte bands possibly transp veins.
L	510	518		38	4LP	(5D4*) 50:50 could all be 5D4* but 50% of unit more dolo is 5D remainder more muse rich is 54L
L	518	546		39	36P	±* dolo. dolo occurs in gte dolo po stringers or laminations generally S ₂ II but sometimes forming lithon structure - this rock structurally like the ^{partially} referred to as "calc silicate" although majority of stringers do not have chl selvages here - origin of stringers uncertain, intact
L	546	609		40	360	±* dolo. (380 ±* ±4) 70:30 36 has stringery appearance sometimes with chlorite selvages. 38 varies from normal green to buff (tan) and calcitic (green) to dolomitic (tan) incip S ₂ II gouge at 57.6m 3cm thick otherwise unit intact
L	609	687		41	360	(SDX) [38*] 98.2 stringered with po gte and vlt w chlorite selvages and minor chl

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						clots (i.e. "calcified" texture)
L	687	693		42	3B3	green and calcitic (+ankerite?)
L	693	705		43	3G9	stringered - gte ank po chl stringers intact
L	70	817		44	3B3	(3B* 3B4* 3G0 3G9) 3B:3G=80:20 unit intact - jumble of those lithologies overall unit clearly meta-volc or tuffaceous
L	817	1039		45	3G0	"speckled variety" ^{(000) 5%} with v.f. grained lt colored earthy feldsp or ank grains (xtals) in lt siliceous laminae - may be psamopelitic siltstone sequence - good protolith for 7C - has brown cast due to biotite
L	1039	1048		46	3B3	1. 3B3 band at 91.1-91.2, ^{incip 5" 842-844 s} _{9000 at 99.1-99.6} good lithon struct, green, calcitic intact last 5 shown may be lower @ 40%
L	1048	1062		47	3G0	±9(000) 5% - unit has weak green grey cast due to chl but not chl enough for 3G8
L	1062	1077		48	3G4	"stringered" (000) intact
L	1077	1086		49	3B3	(3B4*) 70:30 unit boring & intact
L	1086	1089		50	3G4	intact
L	1089	1095		51	3G0	speckled and stringered - intact
L	1095	1100		52	4L14	79.4 = sphal only weak silica, no "fuch." but could be from [5D4*6]
L	1100	1103		53	4A0	low total S ² py mainly <1% comb. PbZn intact
L	1103	1108		54	3G4.6	→ 4L14 (5D4*) S ² = sphal + py - minor 2-3% total S ² - 5D4* are thin to ff(?) bands
L	1108	11139		55	4A1	very sil. used to dk grey, low total S ² much of which is py - well banded normal exhalative 4A intact 113.5 = final py in dissem lam band 11.5, - ones like 50%
L	11139	1144		56	5D4*	dots (000) "
L	1144	1146		57	4L2	±1±4 4=sphal "
L	1146	1166		58	4A1	±4 essentially dk grey to blk microxtln gte with gte sulf bands variably bnd.

sample

sample

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						bearing - good variable S ² content in bands
L	11166	11189		59	4E4	±6±* dolo. (4E0) intact, unbed.
L	11189	1234		60	4G4	50% interval highly baritic giving it grey to offwhite appearance - intact, no bxa
L	1234	1245		61	4E4	±6±* dolo. as unit 59
L	1245	1339		62	5A*	dolo. ^{non calc} black phyllite with light buff grey dolo siltstone bands + laminae 11 S, 5 in lithons giving strongly 1/4" thick "stripped/banded" look to core = "marker" 4H vein 131.2-131.3 Xcut S ₂ , unit intact minor massive dolo bands could be 5D4* thin buff but no "fishite" seen - black chert nodule at EOI [box selected here as example of unit]
L	1339	1381		63	4E4	±* dolo. (4G4) ^{85:15} massive, bearing, typical 4E, dolo. healed bxa zone S ² to CA 135.7-136.0 = insignificant fault bxa only recorded to use up paper and fatten drill log
L	1381	1445		64	4G4	(4E46) 95:5 unit generally highly baritic light grey to off white color.
L	1445	1453		65	4A34	± bxa bxa is matrix support sulf frag bxa healed by lt grey to offwhite dolo. reminiscent of units 14 & 19 etc.
L	1453	1459		66	5D4*	"fuch" (4D0) rubble and garbage.
L	1459	1478		67	4A1	±3 BXA dolo healed matrix support w av. clast size 1/2 - 1cm, minor banded intervals may be larger clasts, upper contact is IND, lower is seemingly against bxted 0Q* vein, at 40° to CA
L	1478	1500		68	5C4*	intact
L	1500	1504		69	4E0	(5D4*) 95:5 (looks like noncarbonate 4A)
L	1504	1525		70	4A0	±3±1±4 good normal exhalative 4A w strong carb gtzrke / S ² gtzrke - S ² layers

May Fault bxa but

Lithologic Log

Date: _____ Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	1525	1529		71	4E416	show strong compn variation, intact ±* calc., high grade, generally porous, intact
L	1529	1541		72	4E41	±1±* dolo. (504*) 98:2 unit intact
L	1541	1554		73	4D453	strongly banded in part with sphal and py rich layers, local ductite flow bxa layers where Bm rich layers >3cm thick - minor wisps of carbonaceous material in gte bands
L	1554	1559		74	4D41	±3 py dominant, approaches 4E1
L	1559	1565		75	4D453	as unit 73, intact
L	1565	1579		76	3G91	(00*) 2-5%
L	1579	1667		77	3G91	±9(000) 5% gauges at: 160.6 - 160.9 upper 11S ₂ , lower 4E/270 164.2 - 164.6 upper 11S ₂ , lower S ₂ 11, internal S ₂ 11 both minor faults only.
						hole is largely intact any recorded faults seem to be minor
						166.7 = EOH

Structural Log

Code	From				To				Feature	E Dip	S ₀		S ₁		S ₂		Description	
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.		
S				57					CS ₂					55	225			
S				127					CS ₂					65				
S				187					CS ₂					70				
S				244					CS ₂					40				→ PS ₂
S				320					CS ₂					55				→ PS ₂
S				404					CS ₂					60				
S				456					CS ₂					63				
S				524					CS ₂					65				
S				597					CS ₂					72				
S				662					CS ₂					75				
S				735					CS ₂					62				→ PS ₂
S				800					CS ₂					78				
S				872					CS ₂					65				
S				946					CS ₂					75				
S				1017					CS ₂					67				
S				1083					CS ₂					73				
S				1152					CS ₂					68				
S				1228					INDP					78				
S				1280					INDD					70				CS ₂
S				1341					INDP					63				
S				1340					INDP					60				could be RS ₁ in S ²
S				1499					CS ₂					62				→ PS ₂
S				1598					CS ₂					75				
S				1663					INDP					73				

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		00		19	140001		19		04			4A0	
P		19		38	140002		19		15			4A0	
P		38		57	140003		19		18			4A0	
P		57		76	140004		19		19			4A0	
P		309		320	140005		11		11			4E4*	dolo(4K4) 95:5
P		335		340	140006		05		05			4K4	
P		340		367	140007		27		27			4A4	±* dolo.
P		367		381	140008		14		14			4D43	±S (4K47)
P		695		1100	140009		05		04			4L1479	
P		1100		1108	140010		08		07			4A0	(3646→4L14)(504X)
P		1110		1139	140011		31		29			4A11	
P		1139		1146	140012		07		06			5D4*	(4L2±1±4)
P		1146		1166	140013		20		20			4A11	±4
P		1166		1189	140014		23		23			4E4	±6 ±* dolo (4E0)
P		1189		1212	140015		23		23			4G4	
P		1212		1234	140016		22		22			4G4	
P		1234		1245	140017		11		11			4E4	±6 ±* dolo.
P		1339		1360	140018		21		21			4E4	±* dolo (4G4) 85:15
P		1360		1381	140019		21		21			4E4	±* dolo (4G4) 85:15
P		1381		1403	140020		22		22			4G4	(4E46) 95:5
P		1403		1424	140021		21		21			4G4	(4E46) 95:5
P		1424		1445	140022		21		21			4G4	(4E46) 95:5
P		1445		1453	140023		08		08			4A34	
P		1459		1478	140024		19		19			4A11	±3
P		1500		1504	140025		04		04			4C0	(504X) 95:5
P		1504		1525	140026		21		21			4A0	±3 ±1 ±4
P		1525		1541	140027		16		16			4E46	±* cak (4E4 ±1 ±* dolo) (504X)
P		1541		1554	140028		13		13			4D453	
P		1554		1565	140029		11		11			4D0	±3 (40453)

Structural Log

Code	From				To				Feature	Sym	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
		165		166	BG							11	S ₂				
		166		171	Xp?												
		173		176	Xp?												
		201		205	Dxp?												
		245		247	D												
		340		367	1D?												
		367		380	BD?												
		380		381	D												
		381		385	Xp?												
				388	G							11	S ₂				
				390	1F												
				466	1B							11	S ₂				
				469	1B							11	S ₂				
				576	1B							11	S ₂				
		842		844	1B							11	S ₂				
		991		996	GSX							11	S ₂		40	000	
		1357		1360	Xp							05	0700				
		1445		1453	Dxp												
		1453		1459	R												
		1459		1478	Dxp												
		1541		1554	1D												
		1606		1609	G1F						11	S ₂			45	270	
		1642		1646	G1F						11	S ₂	11	S ₂		11	S ₂

LOGGED BY

D.D.H. N^o 76-U-168 PAGE 4

Interval		DESCRIPTION	Recovery	Sample N ^o	Interval		Sample Length	Assay					Assay ±				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
106.0	110.0	BLEACHED QUARTZ SERICITE (Sb). Scattered streaks of Pyrite. F = 70°. 2	4.0/4.0														
110.0	116.5	QUARTZ SULPHIDES WITH GRAPHITE (Pg). Tightly folded F quartz sulphide bands cut by 80° F 1 planes. Traces of graphite on F. 2 Pyrite = 10%; PbZn: Trace?	6.0/6.5														
				W.Av.	116.5	124.5	8.0	5.13	8.2	88.65				41.05	65.59	709.22	
					110.0	115.0		Trace? (or 2%) est.									
116.5	124.5	MASSIVE SULPHIDE (Mb). Fine grained structureless with about 10% quartz and perhaps up to 10% barite. Contacts sharp @ 90°/ Up to 30% interstitial gray barite.	20 5 70 15 70 15 70 15	1.5/1.5 1.5/1.5 1.5/1.5 1.5/1.5	B324 B325 B326 B327 B328	115.0 116.5 118.0 119.5 121.0	116.5 118.0 119.5 121.0 122.5	1.5 1.5 1.5 1.5 1.5	1.15 4.65 5.00 5.46 5.45	1.43 7.65 8.68 8.91 9.03	21.26 79.54 87.77 85.72 90.86						
			70 15	2.0/2.0	B329	122.5	124.5	2.0	5.10	7.16	96.69			10.2	14.32	193.38	
124.5	133.9	QUARTZ GRAPHITE PHYLLITE (G). Black and gray colour. F generally parallel to F except 1 in fold nose areas at 127.5, 130.9, 133.8. F = 80°. 2 Local irregular blebs of pyrrhotite.															
133.9	144.8	MASSIVE SULPHIDE (Mb). Blue grained. Occasional calcareous rich bands	95 5 90 8	1.7/1.7 1.6/1.6	B330 B331	133.9 135.6	135.6 137.2	1.7 1.6	3.28 2.13	2.70 1.30	53.49 33.26			55.76	4.59	90.93	
														3.408	2.08	53.21	

