

Grum
68W
Book 1

014998

74 A013

84/10/16

GRUM DATABASE - QUIZ REPORT

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DDH	SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
		FROM	TO															
FAGA013	5210	40.8	44.0	3.2	100	4K7	3.70	.20	1.32	.87	34.0	.27	6.00	20.70		2.19	26.70	.40
	90117	44.0	48.3	4.3	100	4G4		.16	8.10	8.40	107.0	1.27				16.50		.51
	90118	48.3	52.3	4.0	100	4G4		.19	7.65	5.52	92.6	1.71				13.17		.42
	90119	54.9	59.0	4.1	100	4E0		.21	5.03	4.20	91.9	.69				9.23		.46
	90120	59.0	60.1	1.1	100	4E0		.15	1.50	1.90	29.5	.17				3.40		.56
	90121	60.1	61.6	1.5	100	4E4		.20	5.25	5.40	71.3	1.37				10.65		.51
	90122	61.6	64.2	2.6	100	4K0		.08	1.25	.16	33.9	1.02				1.41		.11
	90123	64.2	66.8	2.6	100	4K0		.20	1.63	.90	53.5	.69				2.53		.36
	90124	121.3	123.1	1.8	100	5A0		.03	.90	2.00	24.7	.34				2.90		.69
	5211	123.1	124.9	1.8	100	4E4	3.70	.13	3.06	5.09	68.0	.55	2.59	18.30		8.15	20.89	.62
	5212	130.1	133.2	3.1	100	4A0	3.01	.07	.78	1.65	12.0	.34	1.99	4.50		2.43	6.49	.68
	5213	133.2	136.6	3.4	100	4A0	2.99	.11	.81	1.54	14.0	.34	2.07	4.97		2.35	7.04	.66

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GRUM DATABASE - QUIZ REPORT

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ODH	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %						DTHR	*	CPY	NORMATIVE MINERALS - VOLUME %						OTHER
				GA	SP	PO	PY	BAR	GA				SP	PO	PY	BAR			
FAGA013	5210	4K7	.58	1.52	1.30	9.44	44.52			42.65	*	.51	.75	1.20	7.56	32.82		57.17	
	9C117	4G4	.46	9.35	12.52					77.66	*								
	9C118	4G4	.55	8.83	8.23					82.39	*								
	9C119	4E0	.61	5.81	6.26					87.32	*								
	9C120	4E0	.43	1.73	2.83					95.00	*								
	9C121	4E4	.58	6.06	8.05					85.31	*								
	9C122	4K0	.23	1.44	.24					98.09	*								
	90123	4K0	.58	1.88	1.34					96.20	*								
	9C124	5A0	.09	1.04	2.98					95.89	*								
	5211	4E4	.38	3.53	7.59	4.07	39.35			45.07	*	.32	1.71	6.87	3.21	28.51		59.38	
	5212	4A0	.20	.90	2.46	3.13	9.68			83.63	*	.14	.36	1.82	2.01	5.72		89.95	
	5213	4A0	.32	.94	2.30	3.26	10.69			82.51	*	.23	.37	1.71	2.10	6.36		89.23	

DRILL HOLE : FAGA013
NORTHING : 904,776.5
EASTING : 592,358.7
ELEVATION : 1,277.1
TOTAL DEPTH : 186.0
SECTION : W 68
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 12
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 24
NOS DOWN-H-STRUCTURE: 63
NOS DOWN-H-FAULTS: 9
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

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CRE SAMPLES & ASSAYS (DHC20)

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DDH: FAGA013 UTM-N: 904,776.5 UTM-E: 592,358.7 UTM-ELEV: 1,277.1 TOTAL DEPTH: 186.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	ASSAYS				S.G. W.R.
FROM	TO												PO %	PY %	TCT FE	BAC %	
40.8	44.0	05210	3.2	3.2	4K7	3.70	.20	1.32	.87	34.00		.27	6	20	26		
44.0	48.3	9C117	4.3	4.3	4G4		.16	8.10	8.40		107.00	1.27					
48.3	52.3	9C118	4.0	4.0	4G4		.19	7.65	5.52		92.60	1.71					
54.9	59.0	9C119	4.1	4.1	4E0		.21	5.03	4.20		91.90	.69					
59.0	60.1	9C120	1.1	1.1	4E0		.15	1.50	1.90		29.50	.17					
60.1	61.6	9C121	1.5	1.5	4E4		.20	5.25	5.40		71.30	1.37					
61.6	64.2	9C122	2.6	2.6	4K0		.08	1.25	.16		33.90	1.02					
64.2	66.8	9C123	2.6	2.6	4K0		.20	1.63	.90		53.50	.69					
121.3	123.1	9C124	1.8	1.8	5A0		.03	.90	2.00		24.70	.34					
123.1	124.9	05211	1.8	1.8	4E4	3.70	.13	3.06	5.09	68.00		.55	2	18	20		
130.1	133.2	05212	3.1	3.1	4A0	3.01	.07	.78	1.65	12.00		.34	1	4	6		
133.2	136.6	05213	3.4	3.4	4A0	2.99	.11	.81	1.54	14.00		.34	2	4	7		
WEIGHTED AVERAGE																	
40.8	52.3		11.5	11.5		1.02	.18	6.05	5.30	9.46	72.21	1.14	1	5	7		
54.9	66.8		11.9	11.9			.17	3.16	2.53		62.47	.79					
121.3	124.9		3.6	3.6		1.85	.08	1.98	3.54	34.00	12.35	.44	1	9	10		
130.1	136.6		6.5	6.5		2.99	.09	.79	1.59	13.04		.34	2	4	6		

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DOWN-HOLE SURVEYS (DHO2G)

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DDH: FAGA013 UTM-N: 904,776.5 UTM-E: 592,358.7 UTM-ELEV: 1,277.1 TOTAL DEPTH: 186.0 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
48.800	176.800	54.000
109.700	170.800	88.000
164.600	167.600	93.000

21FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

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DDH: FAGA013 UTM-N: 904,776.5 UTM-E: 592,358.7 UTM-ELEV: 1,277.1 TOTAL DEPTH: 186.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
32.3	OC01	#		0.5-	1
35.4	OC02	5B6		0.5-	1
40.8	OC03	4L3	FROM 5B	0.5-	1
44.0	OC04	4K71	a BXA	0.5-	1
52.3	OC05	4G4	BXA NO CORE	0.5-	1
53.6	OC06	5B6	C MINOR	0.5-	1
55.3	OC07	4LC	83 BXA [5CD4*]	0.5-	1
58.8	OC08	4EC	(4E4) E.O.I. NO CORE	0.5-	1
61.6	OC09	4KC	DUCTILE BXA NO CORE	0.5-	1
66.8	OC10	4KC	(5B GOUGE) T.C.I. DUCTILE BXA	0.5-	1
70.6	OC11	5B6		0.5-	1
75.3	OC12	5DC	a (5B0)	0.5-	1
87.8	OC13	5B80	(500)	0.5-	1
93.9	OC14	5DC	a	0.5-	1
103.5	OC15	5B20	-> (5B26) E.O.I. 4C:60	0.5-	1
106.7	OC16	5AC	(4A30) 8C:20	0.5-	1
118.6	OC17	5B20		0.5-	1
123.3	OC18	5AC		0.5-	1
124.9	OC19	4E4		0.5-	1
130.1	OC20	5B0	a	0.5-	1
150.6	OC21	4AC		0.5-	1
158.2	OC22	5B20	-> (5A0) GOUGE	0.5-	1
171.3	OC23	5DC		0.5-	1
186.2	OC24	5BC	->(5B0a)E.O.I.(5DC)75:25:MINOR	0.5-	1