DDH: FAGU168 -- 42 DEGREE PROFILE

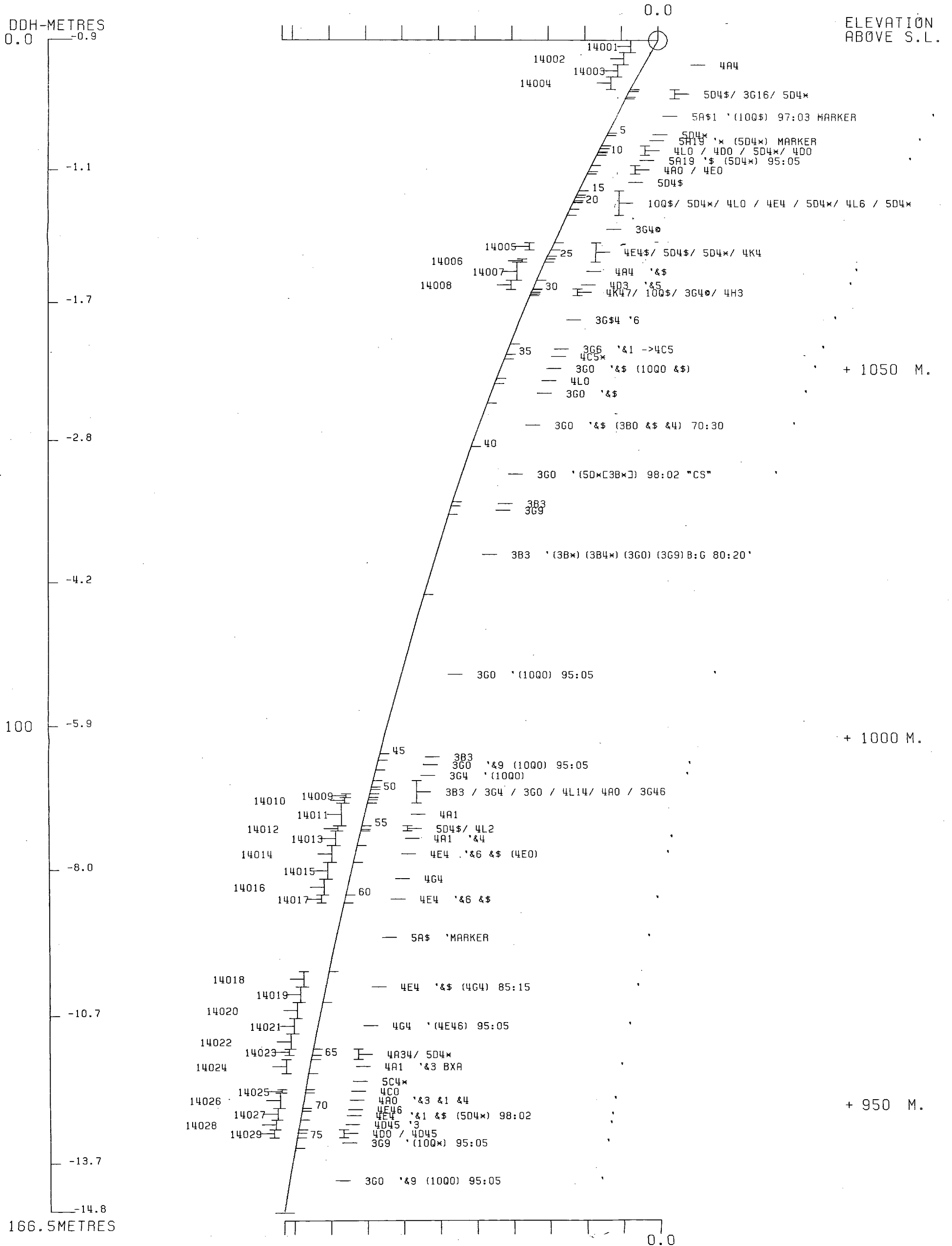
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1095 592182E ; 905221N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

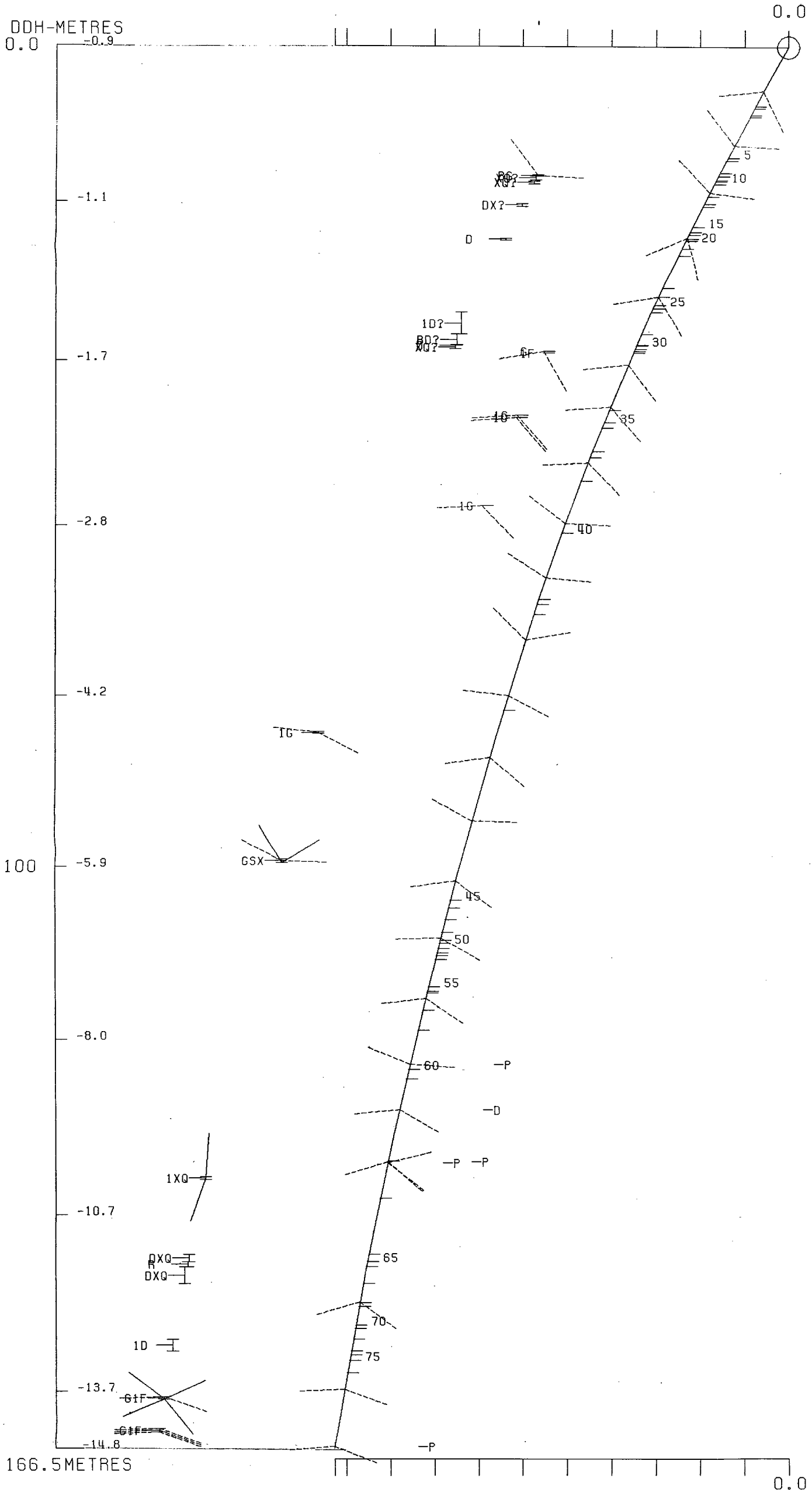
CORRECTED COLLAR POSITION: X = 586.3 Z = 1094.7

SECTION NAME: 82W



DDH: FAGU168 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1095 592182E ; 905221N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 586.3 Z = 1094.7
 SECTION NAME: 82W



ELEVATION
ABOVE S.L.

+ 1050 M.

+ 1000 M.

+ 950 M.

FA 4 172

DRILL HOLE : FAGU172
NORTHING : 905,220.7
EASTING : 592,181.9
ELEVATION : 1,095.2
TOTAL DEPTH : 121.9
SECTION : W 82
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: 44
NOS DOWN-H-SURVEYS: 3
NOS DOWN-H-LITHOLOGY: 27
NOS DOWN-H-STRUCTURE: 25
NOS DOWN-H-FAULTS: 19
NOS DOWN-H-SPLINES: 3
NOS COMPOSITES: 0

DDH: FAGU172 UTM-N: 905,220.7 UTM-E: 592,181.9 UTM-ELEV: 1,095.2 TOTAL DEPTH: 121.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	ASSAYS														
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
.0	2.4	12949	2.4	1.0	4A4	3.16	.01	3.47	6.50	68.00		.34	2	4	6						
2.4	4.9	12950	2.5	1.6	4E4	4.00	.04	6.79	16.39	154.00		.81	1	13	15						
4.9	6.0	12951	1.1	1.1	4A4	3.06	.01	2.72	4.46	66.00		.40		3	4						
6.0	6.6	12952	.6	.6	4E154	3.37	.01	3.64	12.50	73.00		.40	1	9	10						
14.3	16.2	12953	1.9	1.9	4A4	3.60	.04	7.09	13.99	142.00		1.16	2	8	10						
16.2	18.1	12954	1.9	1.9	4A4	3.39	.01	6.40	6.79	120.99		.55	1	7	8						
18.1	20.0	12955	1.9	1.9	4A4	3.22	.02	3.37	6.00	67.00		.40	2	5	7						
20.0	21.9	12956	1.9	1.7	4A4	3.24	.01	3.12	7.09	58.99		.27		7	8						
21.9	23.8	12957	1.9	1.9	4A4		.02	3.68	4.09	70.00											
23.8	25.7	12958	1.9	1.9	4A4	3.10	.04	1.71	8.69	35.00		.27		6	7						
25.7	27.6	12959	1.9	1.9	4A4	3.22	.01	3.35	5.59	60.99		.20	1	5	6						
27.6	29.5	12960	1.9	1.5	4A4	3.24	.01	2.22	4.05	43.00		.20		3	9						
29.5	31.4	12961	1.9	1.9	4A4	3.14	.01	1.80	9.09	30.99		.20	1	5	6						
31.4	33.2	12962	1.8	1.8	4A4	3.45	.01	4.24	7.90	78.00		.47	1	10	11						
35.5	37.3	12963	1.8	1.8	4A4	3.35	.01	3.43	8.40	69.00		.14	1	9	10						
37.3	39.0	12964	1.7	1.7	4A4	3.22	.02	2.83	6.99	56.99		.40	1	8	9						
39.0	40.5	12965	1.5	1.5	4A4	3.66	.07	2.75	5.00	57.99		.89	1	16	18						
40.9	41.4	12966	.5	.4	4E*		.05	.93	1.37	22.00											
49.4	51.3	12967	1.9	1.9	4A4	3.49	.05	5.09	6.99	81.00		.89	1	11	13						
51.3	53.2	12968	1.9	1.9	4A4	3.41	.05	6.79	10.09	105.00		.95	1	7	9						
53.2	55.1	12969	1.9	1.9	4A4	3.27	.02	4.05	8.80	71.00		.47	1	7	8						
55.1	57.0	12970	1.9	1.9	4A4	3.33	.02	2.73	6.50	53.00		.40	1	10	11						
57.0	58.9	12971	1.9	1.9	4A4	3.47	.02	4.83	8.59	87.00		.62	1	10	11						
58.9	60.8	12972	1.9	1.9	4A4	3.33	.02	2.02	3.74	39.00		.89		12	13						
60.8	62.7	12973	1.9	1.9	4A0	3.39	.05	.47	1.27	12.00		.89	1	15	16						
62.7	64.6	12974	1.9	1.9	4A0		.05	.68	1.82	15.99											
90.0	92.2	12975	2.2	2.0	4L14		.02	.29	.63	6.00											
92.2	94.5	12976	2.3	2.3	4L14		.10	.31	.44	7.99											
94.5	96.5	12977	2.0	2.0	4A4	3.37	.11	3.02	3.95	51.00		1.03	1	12	14						
96.5	98.5	12978	2.0	2.0	4A4	3.41	.10	2.89	3.70	44.00		.81		14	15						
98.5	100.5	12979	2.0	2.0	4A3	3.83	.11	1.90	2.10	40.00		.95		16	17						
100.5	102.5	12980	2.0	2.0	4A3		.16	.47	.66	23.00											
102.5	104.5	12981	2.0	2.0	4A4	3.52	.07	3.58	3.77	43.00		.95		8	8						
104.5	106.5	12982	2.0	2.0	4A0	3.72	.13	1.61	2.77	28.99		1.16		13	14						
106.5	108.5	12983	2.0	2.0	4A34	3.83	.14	2.75	2.93	49.00		1.58	1	14	16						
108.5	110.5	12984	2.0	2.0	4A0	3.81	.14	1.11	2.19	25.00		1.37	1	16	18						
110.5	112.5	12985	2.0	2.0	4A0	3.52	.08	.82	1.15	19.00		1.03		11	12						
112.5	114.0	12986	1.5	1.5	4A0	3.79	.11	2.66	.83	41.00		1.10	1	15	16						
114.0	115.7	12987	1.7	1.7	4A3		.20	.34	.62	22.00											
115.7	116.6	12988	.9	.9	4E4	5.17	.14	9.69	15.49	172.00		1.58	1	21	23						
116.6	117.3	12989	.7	.7	4E6	5.36	.26	3.52	6.70	107.00		1.30		27	27						
117.3	118.7	12990	1.4	1.4	4E4	4.62	.14	2.60	2.68	49.00		1.37		36	36						
118.7	120.1	12991	1.4	1.4	4E0	4.78	.17	2.24	2.16	52.00		1.30		39	39						
120.1	121.9	12992	1.8	1.8	4GE4	4.59	.17	4.16	8.69	74.00		1.43	2	25	27						

WEIGHTED AVERAGE

.0 6.6 6.6 4.3 3.48 .02 4.62 10.45 100.69 .53 1 8 10

17OCT83 GRUM

ORE SAMPLES & ASSAYS (DHO20)

PAGE: 11

DDH: FAGU172 UTM-N: 905,220.7 UTM-E: 592,181.9 UTM-ELEV: 1,095.2 TOTAL DEPTH: 121.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---				-----ASSAYS-----																
FROM	TO	SAMPLE NO.	INT. REC. UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TCT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
14.3	33.2	18.9	18.3	2.95	.01	3.74	7.33	70.66		.37	1	6	7							
35.5	40.5	5.0	5.0	3.40	.03	3.02	6.90	61.61		.45	1	11	12							
40.9	41.4	.5	.4		.05	.93	1.37	22.00												
49.4	64.6	15.2	15.2	2.96	.04	3.33	5.97	57.99		.64	1	9	10							
90.0	121.9	31.9	31.7	2.93	.12	2.12	2.89	40.15		.88		13	14							

17OCT83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 12

DDH: FAGU172 UTM-N: 905,220.7 UTM-E: 592,181.9 UTM-ELEV: 1,095.2 TOTAL DEPTH: 121.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	114.000	224.000
45.700	118.000	222.000
91.400	130.500	219.000

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 13

DDH: FAGU172 UTM-N: 905,220.7 UTM-E: 592,181.9 UTM-ELEV: 1,095.2 TOTAL DEPTH: 121.9 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
2.4	0001	4A4		0.5-	1
4.9	0002	4E4		0.5-	1
6.0	0003	4A4	(1000) 80:20	0.5-	1
6.6	0004	4E154		0.5-	1
14.3	0005	5A19	\$ ->4A0 (5D4*)	0.5-	1
33.2	0006	4A44	&* BXA (5D4*)	0.5-	1
35.5	0007	5D4*		0.5-	1
40.5	0008	4A4	&* (5D4*) MINOR	0.5-	1
40.9	0009	3G9		0.5-	1
41.4	0010	4E*		0.5-	1
49.4	0011	3G0		0.5-	1
54.6	0012	4A4	&& BXA (LAST 3.8M IS 4A0)	0.5-	1
69.5	0013	3G0	&9 (10Q*) 90:10	0.5-	1
73.2	0014	3G14	6	0.5-	1
75.2	0015	3G06		0.5-	1
76.1	0016	5D4*		0.5-	1
90.0	0017	3G0 &8	(3B3[500])(3B2[506][50*])90:10	0.5-	1
94.5	0018	4L14	(5D4*)	0.5-	1
115.7	0019	4A0	&4 &3	0.5-	1
116.6	0020	4E44		0.5-	1
116.9	0021	4G4		0.5-	1
117.3	0022	4E46		0.5-	1
120.1	0023	4E0	&4 &8 &6 &3	0.5-	1
120.4	0024	4G0		0.5-	1
120.9	0025	4E4		0.5-	1
121.3	0026	4G4		0.5-	1
121.9	0027	4E4		0.5-	1

17OCT83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 14

ODH: FAGU172 UTM-N: 905,220.7 UTM-E: 592,181.9 UTM-ELEV: 1,095.2 TOTAL DEPTH: 121.9 SECTION: W 82
 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
FAGU172	0.0	5.8	CS2		0	0	0	0	1	230	0		1	1	1
FAGU172	0.0	8.5	CS2		0	0	0	0	1	230	0		1	1	1
FAGU172	0.0	10.5	CS2		0	0	0	0	20	230	0		1	1	1
FAGU172	0.0	12.2	CS2		0	0	0	0	1	230	0		1	1	1
FAGU172	0.0	12.7	CS2		0	0	0	0	20	230	0		1	1	1
FAGU172	0.0	20.9	PS1	P	0	0	0	0	10	230	0		1	1	1
FAGU172	0.0	27.5	CS2		0	0	0	0	1	230	0		1	1	1
FAGU172	0.0	33.8	CS2		0	0	0	0	1	230	0		1	1	1
FAGU172	0.0	38.3	CS2		0	0	0	0	25	230	0		1	1	1
FAGU172	0.0	40.7	CS2		0	0	0	0	23	230	0		1	1	1
FAGU172	0.0	45.6	CS2		0	0	0	0	30	230	0		1	1	1
FAGU172	0.0	50.7	CS2		0	0	0	0	45	230	0		1	1	1
FAGU172	0.0	56.2	CS2		0	0	0	0	32	230	0		1	1	1
FAGU172	0.0	57.8	CS2		0	0	0	0	60	230	0		1	1	1
FAGU172	0.0	65.3	CS2		0	0	0	0	50	230	0		1	1	1
FAGU172	0.0	69.8	CS2		0	0	0	0	58	230	0		1	1	1
FAGU172	0.0	76.5	CS2		0	0	0	0	30	230	0		1	1	1
FAGU172	0.0	80.6	PS2	P	0	0	0	0	65	230	0		1	1	1
FAGU172	0.0	87.4	CS2		0	0	0	0	65	230	0		1	1	1
FAGU172	0.0	93.0	PS2	P	0	0	0	0	50	230	0		1	1	1
FAGU172	0.0	99.5	CS2		0	0	0	0	68	230	0		1	1	1
FAGU172	0.0	103.3	CS2		0	0	0	0	55	230	0		1	1	1
FAGU172	0.0	107.6	CS2		0	0	0	0	60	230	0		1	1	1
FAGU172	0.0	112.2	CS2		0	0	0	0	54	230	0		1	1	1
FAGU172	0.0	117.2	PS1	P	0	0	0	0	80	230	0		1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 15

DDH: FAGU172 UTM-N: 905,220.7 UTM-E: 592,181.9 UTM-ELEV: 1,095.2 TOTAL DEPTH: 121.9 SECTION: W 82
 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
FAGU172	0.0	2.4	RP				0	0	0	1
FAGU172	2.4	4.3	D				0	0	0	1
FAGU172	4.3	4.6	R				0	0	0	1
FAGU172	4.9	6.0	3B				0	0	0	1
FAGU172	6.0	6.6	1D				0	0	0	1
FAGU172	0.0	13.7	R				0	0	0	1
FAGU172	0.0	15.1	R				0	0	0	1
FAGU172	0.0	23.5	R				0	0	0	1
FAGU172	0.0	28.9	R				0	0	0	1
FAGU172	29.8	32.0	R				0	0	0	1
FAGU172	14.2	33.2	D				0	0	0	1
FAGU172	33.2	33.9	3B				0	0	0	1
FAGU172	0.0	36.4	R				0	0	0	1
FAGU172	37.0	37.6	R				0	0	0	1
FAGU172	35.5	40.5	D				0	0	0	1
FAGU172	0.0	47.6	1G				0	0	0	1
FAGU172	48.4	49.4	1G				0	0	0	1
FAGU172	0.0	67.0	R				0	0	0	1
FAGU172	73.2	75.2	S				0	0	0	1
							99	999	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 16

DDH: FAGU172 UTM-N: 905,220.7 UTM-E: 592,181.9 UTM-ELEV: 1,095.2 TOTAL DEPTH: 121.9 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU172	1	2
FAGU172	2	2
FAGU172	3	1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 172

Reference Fabric Orientation Diagram:

Project: GRUM

Location: 82 W

Claim: _____

uTM ~~Terr. Plane~~
transformations of
KA grid coordinates
Grid
Co-ords:

Co-ords.: 905220.7 N

592181.9 E

Co-ords: _____

K-A elev. - 10.61m

Elevation: 1095.2

All symmetry determinations looking

NW with S₂ dipping

Total Depth: 121.9 m

SW with dip azimuth was 225 now 230

Purpose: _____

Reason hole Terminated: _____

Logged by: GAJ

Date(s) Logged: Aug 82

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

Lithologic Log

Date: _____ Logged By: GAJ

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		00		24						1	4A4	? rubble only left in boxes = subgrade fill. ?
L		24		49						2	4EH	ductile flow bxa. (dib gts floaters) 4.3-4.6 = chips only
L		49		60						3	4AH	(090) 80:20 v. broken (now)
L		60		66						4	4E1S	partly ductile bxa.
L		66	143							5	SA11.9*	→ 4A0 (SD4*) hole running almost 11 to S ₂ and lith layering which accentuates 2 problems ① the friable nature of SA causes it to fall apart and ② it accentuates the problems of small borderline units thus some might call this 4A0 but most S ₂ are py and in sparse gtz ase bands. 12.6-12.9 5B4* band cuts across core. (2 cm thick) 13.1-13.5 sphal rich gtz bearing band cuts across core 2.5 cm thick (this is most of the grade in the hole except for some rubble in 1st 1m. of interval. 11-12.5 is particularly dolomitic
L		143	332							6	4A4.9*	Bxa (SD4*) unit is a very sphal rich sequence much affected by ductile flow bxa giving small chunks of ^{rotated floating} S ₂ ^{rotated} quartzose 4A in a heavily disseminated v. sphal rich discontinuous matrix SD4* bands at: 14.6-14.8 18.0-18.4, 18.7-18.9, 29.1-29.4 30.6-30.9
												rubble near 15.1 23.5 28.9 29.8-32.0 but unit mainly intact despite being split
L		332	355							7	SD4*	First 7 m is v. broken.
L		355	405							8	4A4.1*	(SD4*) similar to unit 6 but less Bxa

rubble
near
13.7

Lithologic Log

Date: _____ Logged By: _____

Code	From		To		Recov.		No.	Unit	Description	
	10	14	16	20	22	24				26
									rubbly 37.0-37.6 near 36.4 but	
									fairly intact considering its split	
L	40.5		40.9				9	369	intact.	
L	40.9		41.4				10	4E*	?ank or dolo could be deformed vein material	
L	41.4		49.4				11	360	good med grey non calc phy with 66 white qtz siltstone lithans comprising about 5% of act.	
									inc-p gouge near 47.6 and minor inc-p gouge with small opo in last 1m but mainly intact. 2cm SD4* band at end. 1st m has carbonaceous bands.	
L	49.4		64.6				12	4A4* ^{dolo.}	Bxa. similar to unit 6 but has only 1 thin SD4* band 1/2 m from top. intact.	
L	64.6		69.5				13	360	= 9 v. minor with dolo? mottled (or feldsp?) siltstone beds. (op*) 10% ↑ speckled	
L	69.5		73.2				14	36146	rubbly near 67.0 but mainly intact looks like a 3G phyllite silicified and replaced (by med.??) by sphal. & py & po intact (but split)	
L	73.2		75.2				15	36016	med grey phyllite with minor sphal. intact but looks sheared 11 S	
L	75.2		76.1				16	SD4*	with minor 360 interlayered at FOT	
L	76.1		90.0				17	360	58 (3B3[500], 3B2[506][SD*]) 90% 3G 10% 3B3 slightly greenish grey non calc phy with interlayered variably calcareous chertic presumed meta igneous (tuffs??) rocks have less of a green tinge in lower 1/2 of unit	
									82.6-82.9 = 3B2 biotitic	
									below 84m contains a few% diss to d.55 v. banded po. esp 863-869 where there is ~20% po and rx are slightly bleached.	
									a few carbonaceous bands in last 3m	

Lithologic Log

Date: _____ Logged By: _____

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	91.0	0		91.45					118	4L14	(SD4*) bleached offwhite to beige massive po rock with diffusely banded py, sphal, cop, po amounting to 25-10% of rock. - intact main SD4* bands at 90.5-90.7 91.1-91.4 and 92.2-92.7 ← with "fish" ±4±3 good 4A with massive 5" bands particularly pyritic 98-102 near 108 and 114 bands entirely intact	
L	91.45			11.57					119	4AP		
L	11.57			11.66					120	4EH4	intact	
L	11.66			11.69					121	4G4	"	
L	11.69			11.73					122	4EH6	"	
L	11.73			12.01					123	4EP	±4±8±6 ±* dolo	
L	12.01			12.04					124	4G0	very baritic	
L	12.04			12.09					125	4EH	"	
L	12.09			12.13					126	4G4	very baritic	
L	12.13			12.19					127	4F4	"	

DDH FAG.4.172
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: 14 Aug 82 Logged By: GAT/JST

Code	From				To				Feature	S ₀ Dip Direct.	S ₁ Dip Direct.	S ₂		Description
	10	14	16	20	22	24	26	28				32	34	
S		58						CS ₂					0225	
S		85						CS ₂					10	
S		105						CS ₂					20	
S		112						CS ₂					0	to 100
S		112						CS ₂					20	or 11 RS, in 504*
S		120						INDR					10	RS1
S		127						CS ₂					0	? could be RS, in ductile flow
S		133						CS ₂					10	" " " "
S		138						CS ₂					25	" " " "
S		140						CS ₂					28	
S		145						CS ₂					30	
S		150						CS ₂					45	
S		156						CS ₂					32	? may be S ₁
S		157						CS ₂					40	⇒ RS ₂
S		165						CS ₂					50	
S		169						CS ₂					58	
S		176						CS ₂					30	⇒ RS ₂
S		180						INDP					65	
S		187						CS ₂					65	⇒ RS ₂
S		193						INDP					50	
S		199						CS ₂					68	
S		103						CS ₂					55	
S		110						CS ₂					610	
S		111						CS ₂					54	
S		117						INDR					80	RS1

ASSAY LOG (SAMPLER'S COPY)