DDH: FAGA013 UTM-N: 904,776.5 UTM-E: 592,358.7 UTM-ELEV: 1,277.1 TOTAL DEPTH: 186.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SO	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGAC13	0.0	32.3	CS2			0	C	0	G	60	230	C	1	1	1			1
FAGAC13	0.0	36.6	CS2			0	0	0	C	70	230	C	1	1	1			1
FAGAC13	32.3	40.7	CS2	S		0	0	0	C	0	0	0	1	1	1			1
FAGAC13	0.0	41.1	PS2			0	0	0	C	60	230	C	1	1	1			1
FAGAC13	40.7	44.0	PS2	P		0	0	0	0	0	0	C	1	1	1			1
FAGAC13	0.0	52.7				0	0	0	C	35	230	C	1	1	1			1
FAGAC13	52.3	55.3	PS2	P		C	0	0	C	0	0	G	1	1	1			1
FAGAC13	0.0	65.2	PS2			0	0	0	C	55	230	0	1	1	1			1
FAGAC13	0.0	70.1	PS2			0	0	0	G	70	230	C	1	1	1			1
FAGAC13	61.6	72.6	PS2	P		0	0	0	C	0	0	0	1	1	1			1
FAGAC13	0.0	74.7	CS2			0	0	0	0	65	230	C	1	1	1			1
FAGAC13	0.0	79.2	CS2			0	0	0	0	68	230	C	1	1	1			1
FAGAC13	72.6	81.2	CS2	S		0	0	0	C	0	0	C	1	1	1			1
FAGAC13	0.0	81.8	PS2			0	0	0	0	54	230	0	1	1	1			1
FAGAC13	0.0	82.6	CS2			0	0	0	0	68	230	C	1	1	1			1
FAGAC13	0.0	83.2	PS2			0	0	0	C	60	230	C	1	1	1			1
FAGAC13	0.0	83.6	PS2			0	0	0	C	80	230	C	1	1	1			1
FAGAC13	0.0	83.9	PS2			0	0	0	0	89	230	0	1	1	1			1
FAGAC13	0.0	84.4	PS2			0	0	0	C	70	230	C	1	1	1			1
FAGAC13	0.0	84.6	PS2			0	0	0	C	74	230	C	1	1	1			1
FAGAC13	0.0	85.0	CS2			0	0	0	0	69	230	C	1	1	1			1
FAGAC13	0.0	85.2	CS2			0	0	0	C	80	230	C	1	1	1			1
FAGAC13	0.0	86.1	PS2			0	0	0	C	63	230	0	1	1	1			1
FAGAC13	0.0	87.8	PS2			0	0	0	0	56	230	0	1	1	1			1
FAGAC13	81.2	87.9	PS2	P		0	0	0	C	0	C	0	1	1	1			1
FAGAC13	0.0	88.2	CS2			0	0	0	0	68	230	C	1	1	1			1
FAGAC13	0.0	92.4	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC13	87.9	92.5	CS2	S		0	0	0	0	0	0	0	1	1	1			1
FAGAC13	0.0	94.0	CS2			0	0	0	C	55	230	C	1	1	1			1
FAGAC13	0.0	96.9	CS2			0	0	0	0	68	230	0	1	1	1			1
FAGAC13	92.5	98.5	CS2	D		0	0	0	C	0	0	C	1	1	1			1
FAGAC13	0.0	101.4	CS2			0	0	0	C	70	230	0	1	1	1			1
FAGAC13	0.0	105.8	CS2			0	0	0	C	68	230	0	1	1	1			1
FAGAC13	98.5	108.4	CS2	Z		0	0	0	C	0	0	C	1	1	1			1
FAGAC13	108.4	109.1	CS2	S		0	0	0	C	0	0	0	1	1	1			1
FAGAC13	0.0	110.2	CS2			0	0	0	0	50	230	C	1	1	1			1
FAGAC13	0.0	111.9	CS2			0	0	0	C	64	230	C	1	1	1			1
FAGAC13	109.1	111.9	CS2	Z		0	0	0	0	0	0	C	1	1	1			1
FAGAC13	0.0	115.0	CS2			0	0	0	C	60	230	C	1	1	1			1
FAGAC13	0.0	118.0	CS2			0	0	0	C	70	230	C	1	1	1			1
FAGAC13	111.9	122.2	CS2	S		0	0	0	C	0	0	C	1	1	1			1
FAGAC13	122.2	125.0	PS2	P		0	0	0	C	0	0	C	1	1	1			1
FAGAC13	0.0	125.2	PS2			0	0	0	0	52	230	C	1	1	1			1
FAGAC13	125.0	129.5	PS2	P		0	0	0	C	0	C	C	1	1	1			1
FAGAC13	0.0	129.7	CS2			0	0	0	C	50	230	C	1	1	1			1
FAGAC13	0.0	134.5	CS2			0	C	C	0	70	230	C	1	1	1			1
FAGAC13	0.0	138.7	CS2			0	0	0	C	68	230	C	1	1	1			1
FAGAC13	0.0	143.2	CS2			0	0	0	C	74	230	C	1	1	1			1
FAGAC13	0.0	148.0	CS2			0	0	0	C	89	230	C	1	1	1			1
FAGAC13	129.5	150.6	CS2	S		0	0	0	C	0	0	C	1	1	1			1
FAGAC13	0.0	153.8	CS2			0	0	0	C	50	230	C	1	1	1			1

21FEB84 GRUM

DOWN-HOLE STRUCTURE (DHO20)

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DDH: FAGA013 UTM-N: 904,776.5 UTM-E: 592,358.7 UTM-ELEV: 1,277.1 TOTAL DEPTH: 186.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	S0 ANGLE	DIRECT	S1 ANGLE	DIRECT	S2 ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGA013	0.0	158.5	PS2		0	0	0	C	51	230	C		1	1	1
FAGAC13	150.6	162.5	PS2	P	0	0	0	C	0	0	0		1	1	1
FAGAC13	0.0	163.1	CS2		0	0	0	G	59	230	0		1	1	1
FAGAC13	162.5	164.6	CS2	Z	0	0	0	0	0	0	0		1	1	1
FAGA013	0.0	169.2	CS2		0	0	0	0	55	230	C		1	1	1
FAGAC13	164.6	170.4	CS2	S	0	0	0	0	0	0	C		1	1	1
FAGAC13	0.0	173.7	PS2		0	0	0	C	54	230	C		1	1	1
FAGA013	170.4	178.2	PS2	P	0	0	0	C	0	0	C		1	1	1
FAGA013	0.0	178.4	CS2		0	0	0	G	58	230	0		1	1	1
FAGA013	178.2	181.4	CS2	S	0	0	0	G	0	0	C		1	1	1
FAGAC13	0.0	183.5	PS2		0	0	0	C	52	230	C		1	1	1
FAGAC13	181.4	186.2	PS2	P	0	0	0	C	0	0	0		1	1	1