Date _____

Sampled by CA

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
P		00		24	12949		24		20			4A4	
P		24		49	12950		25		26			4E4	
P		49		60	12951		11		11			4A4	(opo)
P		60		66	12952		06		06			4E15	Bxa.
P		143		162	12953		19		19			4A4	(SD4*)
P		162		181	12954		19		19			4A4	(SD4*)
P		181		200	12955		19		19			4A4	(SD4*)
P		200		219	12956		19		17			4A4	
P		219		238	12957		19		19			4A4	
P		238		257	12958		19		19			4A4	
P		257		276	12959		19		29			4A4	
P		276		295	12960		19		15			4A4	(SD4*)
P		295		314	12961		19		19			4A4	(SD4*)
P		314		332	12962		18		18			4A4	
P		355		373	12963		18		18			4A4	(SD4*)
P		373		390	12964		17		17			4A4	"
P		390		405	12965		15		15			4A4	"
P		409		414	12966		05		04			4E*	ankordob.
P		494		513	12967		19		19			4A4	Bxa (SD4*)
P		513		532	12968		19		19			4A4	" no SD4*
P		532		551	12969		19		19			4A4	" "
P		551		570	12970		19		19			4A4	" "
P		570		589	12971		19		19			4A4	" "
P		589		608	12972		19		19			4A4	" "
P		608		627	12973		19		19			4A4	" "
P		627		646	12974		19		19			4A4	" "
P		910		922	12975		22		20			4L14	(SD4*)
P		922		945	12976		23		23			4L14	(SD4*)
P		945		985	12977		20		20			4A0	±3±4
P		965		985	12978		20		20			4A0	±3±4
P		985		1100	12979		20		20			4A3	±4

Interval From	To	DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x					
					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
14.0	40.6	Quartz Sulphide (P) Grey phyllite interbanded with quartz-sulphide in ragged bands 0-30°. No well defined F ₂ visible. Sulphide mineralization is remarkably high in sphal. and low in pyrite.																
			1.2/1.2	B348	14.0	15.2	1.2	6.89	12.60	122.06						8.27	15.12	146.44
			1.6/1.6	B349	15.2	16.8	1.6	7.47	13.10	146.06						11.95	20.96	233.70
			1.5/1.5	B350	16.8	18.3	1.5	5.49	9.90	93.94						8.24	14.85	140.91
			1.5/1.5	B351	18.3	19.8	1.5	4.35	6.70	67.54						6.53	10.05	101.31
			1.5/1.5	B352	19.8	21.3	1.5	2.80	3.85	45.26						4.20	5.78	67.89
			1.5/1.6	B353	21.3	22.9	1.6	3.55	7.43	65.49						5.68	11.89	104.78
		18.1-18.4 Bleached Sericite at 60°	1.5/1.5	B354	22.9	24.4	1.5	3.18	6.38	54.52						4.77	9.57	81.78
		18.7-18.9 " " "	1.5/1.5	B355	24.4	25.9	1.5	1.30	3.10	22.29						1.95	4.65	33.44
		33.3-35.3 " " 30°	1.5/1.5	B356	25.9	27.4	1.5	3.78	8.27	60.34						5.67	12.41	90.51
		36.0-40.6 F ₂ at 30°	1.5/1.6	B366	27.4	29.0	1.6	3.60	8.09	54.51						5.76	12.94	87.22
			1.5/1.5	B367	29.0	30.5	1.5	1.28	2.70	19.20	✓					1.92	4.05	28.80
			1.5/1.5	B368	30.5	32.0	1.5	4.50	8.25	63.43						6.75	12.38	95.15
40.6	40.9	Quartz Sericite Phyllite	1.5/1.5	B369	32.0	33.5	1.5	5.21	9.00	82.63						7.82	13.5	123.95
			1.6/1.6	B370	33.5	35.1	1.6	0.53	0.15	8.23	✓					0.85	0.24	13.17
			1.5/1.5	B371	35.1	36.6	1.5	2.80	5.35	43.54						4.20	8.03	65.31
			1.5/1.5	B372	36.6	38.1	1.5	3.30	8.05	60.34						4.95	12.08	90.51
			1.5/1.5	B373	38.1	39.6	1.5	3.15	7.85	64.46						5.63	11.78	96.69
			1.0/1.0	B374	39.6	40.6	1.0	2.30	4.25	46.29	✓					2.30	4.25	46.29
40.9	41.3	Massive Sulphide M Contacts at 30°	0.4/0.4	B375	40.9	41.3	0.4	1.50	2.03	30.17	✓							

DDH: FAGU172 -- 42 DEGREE PROFILE

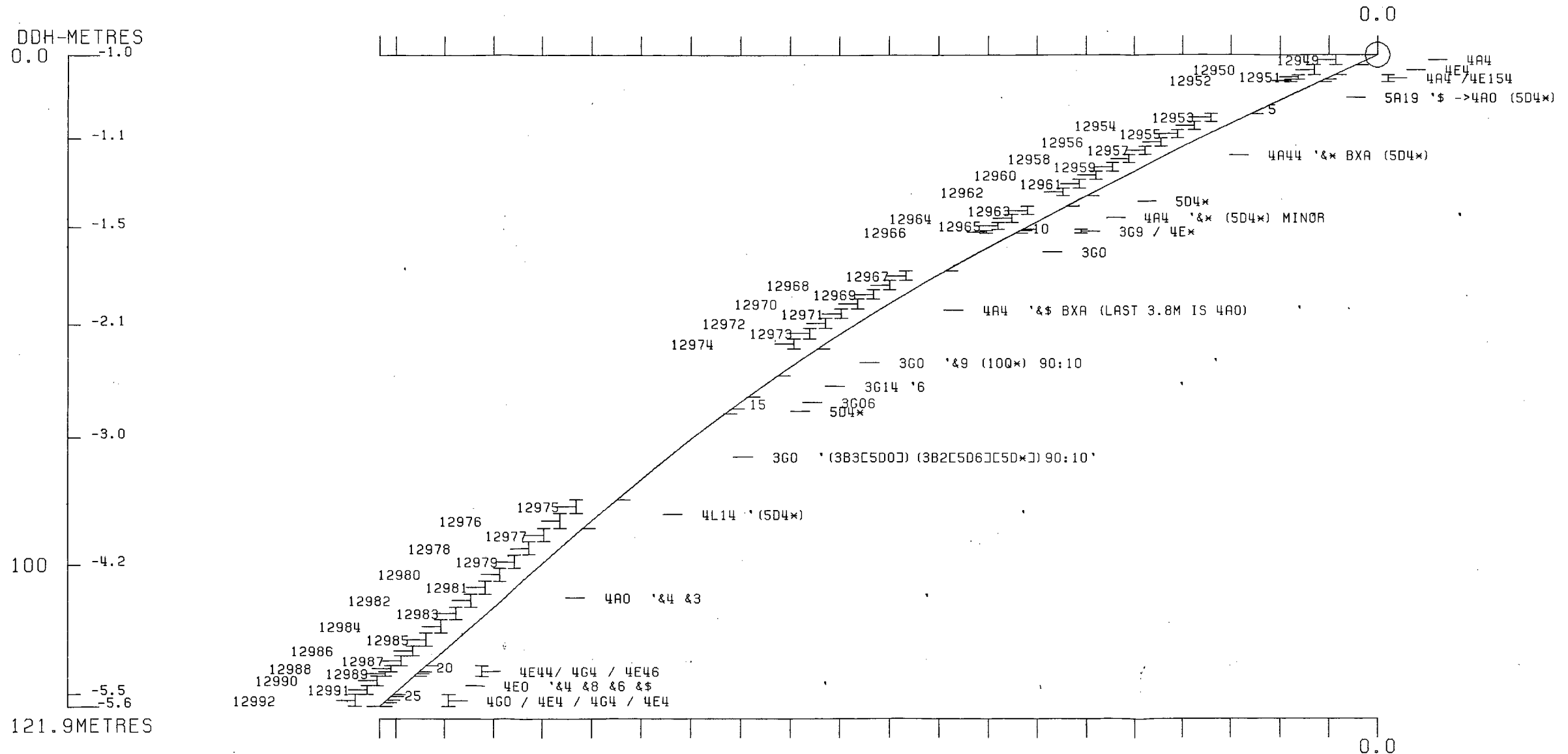
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1095 592182E ; 905221N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 585.6 Z = 1095.0

SECTION NAME: 82W



ELEVATION ABOVE S.L.

+ 1050 M.

DDH: FAGU172 -- 42 DEGREE PROFILE

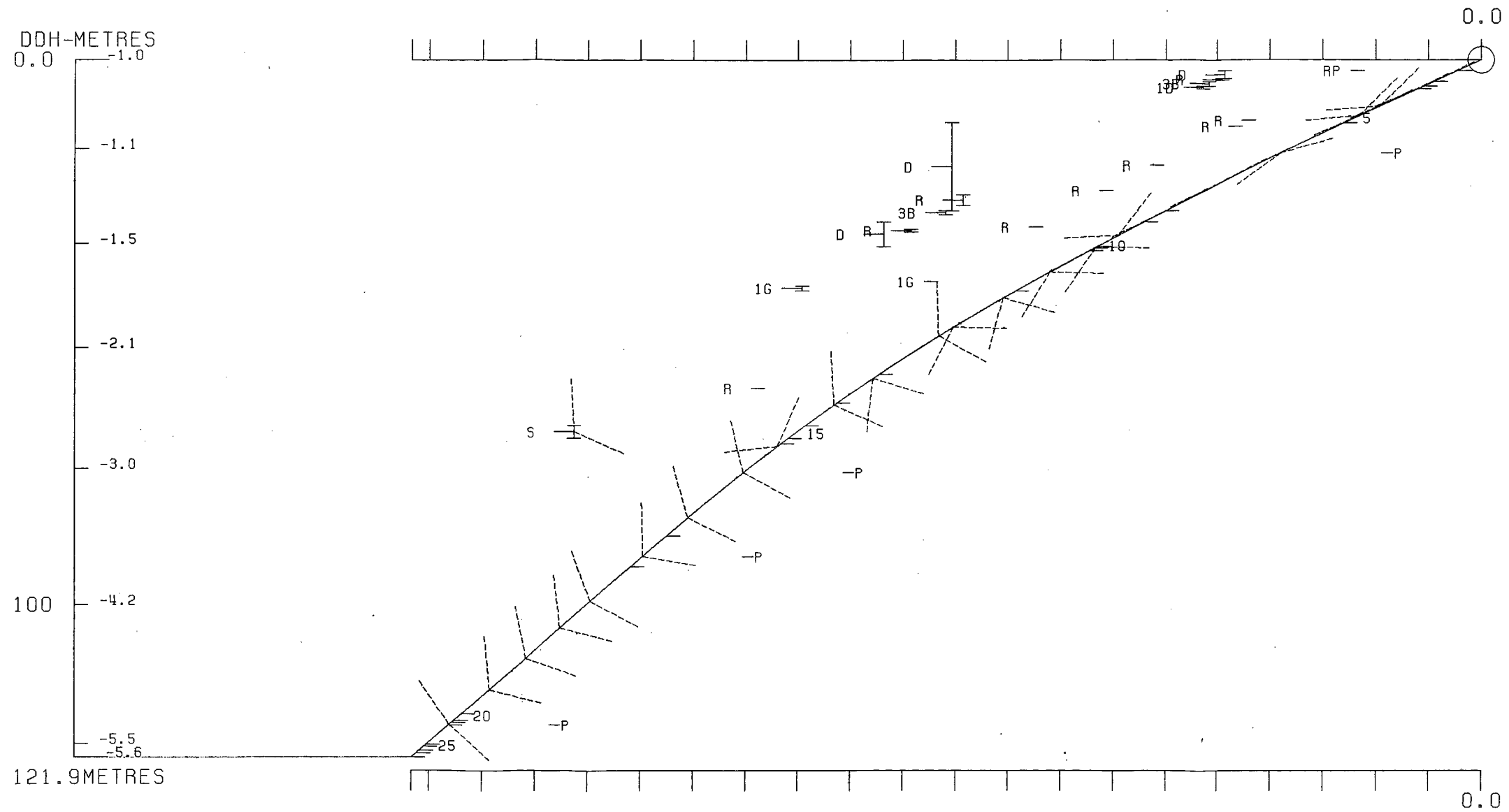
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1095 592182E ; 905221N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 585.6 Z = 1095.0

SECTION NAME: 82W



ELEVATION
ABOVE S.L.

+ 1050 M.



CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 13 FEB 1985 9:04 AM

FAQU 174

DRILL HOLE : FAGU174
NORTHING : 905,223.8
EASTING : 592,182.4
ELEVATION : 1,098.7
TOTAL DEPTH : 28.0
SECTION : W 82
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: 3
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 17
NOS DOWN-H-STRUCTURE: 6
NOS DOWN-H-FAULTS: 8
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17OCT83 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 19

DDH: FAGU174 UTM-N: 905,223.8 UTM-E: 592,182.4 UTM-ELEV: 1,098.7 TOTAL DEPTH: 28.0 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	0.000	0.000

17OCT83 GRUM

DOWN-HOLE LITHOLOGY (DHO20)

PAGE: 20

DDH: FAGU174 UTM-N: 905,223.8 UTM-E: 592,182.4 UTM-ELEV: 1,098.7 TOTAL DEPTH: 28.0 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
3.0	0001	3G9		0.5-	1
3.6	0002	5D4*	9 [4L5]	0.5-	1
4.5	0003	3G69		0.5-	1
4.7	0004	5D4*		0.5-	1
16.2	0005	5A19	->5A*	0.5-	1
16.9	0006	5D4*		0.5-	1
17.4	0007	5B62	\$ [3G9\$]	0.5-	1
18.3	0008	5D4*		0.5-	1
18.6	0009	4A4		0.5-	1
18.7	0010	5D4*		0.5-	1
19.8	0011	4D53	(4A4) AT TOP	0.5-	1
20.9	0012	3G64		0.5-	1
22.0	0013	3G9	86	0.5-	1
23.6	0014	3G46	1 ->4L14	0.5-	1
27.2	0015	3G0	89 (10Q*) 80:20	0.5-	1
27.7	0016	4D5		0.5-	1
28.0	0017	4E0	85	0.5-	1

17OCT83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 21

DDH: FAGU174 UTM-N: 905,223.8 UTM-E: 592,182.4 UTM-ELEV: 1,098.7 TOTAL DEPTH: 28.0 SECTION: W 82
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	
FAGU174	0.0	4.1	CS2		0	0	75	230	0	1	1	1
FAGU174	0.0	13.0	CS2		0	0	65	230	0	1	1	1
FAGU174	0.0	17.3	PS2	P	0	0	62	230	0	1	1	1
FAGU174	0.0	21.2	CS2		0	0	77	230	0	1	1	1
FAGU174	0.0	24.3	CS2		0	0	55	230	0	1	1	1
FAGU174	0.0	27.9	PS2	P	0	0	70	230	0	1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 22

DDH: FAGU174 UTM-N: 905,223.8 UTM-E: 592,182.4 UTM-ELEV: 1,098.7 TOTAL DEPTH: 23.0 SECTION: W 82
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	
FAGU174	0.0	3.0	BPC	5			0	0	0	0	1
FAGU174	3.0	4.5	B	8			0	0	0	0	1
FAGU174	4.7	12.2	3BG	2			0	0	0	0	1
FAGU174	12.2	16.2	3B				0	0	0	0	1
FAGU174	0.0	16.2	F				0	0	0	0	1
FAGU174	18.3	18.6	BD				0	0	0	0	1
FAGU174	22.0	23.6	D				0	0	0	0	1
FAGU174	0.0	24.5	G				0	0	0	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 23

DDH: FAGU174 UTM-N: 905,223.8 UTM-E: 592,182.4 UTM-ELEV: 1,098.7 TOTAL DEPTH: 28.0 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU174 1 1

82W.

CYPRUS ANVIL MINING CORPORATION

Page 1 of 5

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAGU 174

Reference Fabric Orientation Diagram:

Project: GRUM

Location: 82W.

Claim: _____

Terr. Plane Co-ords.: 905223.8 N

*transformations of
K-A grid coordinates*

592182.4 E

Grid Co-ords: _____

All symmetry determinations looking

K-A elev - 10.61m

Elevation: 1098.7

NW with S₂ dipping
SW with dip azimuth 225 *was* now 230

Total Depth: 28.0 m

Purpose: _____

Reason hole Terminated: _____

Logged by: GAJ.

Date(s) Logged: Aug 82

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

Lithologic Log

Date: _____ Logged By: _____

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L		00		30						1	3G9	1.5m recvy - with mottled siltstone beds. broken core
L		30		36						2	SD4*	} broken ~ 80% recvy minor py [425] minor py + sphal.
L		36		45						3	3G69	
L		45		47						4	SD4*	
L		47		162						5	SA19	→ SA* very broken - poor recovery and some gouge - probably considerable gouge washed away. 4.7-12.2 = 2m recvy mainly just chips and 10cm of gouge near 6m. below 12.2 good recovery but rx still very broken - fault at base of section (≈ 45° to core axis w/ slicks valing 30°)
L		162		169						16	SD4*	
L		169		174						7	SB62*	^[369*] very dolo rich, laminated, and dark grey to med grey
L		174		183						8	SD4*	
L		183		186						9	4A4	broken; microfractured
L		186		187						10	SD4*	
L		187		198						11	4D53	top 0.4m = 4A4
L		198		209						12	3G64	minor sphal + py in normal looking 3G phyllite
L		209		220						13	3G9	± 6 = ZnS sub-1152
L		220		236						14	3G46	→ 4L14 4L like rocks in middle of unit carry good sphal 10% over 6m in near massive ^{micro} bxn (ductile) bands.
L		236		272						15	3F0	± 9 (90%) 80:20 ind gouge for few cms near 60* at 24.5m but unit mainly intact; speckled ← felds? ank.?
L		272		277						16	4D5	
L		277		280						17	4E0	± 5 28.0 = E0H
												top half of unit 5 has remnants of major fault.

All sulfide facies exhalative

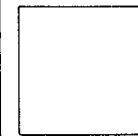
DIAMOND DRILL RECORD

LOGGED BY JIM PAXTON

D. D. H. No 76-U-174 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE 11,020.25 82W STARTED SEPTEMBER 14, 1976
 DEPARTURE 7,495.5 7N COMPLETED SEPTEMBER 15, 1976
 ELEVATION 1,109.3 PROPOSED DEPTH 100.0
 ULTIMATE DEPTH 28.0

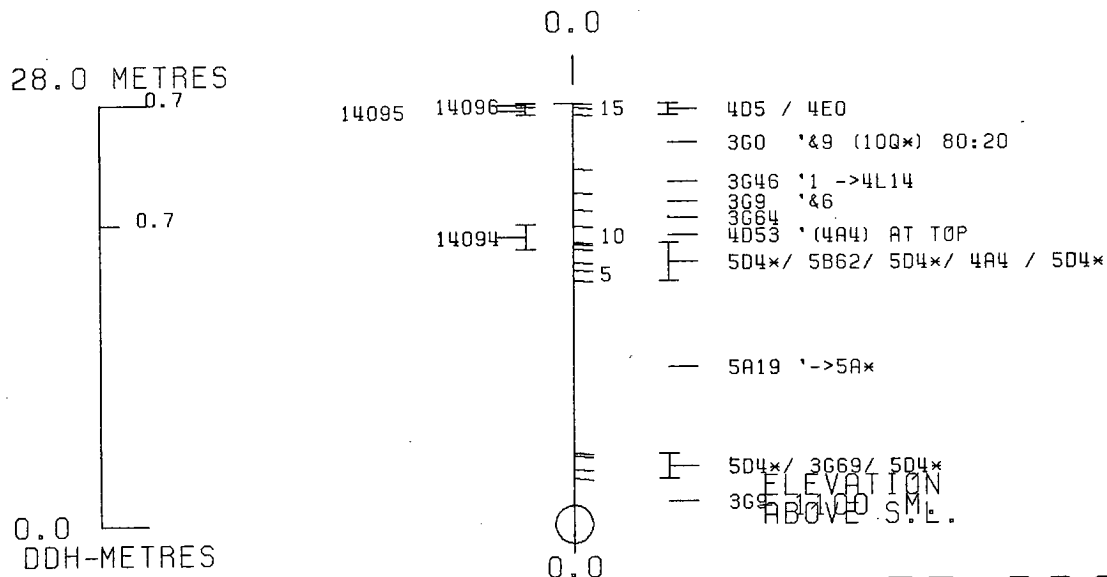
HOLE SURVEY:		
DEPTH	BEARING	DIP
		+90°



CLAIM No _____
 N
 ↑
 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	2.9	QUARTZ SERICITE CHLORITE PHYLLITE (Sc). Dark gray colour. F = 90°. 2	1.3/2.9														
2.9	4.7	BLEACHED SERICITE PHYLLITE (Sb). Pale tan colour. Streaks and blebs of pyrite.	1.2/1.8														
4.7	12.2	FAULT GOUGE. Gray colour. Core washed out. Pebbles.	1.6/7.5														
12.2	16.4	SERICITE GRAPHITE PHYLLITE (Sg). Dark gray. Strong F foliation @ 60°. Soft and friable. 2	3.0/4.2														
16.4	18.4	BLEACHED SERICITE PHYLLITE (Sb). Pale tan colour. Streaks of sulphides. Earthy & kaolinized.	2.1/4.0														
18.4	20.3	INTERBANDED MASSIVE SULPHIDE (MI) AND BLEACHED SERICITE (Sb). Brown, fine grained sulphide bands up to 15cm with 20 8	1.5/2.0	B437	18.3	20.3	2.0	2.98	4.85	40.46				5.96	9.7	80.92	

CYPRUS ANVIL MINING CORPORATION
 PROGRAM DH162 13 FEB 1985 8:01 AM



DDH: FAGU174 -- 42 DEGREE PROFILE

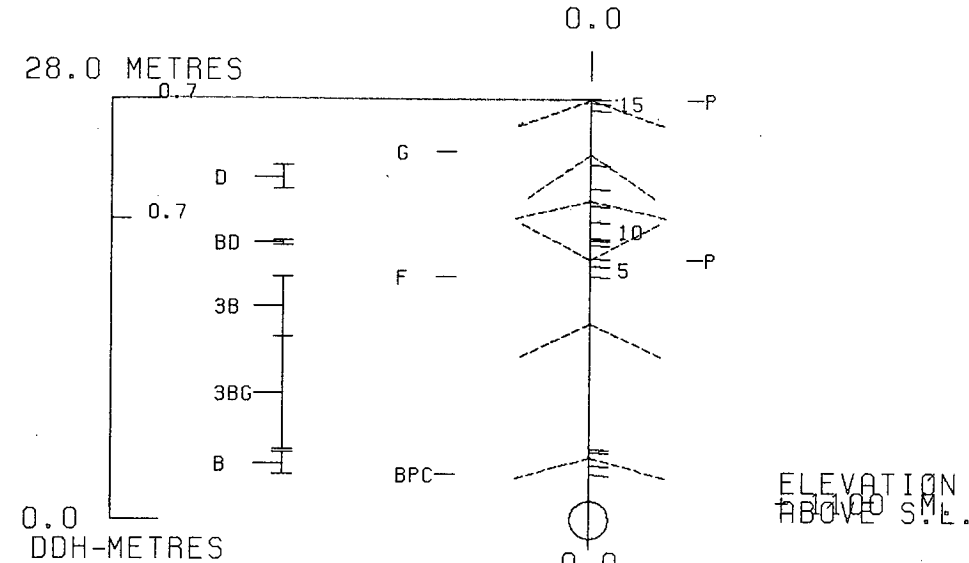
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1099 592182E ; 905224N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 588.3 Z = 1098.8

SECTION NAME: 82W



DDH: FAGU174 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1099 592182E ; 905224N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 588.3 Z = 1098.8

SECTION NAME: 82W

FAGU 188

no. 1.221 had 50000/

DRILL HOLE : FAGU188
NORTHING : 905,135.0
EASTING : 592,102.4
ELEVATION : 1,095.6
TOTAL DEPTH : 83.7
SECTION : W 82
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS ORE-SAMPLES: 21
NOS DOWN-H-SURVEYS: 1
NOS DOWN-H-LITHOLOGY: 22
NOS DOWN-H-STRUCTURE: 14
NOS DOWN-H-FAULTS: 1
NOS DOWN-H-SPLINES: 1
NOS COMPOSITES: 0

17OCT83 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 26

DOH: FAGU188 UTM-N: 905,135.0 UTM-E: 592,102.4 UTM-ELEV: 1,095.6 TOTAL DEPTH: 83.7 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	90.400	43.100

17OCT83 GRUM

DOWN-HOLE LITHCLOGY (DH020)

PAGE: 27

DDH: FAGU188 UTM-N: 905,135.0 UTM-E: 592,102.4 UTM-ELEV: 1,095.6 TOTAL DEPTH: 83.7 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
1.4	0001	5C4*	NO CORE	0.5-	1
2.9	0002	5C4*		0.5-	1
3.1	0003	4C5	[3G146]	0.5-	1
13.9	0004	4L12	46 ->3G1467 [4C0 85]	0.5-	1
17.3	0005	4C5	(405)	0.5-	1
21.5	0006	4L12	6 [3G1467][4C0&5] (5D4*)MINOR	0.5-	1
21.9	0007	5D4*		0.5-	1
22.8	0008	4L12	46 [4C5]	0.5-	1
32.8	0009	4A0	84 [3G916]	0.5-	1
33.1	0010	4L12	4 [4C0]	0.5-	1
33.3	0011	5D4*		0.5-	1
34.5	0012	4L12	4 [4C0]	0.5-	1
37.2	0013	4C5		0.5-	1
37.7	0014	5D4*		0.5-	1
40.7	0015	4C5	33	0.5-	1
42.9	0016	3G91	6	0.5-	1
44.9	0017	4A4	83 (5D4*)	0.5-	1
55.4	0018	3G0	83 (10Q3)	0.5-	1
55.6	0019	5D4*		0.5-	1
55.9	0020	3G0	(10Q*)	0.5-	1
57.9	0021	3G16	[4C5]	0.5-	1
83.8	0022	3G0	8* (5D4*) 99.5:0.5	0.5-	1

17OCT83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 28

DDH: FAGU188 UTM-N: 905,135.0 UTM-E: 592,102.4 UTM-ELEV: 1,095.6 TOTAL DEPTH: 83.7 SECTION: W 82
 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	SOC	PROCESS
FAGU188	0.0	6.3	CS2		0	0	30	230	0	1	1	1
FAGU188	0.0	12.2	CS2		0	0	37	230	0	1	1	1
FAGU188	0.0	17.9	CS2		0	0	40	230	0	1	1	1
FAGU188	0.0	23.9	CS2		0	0	44	230	0	1	1	1
FAGU188	0.0	29.1	CS2		0	0	15	230	0	1	1	1
FAGU188	0.0	32.1	CS2		0	0	25	230	0	1	1	1
FAGU188	0.0	33.8	CS2		0	0	35	230	0	1	1	1
FAGU188	0.0	38.7	CS2		0	0	20	230	0	1	1	1
FAGU188	0.0	53.9	PS2	P	0	0	10	230	0	1	1	1
FAGU188	0.0	61.0	PS2	P	0	0	30	230	0	1	1	1
FAGU188	0.0	69.7	CS2		0	0	35	230	0	1	1	1
FAGU188	0.0	77.3	CS2		0	0	32	230	0	1	1	1
FAGU188	0.0	79.3	CS2		0	0	52	230	0	1	1	1
FAGU188	0.0	83.2	CS2		0	0	30	230	0	1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DH020)

PAGE: 29

DDH: FAGU188 UTM-N: 905,135.0 UTM-E: 592,102.4 UTM-ELEV: 1,095.6 TOTAL DEPTH: 83.7 SECTION: W 82
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	
FAGU188	0.0	1.4	NP				0	0	0	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 30

DDH: FAGU188 UTM-N: 905,135.0 UTM-E: 592,102.4 UTM-ELEV: 1,095.6 TOTAL DEPTH: 83.7 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU188 1 1

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: FAG U 188

Reference Fabric Orientation Diagram:

Project: GRUM

Location: 82 W

Claim: _____

~~WPM~~ Terr. Plane Co-ords.: 905135.0 N

transformed
K-A grid coordinates
Grid Co-ords: 592102.34 E

K-A elev. -10.61m
Elevation: 1095.6

Total Depth: 83.8 m

All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth was 225° now 230°

Purpose: _____

Reason hole Terminated: _____

Logged by: GAJ

Date(s) Logged: 22 JULY 82

Drilling Contractor: _____

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

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

Code	From	To	Recov.	No.	Unit	Description
L	10 14	16 20	22 24	26 28	30 34	35
L	00	14		1	SCH*(P)	no recovery
L	14	29		2	SCH*	chl dolo mottled - "Kuchite" bearing
L	29	81		3	4CS	[36146] light grey micaceous (phyllitic) quartzite with 3-10% more or less evenly disseminated py sphal po lopy, gnd Rock tends <u>not</u> to be strongly compositionally banded with very s ⁻ rich and s ⁻ poor bands but still is banded on several counts ① there is a s ⁻ banding usually transposed into S ₂ with s ⁻ occurring in coarser H colored granular & trace S ₁ foliaform bands - also are S ₂ foliaform bands crudely defined and within areas of more evenly disseminated through background rock. ② there is an S ₁ foliaform comp. lamination of more siliceous and more micaceous units resembling the fine siltstone bands of 360 ③ there is a mica/gtouse banding to S ₂ cause by segregation of mica into S ₂ p solin stripes making distinct medium grey partings usually paper (to ~ 5-10 drill log pages thick) thin unit intact
L	81	139		4	4L1246-361467 [400±5]	similar to above unit but phyllitic partings are a little thicker and are lighter grey with a slight greenish beige tinge implying less carbonaceous material thus musc and chl may just be more apparent.
L	139	173		5	4CS	as unit 3 but more distinct slightly darker partings

may be grades 40 phyllitic

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	173		215						6	4L12	46 [361467] [4c0±5] as unit 4 minor (SD4*) 10cm at 20.0m. may be same thin heavily overprinted layers elsewhere.	
L	215		219						7	SD4*	only mineraliz in S ₂ fol. form qtz veins at each contact.	
L	219		228						8	4L12	46 etc [4c5] as above. close to losing the 4L designation	
L	228		328						9	4A01	[36916] not the worlds best 4A0 but then not the worst either. essentially a more carbonaceous variant of unit 2 etc. - could easily be silicified SA with repl(?) sulfides. (?) repl because almost all s = (py>sphal mainly) are in coarser qtz + s = + minor dolo(?) bands which locally can be seen to occupy different compositional domains despite physical continuity of the band perhaps ⇒ a veinlet. can only demonstrate that they are pre-D ₂ grade between poor and pathetic	
L	328		331						10	4L12	4 etc [4c0] very muscovitic (bleached looking)	
L	331		333						11	SD4*	Such - not mineraliz	
L	333		345						12	4L12	4 etc [4c0] very muscovitic & bleached looking is SD4* the culprit??	
L	345		372						13	4C5	etc as above	
L	372		377						14	SD4*		
L	377		407						15	4C5	* etc as above * = dolo grains in qtz bands!	
L	407		429						16	369.16	py sphal bearing but quite minor this strikes me as the background rock to unit 9 without the coarser qtz + s = bands (veinlets??) i.e. silicified 369 [5A6]	
L	429		449						17	4A4±3	(SD4*) minor bands. This is good old	

others
4A phyllitic

← rare py
bearing
SD4*
1cm
bands

Lithologic Log

Code	From		To		Recov.		No.		Unit		Description
	10	14	16	20	22	24	26	28	30	34	
											4A with which I have no problems Seeing as an exhalite 10% PbZn minor 4H0 rind at 50T has thick s ⁼ rich bands separated by dk. grey laminated highly siliceous fine quartzite (other peoples chert) bands shows common near massive s ⁼ banding unlike unit 9
L	44.9		55.4					118		3160	±* * = orange weather mottled grains in strose bands which locally in this hole fizz with great difficulty in 20% HCl but other holes fizz readily = ante =? dolo? = silicified feldsp grains? - bands also carry minor po. 47.7 - 53.2 } 30% interbanded OP* along S ₁ & in D ₂ folds.
L	55.4		55.6					119		5104*	
L	55.6		55.9					120		3160	(OP*) as unit 18 but getting bleached.
L	55.9		57.9							3616	[45] ~5% py + sphal. weakly and diffusely banded.
L	57.9		83.8					121		3160	±* mottley phyllite - phyllite with mottley siltstone bands. - med grey quartz 36 (504*) 99.5: 0.5 57.9 - 60.1 } with ~25% OP* as above. 62.1 - 68.2 } 61m-63m minor 36146 type repl? mineraliz. from +py. 69.9 - 70.0 } 72.9 - 73.0 } 504*
											No significant faults in this hole. good recov, no gouge
											83.8 = FOH

ASSAY LOG (SAMPLER'S COPY)

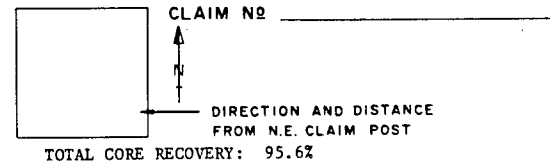
CODE	FROM		TO		SAMPLE	INTR.				REC (m)	UNIT	DESCRIPTION	
	10	14	16	20		22	26	28	30				32
P		129		147	14104				18	17	4CS	[36146]	
D		147		165	14105				18	15	4CS	[36146]	
P		165		181	14106				16	16	4CS	[36146]	
P		181		1101	14107				20	20	4L1246	→ 361467 [400±5]	
P		191		121	14108				20	19	4L1246	→ 361467 [400±5]	
P		121		139	14109				18	18	4L1246	→ 361467 [400±5]	
P		139		155	14110				16	16	4CS		
P		155		173	14111				17	14	4CS		
D		173		193	14112				20	20	4L1246	[400±5]	
P		193		215	14113				22	20	4L1246	[400±5]	
P		219		228	14114				09	07	4L1R46		
D		228		248	14115				20	20	4A0	[36916] ±*	
D		248		268	14116				20	19	4A0	"	
D		268		288	14117				20	20	4A0	"	
P		288		308	14118				20	20	4A0	"	
P		308		331	14119				23	23	4A0	" (4L124) [400]	
P		331		345	14120				14	14	4L1246	4±6 [400] (SD4X)	
P		345		372	14121				27	27	4CS		
P		377		407	14122				30	28	4CS	±*	
P		429		449	14123				20	20	4A4±3	(SD4X)	
P		559		579	14124				20	20	3616	[4CS]	

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG-PO D.D.H. NO 76-U-188 PAGE 1

PROPERTY GRUM JOINT VENTURE
 LATITUDE 10,933.918mN 82W STARTED OCTOBER 3, 1976
 DEPARTURE 7,412.987m 3N COMPLETED OCTOBER 4, 1976
 ELEVATION 1.106.243 PROPOSED DEPTH _____
 ULTIMATE DEPTH 275 - 83.8m

HOLE SURVEY:		
DEPTH	BEARING	DIP
COLLAR	43° 06'	-0° 23'

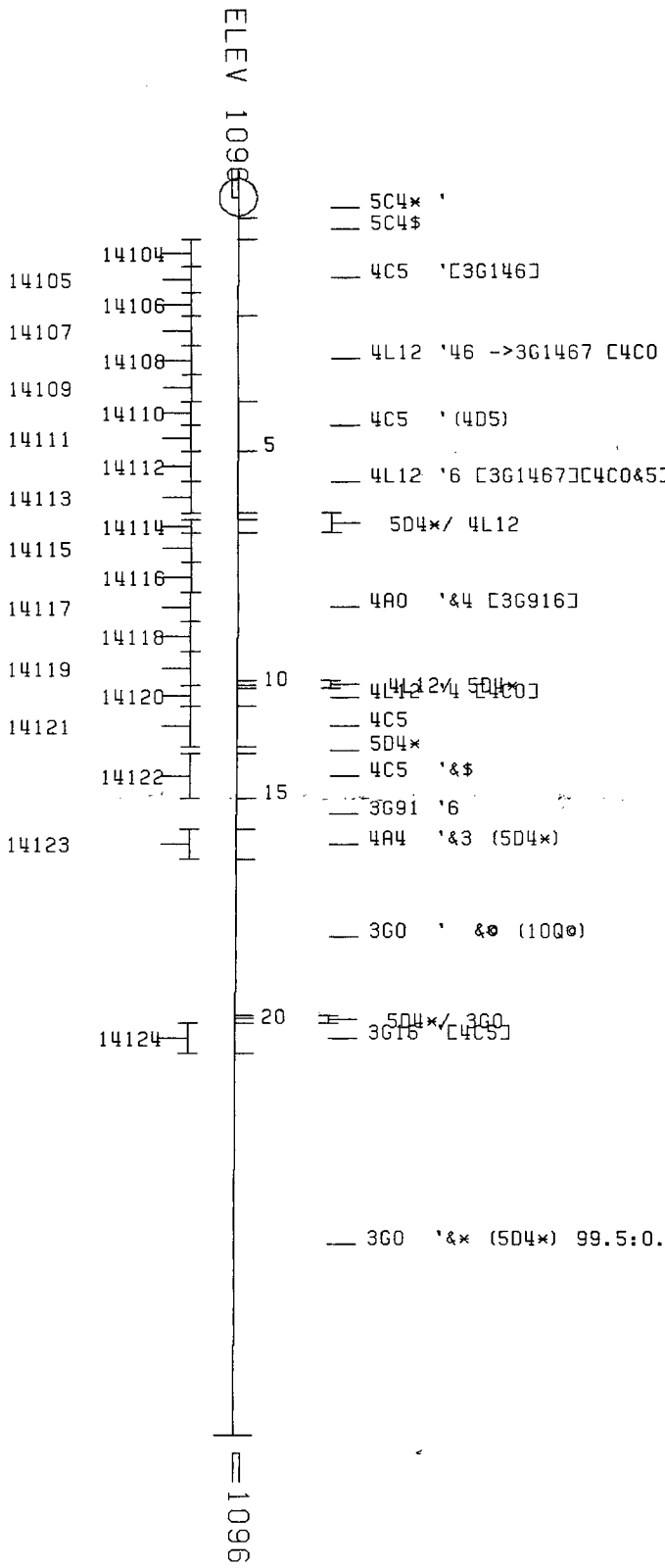
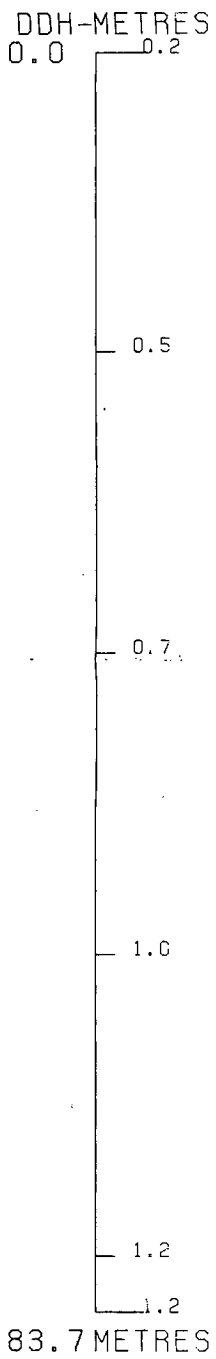


Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	1.5	QUARTZ-SULFIDE (P). Broken, pebbly core. Extremely low core recovery. No sample taken. PY: 30 PBZN: 5%.	0.05		0	1.5	1.5	5 PZ	est.								
1.5	3.0	BLEACHED SERICITE PHYLLITE WITH CHLORITIC INTERVAL (Sbc). Competent. Light gray to silvery white and with green stripe /spots. Foliation F = 15-20°; F = 65° sub-perpendicular to F. Broad F fold nose closure. 3.0: Sharp clean contact with weakly mineralized Quartz-Sericite-Sulfide Phyllite (S-P).	1.5		1.5	3.0	1.5										
				W.Av.	3.0	9.0	6.0	2.65	PbZn				15.87	PbZn			
				W.Av.	15.2	18.2	3.0	1.78	3.32	26.75			5.34	9.95	80.24		
3.0	15.2	WEAKLY MINERALIZED QUARTZ-SERICITE-SULFIDE PHYLLITE (S-P). Competent. Foliation F = 35-40°; F perpendicular to F. Sulfide as thin widely spaced and erratically distributed laminae. Clots/blebs of Po.															
15.2	22.8	QUARTZ-SULFIDE (P). Competent. Foliation F = 25-30°; 5	3	1.3	947B	15.2	16.7	1.5	1.38	2.98	21.26			2.07	4.47	31.50	

DDH: FAGU188 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

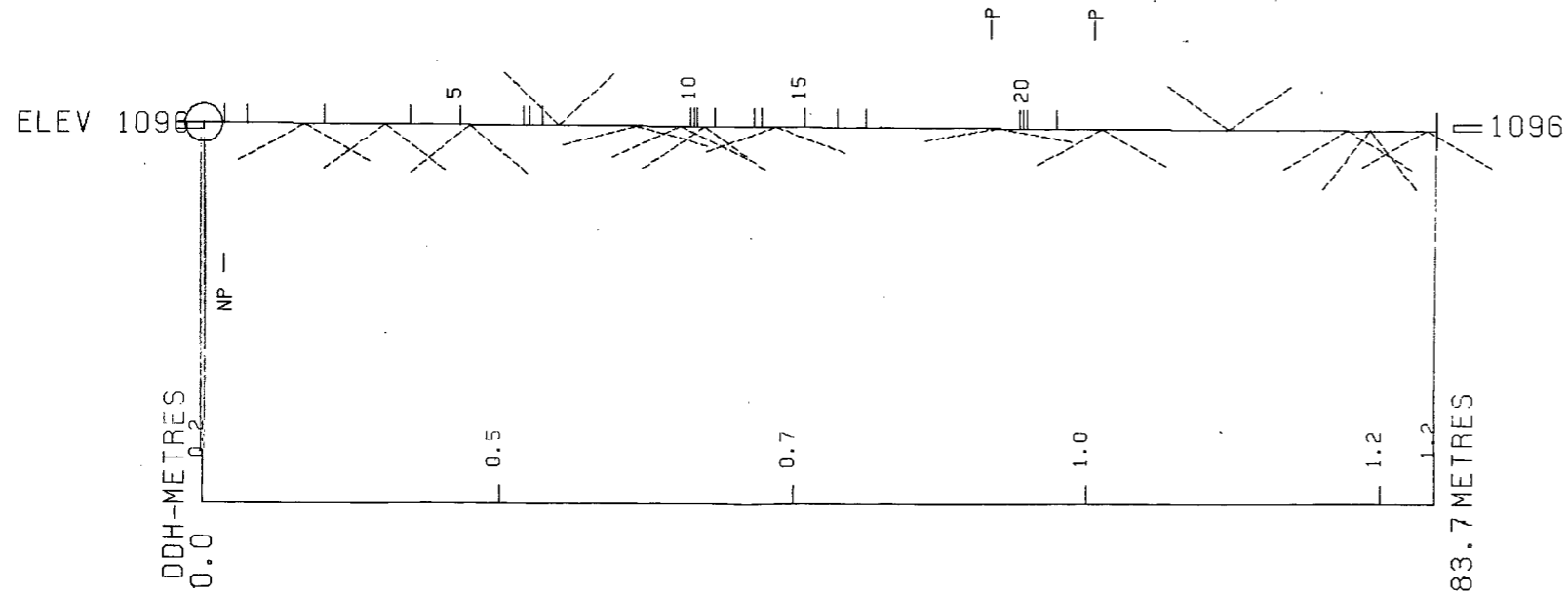
ELEV: 1096 592102E ; 905135N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 468.7 Z = 1095.6
 SECTION NAME: 82M



CYPRUS ANVIL MINING CORPORATION
 PROGRAM DH162 13 FEB 1985 7:55 AM

DDH: FAGU188 -- 42 DEGREE PROFILE
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1096 592102E ; 905135N
PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
CORRECTED COLLAR POSITION: X = 468.7 Z = 1095.6
SECTION NAME: 82W



✳
CYPRUS ANVIL MINING CORPORATION
PROGRAM DH161 13 FEB 1985 8:59 AM

FAQU 190

DRILL HOLE : FAGU190
NORTHING : 905,133.9
EASTING : 592,101.2
ELEVATION : 1,094.4
TOTAL DEPTH : 106.7
SECTION : W 82
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: 36
NOS DOWN-H-SURVEYS: 3
NOS DOWN-H-LITHOLOGY: 37
NOS DOWN-H-STRUCTURE: 15
NOS DOWN-H-FAULTS: 6
NOS DOWN-H-SPLINES: 3
NOS COMPOSITES: 0

17OCT83 GRUM

ORE SAMPLES & ASSAYS (DH020)

PAGE: 32

DDH: FAGU190 UTM-N: 905,133.9 UTM-E: 592,101.2 UTM-ELEV: 1,094.4 TOTAL DEPTH: 106.7 SECTION: W 82
 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	ASSAYS														
FROM	TO				CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.
4.5	6.5	12993	2.0 1.8 4C5		.04	.85	1.68	13.99											
6.5	8.5	12994	2.0 1.4 4C5		.05	.93	1.61	13.00											
8.5	10.6	12995	2.1 1.9 4C5	3.02	.04	1.66	1.81	21.00			.40		4	5					
10.6	12.1	12996	1.5 1.3 4C0	2.95	.02	2.54	2.29	34.00			.55		3	4					
12.1	13.7	12997	1.6 1.5 4C0	2.91	.02	2.29	1.81	29.99			1.23		2	3					
13.7	15.6	12998	1.9 1.9 4C5	2.91	.19	2.08	2.37	26.00			.20	2	3	6					
28.0	29.8	12999	1.8 1.6 4D0	2.93	.01	1.81	3.29	27.00			.27	1	1	3					
29.8	31.2	13000	1.4 1.3 4C5	2.91	.02	1.39	2.75	19.00			.27	1	2	3					
31.2	33.3	14125	2.1 2.1 4A0	3.00	.02	1.01	.46	19.00			.62	1	6	7					
33.3	34.9	14126	1.6 1.6 4C5	2.89	.02	1.05	1.70	17.00			.20	1	1	3					
34.9	36.5	14127	1.6 1.5 4C5	2.91	.05	.88	1.87	15.99			.20	1	1	3					
36.5	38.4	14128	1.9 1.7 5D4*		.04	.14	.19	6.00											
38.4	40.4	14129	2.0 1.8 4C0		.04	.29	.69	7.99											
40.4	42.4	14130	2.0 1.9 4C0		.05	.29	1.07	9.00											
42.4	44.4	14131	2.0 1.9 4C0		.04	.42	.52	10.00											
44.4	45.2	14132	.8 .6 4D0	3.14	.11	1.82	4.05	35.00			.34	1	7	8					
45.2	47.2	14133	2.0 2.0 4A0	3.31	.10	1.44	3.45	30.99			1.30	1	13	15					
47.2	43.7	14134	1.5 1.5 4A4	3.29	.05	4.25	8.50	62.99			.89	1	9	10					
48.7	50.7	14135	2.0 2.0 4A30	3.68	.17	1.15	1.46	31.99			1.10		22	22					
50.7	52.7	14136	2.0 1.8 4A30		.23	.62	1.25	25.00											
52.7	54.7	14137	2.0 1.9 4A30		.20	.81	1.34	27.99											
54.7	55.6	14138	.9 .9 4A30		.17	.57	.89	23.00											
55.6	57.8	14139	2.2 2.1 4E4	4.34	.20	4.65	5.90	84.00			1.58	1	27	29					
57.8	59.1	14140	1.3 1.3 4G4	4.73	.26	4.42	6.99	77.00			.62		22	23					
59.1	60.1	14141	1.0 1.0 4E46	4.75	.22	9.00	11.09	118.99			1.78	3	24	28					
60.1	61.5	14142	1.4 1.4 4C3	3.87	.29	1.87	1.46	36.00			.95	2	23	26					
61.5	63.7	14143	2.2 2.1 4E46	4.71	.16	6.20	10.09	97.00			1.16		19	20					
63.7	64.4	14144	.7 .7 4EG	4.87	.22	4.63	9.69	85.00			.68		24	25					
64.4	66.0	14145	1.6 1.5 4E0	4.88	.16	1.88	2.08	31.99			.62		38	39					
66.0	67.1	14146	1.1 1.1 4G4	4.79	.14	5.00	10.09	70.00			.81		16	17					
67.1	69.1	14147	2.0 1.6 4EG	4.63	.22	6.20	10.59	102.00			1.98		24	25					
69.1	71.1	14148	2.0 1.8 4EG	4.80	.22	4.29	6.90	81.00			1.43		29	30					
71.1	72.9	14149	1.8 1.7 4EG	4.92	.16	5.70	8.69	94.00			1.23	1	27	28					
72.9	74.1	14150	1.2 1.2 4E46	3.58	.04	2.60	3.10	39.00			.27	3	12	15					
74.1	76.1	14151	2.0 1.9 4G4	4.94	.23	7.20	10.30	110.99			1.85		27	28					
76.1	78.0	14152	1.9 1.8 4G4	4.95	.26	5.70	8.90	118.99			1.37		25	25					
WEIGHTED AVERAGE																			
4.5	15.6		11.1 9.8	1.89	.06	1.67	1.91	22.20			.36		2	2					
28.0	78.0		50.0 47.3	3.01	.13	2.83	4.47	49.87			.74		13	14					

17OCT83 GRUM

DOWN-HOLE SURVEYS (DHQ20)

PAGE: 33

DDH: FAGU190 UTM-N: 905,133.9 UTM-E: 592,101.2 UTM-ELEV: 1,094.4 TOTAL DEPTH: 106.7 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	160.000	44.000
73.200	171.000	73.000
103.600	175.000	109.000

DDH: FAGU190 UTM-N: 905,133.9 UTM-E: 592,101.2 UTM-ELEV: 1,024.4 TOTAL DEPTH: 106.7 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
4.5	0001	#		0.5-	1
10.6	0002	4C5		0.5-	1
13.7	0003	4C0		0.5-	1
15.6	0004	4C5	(4D0)(5D4) MINOR	0.5-	1
27.2	0005	3G9	8\$ (5D4*)(10Q0 8*) MINOR	0.5-	1
28.0	0006	5D4*	(3G9[5A6]) 70:30	0.5-	1
29.8	0007	4D0	[4L124]	0.5-	1
31.2	0008	4C5		0.5-	1
33.3	0009	4A0		0.5-	1
36.5	0010	4C5		0.5-	1
37.1	0011	5D4*		0.5-	1
37.9	0012	4A0		0.5-	1
38.4	0013	5C4*		0.5-	1
45.2	0014	4C0	[4L124]	0.5-	1
48.7	0015	4A0	84	0.5-	1
53.6	0016	4A30		0.5-	1
57.8	0017	4E4	86	0.5-	1
59.1	0018	4G4	(4E46)	0.5-	1
60.1	0019	4E46	8#	0.5-	1
61.5	0020	4C3	->4E1	0.5-	1
63.7	0021	4E46		0.5-	1
64.2	0022	4E4	[4E0]	0.5-	1
64.4	0023	4G4		0.5-	1
66.0	0024	4E0		0.5-	1
67.1	0025	4G4		0.5-	1
67.6	0026	4E4	81	0.5-	1
72.0	0027	4E4	86	0.5-	1
72.3	0028	4E4	86 (5C*) 50:50	0.5-	1
72.9	0029	4E46		0.5-	1
73.3	0030	5C*		0.5-	1
73.6	0031	4E46		0.5-	1
74.1	0032	4E46	(5C*) 70:30	0.5-	1
78.0	0033	4G4	(4E46) 40:60	0.5-	1
84.8	0034	5A*	83 (5D0) 70:30	0.5-	1
89.4	0035	5A3	8* (5D0) 90:10	0.5-	1
93.0	0036	5A6	83 (5D0)(10Q*) 90:10	0.5-	1
106.7	0037	5A3	[5820] (5D0 BIOTITE) 90:10	0.5-	1

17OCT83 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 35

DDH: FAGU190 UTM-N: 905,133.9 UTM-E: 592,101.2 UTM-ELEV: 1,094.4 TOTAL DEPTH: 106.7 SECTION: W 82
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	SO ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGU190	0.0	5.6	CS2		0	0	50	230	0	1	1	1
FAGU190	0.0	15.2	CS2		0	0	58	230	0	1	1	1
FAGU190	0.0	23.3	CS2		0	0	42	230	0	1	1	1
FAGU190	0.0	26.8	CS2		0	0	62	230	0	1	1	1
FAGU190	0.0	35.0	CS2		0	0	54	230	0	1	1	1
FAGU190	0.0	40.5	CS2		0	0	55	230	0	1	1	1
FAGU190	0.0	47.6	CS2		0	0	48	230	0	1	1	1
FAGU190	0.0	53.0	PS1	P	0	0	50	230	0	1	1	1
FAGU190	0.0	63.7	PS1	P	0	0	52	230	0	1	1	1
FAGU190	0.0	71.4	PS1	P	0	0	50	230	0	1	1	1
FAGU190	0.0	78.0	PS1	P	0	0	55	230	0	1	1	1
FAGU190	0.0	81.9	PS2	P	0	0	38	230	0	1	1	1
FAGU190	0.0	91.0	PS2	P	0	0	70	230	0	1	1	1
FAGU190	0.0	96.5	CS2		0	0	60	230	0	1	1	1
FAGU190	0.0	105.0	CS2		0	0	75	230	0	1	1	1

17OCT83 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 36

DDH: FAGU190 UTM-N: 905,133.9 UTM-E: 592,101.2 UTM-ELEV: 1,094.4 TOTAL DEPTH: 106.7 SECTION: W 82
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
FAGU190	0.0	4.5	PC		0	0	0	1
FAGU190	20.6	20.9	G		0	0	0	1
FAGU190	0.0	21.6	G		0	0	0	1
FAGU190	55.6	57.8	XQ		0	0	0	1
FAGU190	60.1	61.5	D		0	0	0	1
FAGU190	67.1	67.6	D		0	0	0	1

17OCT83 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 37

DDH: FAGU190 UTM-N: 905,133.9 UTM-E: 592,101.2 UTM-ELEV: 1,094.4 TOTAL DEPTH: 106.7 SECTION: W 82
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGU190	1	2
FAGU190	2	2
FAGU190	3	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 14:25:55

82W

CYPRUS ANVIL MINING CORPORATION
DIAMOND DRILL CORE LOG

Page 1 of 9
Date: _____

Hole Number: FAGU 190

Reference Fabric Orientation Diagram:

Project: Grum

Location: 82W

Claim: _____

~~UTM~~ Terr. Plane
Co-ords.: 905133.9 N

Transformed
K-A coordinates
592101.2 E

Grid
Co-ords: _____

K-A elev -10.61m
Elevation: 1094.4

All symmetry determinations looking

NW with S₂ dipping

Total Depth: 106.7

SW with dip azimuth 225 ^{was} now 236

Purpose: _____

Reason hole Terminated: _____

Logged by: GAJ/OSJ

Date(s) Logged: 12 Aug 82

Drilling Contractor: _____

Size CORE
From To Collar Cased
and Capped: _____

Hole Cemented: _____

Steel down hole: _____

Started: _____ Completed: _____

Lithologic Log

Date: 12 Aug 82 Logged By: GAT/DST

Code	From		To		Recov.	No.		Unit	Description	
	10	14	16	20		22	24			26
L		100		145			1	#1	Cave ground core 4100	
L		145		106			2	4C5	split, intact, good recr ^y ; m. → db med. folia, 10% sulfs py > ZnS; not good exhalative but could be; minor 400 9.2-9.7; could also be w. alk. alteration; sulfs. in bands 11S, & S ₂ tending to be thin, stringer-like not mass.; good lithol. struct. due to all ^{mining} gty / pelite-rich bands	
L		106		137			3	400	WEASEL ROCK lt. colored off white to slightly yellowish green w/ 15% total sulfs 30:50 py; ZnS; sulfs. in thin disc. bands 11S, & transp. into S ₂ ; minor thicker bands suggestive of exhalative origin; could be 4C5 above overprinted by 4L	
L		137		156			4	4C5	as #2; minor 400 + 504 interbands m. center; upper contact grad. into above 400; lower " " into non-sulf-bearing rks; low S ₂ w/ 10% @ TOI w/ 50:50 py; ZnS. from 14.7 S ₂ = 50% w/ 65:35 py; ZnS folia m → m. db. gray; may or may not be exhalative; entire interval 4.5-15.6 = Weasel Rock	
L		156		272			5	3G9	±* dol. v. minor (504*, 000±*); top 6m. c.f. last 1m. of last unit being siliceous & grading downward into less " grayish green phyllite; 504* @ 20.4, 24.2 = 8cm. of excell. lenses are likely tuff; unit intact to 20.6 m., m. ben. below; gauge 20.6-20.9 indeter.; most 000 21.1-22.8; gauge " @ 21.6; lower half of unit greenish	

Lithologic Log

Date: 12 Aug 82 Logged By: GAT/DST

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
L	272	280		4	5D4*	of softer \Rightarrow tuffaceous component? (369) [5A6]; 40:30; 5D4* 1-12 cm. bands w/ minor ZnS-bearing gty stringers
L	280	298		7	4D0	[4C124] alt ⁿ interp; unit musc. rich gty interleaved w/ 4C-like phyll. fractures several mm. in thickness; sulf = 10% w/ ZnS \Rightarrow py \Rightarrow py minor 5D4* interbands 1-2%; intact
L	298	312		8	4C5	m \rightarrow m.dk. gy. folia w/ well devel'd. sulf. banding 11S, but not " " 11S, c.f. 4A0; does not have mass. sulf. layers or well devel'd gty-sulf. " ; could be silicified mineralized wallrk; split but intact; grades downhole to 4A0 \Rightarrow stroliforms??
L	312	333		9	4A0	dk. gy \rightarrow blk. folia w/ well devel'd gty-sulf. layers 11S; ZnS & py rich layers adjacent to each other; good exhalative viz; more 5" rich, dk. gray, better bandial less homogeneous than 8 etc; intact
L	333	365		10	4C5	fairly sharp contact w/ 4A0 w/ short 4C0 separating; cf. #8; lacks textures of #9 \Rightarrow Weasel Rock 5-10% 5" dominantly ZnS, minor py (2:1) rare alternating ZnS & py rich bands; lower 0.3 m \approx 4C0 w/ off-to greenish white folia w/ 5, 11 stringers; again Weasel Rock
L	365	371		11	5D4*	minor fuchsite; layered; minor py not well mineralized like above units raising? of why this not min ^d if above wallrock alt ⁿ .
L	371	379		12	4A0	shutty; not good 4A0 because of lack of good gty-py layers although

Lithologic Log

Date: 12 Aug 82 Logged By: GAT/DST

Code	From	To	Recov.	No.	Unit	Description
	10 14 16 20 22 24 26 28 30 34 35					
						db. enough; 37.1-37.3 = 4C0
						prob. exhalative; intact
L	37.7	38.4		13	5C4*	mottled; intact
L	38.4	45.2		14	4C0	[(4L12)] c.f. #3; sulfs 115, as do
						minerals (5D4*); unit has reasonable
						S, 11 sulf. banding; may be 4L over-
						printed 4A; lower contact sharp
						against 4A4 w/ excell. transitional
						texture vis. texturally 4A w/ no graph;
						interstratified 5D4* 42.7-43.1, 44.0-
						44.1; striking intermixtures of
						5C-4C-4D-4L rks in this unit
						could this be like swarm cutting
						than 4A breaching it??; intact
L	45.2	48.7		15	4A0	excell. exhalative w/ 1/2-3 cm. gran.
						qtz-py layers w/ py us. ZnS rich
						layers etc.; ST ≈ 30% w/ 50:50
						ZnS:py
L	48.7	55.6		14	4A3D	sharp drop in grade TOI; 1/2-10
						cm. thick qtz-py rich bands w/
						py dis. thruout; M regions
						50.7, 52.0-53.0;
L	55.6	57.8		17	4E4	to w/ 4E1 @ TOI unit becoming
						basic progressively toward base -
						Anvil Cycle??; g-CO ₂ cracks b'p
						down c.a. thruout unit
L	57.8	59.1		18	4B4	(4E4) well banded
L	59.1	60.1		19	4E4C	±* calcite * @ TOI; intact
L	60.1	61.5		20	4C3	⇒ 4E1; qtz-sulf. microb'ria; not
						much BM except last 0.4m; intact
L	61.5	63.7		21	4E4C	homog. dist. BaSO ₄ ; subtle banding
						to mass.; intact
L	63.7	64.2		22	4E0	mass. low grade; intact
L	64.2	64.4		23	4G4	intact
L	64.4	66.0		24	4E0	mass., low grade, 4K-like CO ₂ "floaters"
						lower cont. sharp

Code	From	To	Recov.	No.	Unit	Description					
	10	14	16	20	22	24	26	28	30	34	35
L	660	671		25	4G4	banded, BaSO ₄ rich; intact					
L	671	676		26	4E4	±1 @ TOI w/ microb. texture; high grade					
L	676	720		27	4E4	±6; mass. to w. banded; ank "floaters"; intact					
L	720	723		28	4E4	±6 (5C*); 50:50; intact					
L	723	729		29	4E4G	mining, dist. BaSO ₄					
L	729	733		30	5C*	mottled					
L	733	736		31	4E4G						
L	736	741		32	4E4G	(5C*) 70:30.					
L	741	780		33	4G4	(4E4G); 40:60; ank "floaters"; subtly banded; intact; sharp contact w/ following unit					
L	780	848		34	5A*	±3 (5D); 70:30; (OO*) assoc. w/ 5D = 2% ; intact considering graph. nature; dk. gy → blk. folia; minor 5A2*; * = dol. in lt. colored gty-co ₂ silt. layers transposed 1152; 5D's 3cm. to 0.5M in thickness w/ sharp contacts good candidates for tufts; no diffuse contacts or grading					
L	848	894		35	5A3	±* (5D); 90:10; 5D as in #34 3cm - 0.3M; good tufts; 1 micro tuft w/ sharp lower diffuse upper contact; 5A c.f. above except calcitic; some dk. gray sh. also calcareous as opposed to dol. variant intact					
L	894	930		36	5A4	±3 (5D) (OO*) ; 90:10 ; 5D = 5mm to 0.3M thick as in above 2 units; intact; last 3 units light for 5A, dk. for 5B2 w/ slight drop in C in this unit					
L	930	1067		37	5A3	(5D) (5B2) ; fine-silt. ; dk. color ; ± bio in 5D ; 90:10 5A3:5D ; most 5D below 103.3 as 1cm - 0.3M s ₂ 11 bands EDH					

DDH FAGU.190
2 8

Cyprus Anvil Mining Corp.

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Structural Log

Date: 12 Aug 82 Logged By: GAT/JT

Code	From				To				Feature	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28		Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				15	0	CS12							50	225		
S				15	2	CS12							58			
S				12	3	CS12							42			
S				26	8	CS12							62			
S				35	0	CS12							54		⇒ DD	
S				40	5	CS12							55		⇒ DD	
S				47	4	CS12							48		⇒ PS2	
S				53	0	RS1							50		or PS2	
S				63	7	RS1							52		or PS2	
S				71	4	RS1							50		or PS2	
S				78	0	RS1							55		" "	
S				81	9	INDP							38			
S				91	0	INDP							70		CSn 30/180	
S				96	5	CS12							60			
S				105	0	CS12							75			

ASSAY LOG (SAMPLER'S COPY)

Date 13 Aug 82 Sampled by _____

CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
P		145		165	12993		20		18			4C5	
P		165		185	12994		20		14			4C5	
P		185		106	12995		21		19			4C5	
P		106		121	12996		15		13			4D0	
P		121		137	12997		16		15			4D0	
P		137		156	12998		19		19			4C5	
P		280		298	12999		18		16			4D0	
P		298		312	13000		14		13			4C5	
P		312		333	13001		21		21			4A0	
P		333		349	13002		16		16			4C5	
F		349		365	13003		16		15			4C5	
P		365		384	13004		19		17			5D4*	(4A0, 5C4*)
P		384		404	13005		20		18			4C0	[4424]
P		404		424	13006		20		19			4C0	"
P		424		444	13007		20		19			4C0	"
P		444		452	13008		08		06			4C0	"
P		452		472	13009		20		20			4A0	
P		472		487	13010		15		15			4A0	
P		487		507	13011		20		20			4A30	
P		507		527	13012		20		18			4A30	
P		527		547	13013		20		19			4A30	
P		547		556	13014		09		09			4A30	
P		556		578	13015		22		21			4E4	±6
P		578		591	13016		13		13			4E4	(4E46)
P		591		601	13017		10		10			4E46	±* calcite
P		601		615	13018		14		14			4C3	⇒ 4E1
P		615		637	13019		22		21			4E46	
P		637		644	13020		07		07			4E0	(4B4)
P		644		660	13021		16		15			4E0	
P		660		671	13022		11		11			4G4	±1
P		671		691	13023		20		16			4E4	±6
P		691		711	13024		20		18			4E4	±6
P		711		729	13025		18		17			4E4	±6
P		729		741	13026		12		12			4E46	(5C*)
P		741		761	13027		20		19			4G4	(4E46)