DDH: FAGA013 UTM-N: 904,776.5 UTM-E: 592,358.7 UTM-ELEV: 1,277.1 TOTAL DEPTH: 186.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT REC CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD
FAGAG13	40.8	44.0	XD?		C	0	0	1
FAGAG13	44.0	52.2	NNN		C	0	0	1
FAGAG13	44.0	52.2	XD?		0	0	0	1
FAGAG13	53.6	55.3	XG		0	0	0	1
FAGAG13	55.3	58.8	1XD		0	0	0	1
FAGAG13	55.3	61.5	NNN		0	0	0	1
FAGAG13	58.8	66.7	XD?		C	0	0	1
FAGAG13	91.3	92.3	J		C	0	0	1
FAGAG13	150.5	158.1	SXG		0	0	0	1

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DOWN-HOLE SPLINES (DHO20)

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DDH: FAGA013 UTM-N: 904,776.5 UTM-E: 592,358.7 UTM-ELEV: 1,277.1 TOTAL DEPTH: 186.0 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA013	1	2
FAGA013	2	2
FAGA013	3	2
FAGA013	4	1

**THIS REPORT WAS REQUESTED BY: LEEP .GEOLOGY AT: 11:31:11

DDH	SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
		FROM	TO															
FAGA013	5210	40.8	44.0	3.2	100	4K7	3.70	.20	1.32	.87	34.0	.27	6.00	20.70		2.19	26.70	.40
	90117	44.0	48.3	4.3	100	4G4		.16	8.10	8.40	107.0	1.27				16.50		.51
	90118	48.3	52.3	4.0	100	4G4		.19	7.65	5.52	92.6	1.71				13.17		.42
	90119	54.9	59.0	4.1	100	4E0		.21	5.03	4.20	91.9	.69				9.23		.46
	90120	59.0	60.1	1.1	100	4E0		.15	1.50	1.90	29.5	.17				3.40		.56
	90121	60.1	61.6	1.5	100	4E4		.20	5.25	5.40	71.3	1.37				10.65		.51
	90122	61.6	64.2	2.6	100	4K0		.08	1.25	.16	33.9	1.02				1.41		.11
	90123	64.2	66.8	2.6	100	4K0		.20	1.63	.90	53.5	.69				2.53		.36
	90124	121.3	123.1	1.8	100	5AC		.03	.90	2.00	24.7	.34				2.90		.69
	5211	123.1	124.9	1.8	100	4E4	3.70	.13	3.06	5.09	68.0	.55	2.59	18.30		8.15	20.89	.62
	5212	130.1	133.2	3.1	100	4A0	3.01	.07	.78	1.65	12.0	.34	1.99	4.50		2.43	6.49	.68
	5213	133.2	136.6	3.4	100	4A0	2.99	.11	.81	1.54	14.0	.34	2.07	4.97		2.35	7.04	.66

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GRUM DATABASE - QUIZ REPORT

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DDH	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %						OTHER	*	CPY	NORMATIVE MINERALS - VOLUME %						OTHER
				GA	SP	PO	PY	BAR	GA				SP	PC	PY	BAR			
FAGA013	5210	4K7	.58	1.52	1.30	9.44	44.52		42.65	*	.51	.75	1.20	7.56	32.82		57.17		
	9C117	4G4	.46	9.35	12.52				77.66	*									
	9C118	4G4	.55	8.83	8.23				82.39	*									
	9C119	4E0	.61	5.81	6.26				87.32	*									
	9C120	4E0	.43	1.73	2.83				95.00	*									
	9C121	4E4	.58	6.06	8.05				85.31	*									
	9C122	4K0	.23	1.44	.24				98.09	*									
	9C123	4K0	.58	1.88	1.34				96.20	*									
	9C124	5A0	.09	1.04	2.98				95.89	*									
	5211	4E4	.38	3.53	7.59	4.07	39.35		45.07	*	.32	1.71	6.87	3.21	28.51		59.38		
	5212	4A0	.20	.90	2.46	3.13	9.68		83.63	*	.14	.36	1.82	2.01	5.72		89.95		
	5213	4A0	.32	.94	2.30	3.26	10.69		82.51	*	.23	.37	1.71	2.10	6.36		89.23		

CYPRUS ANVIL MINING CORPORATION

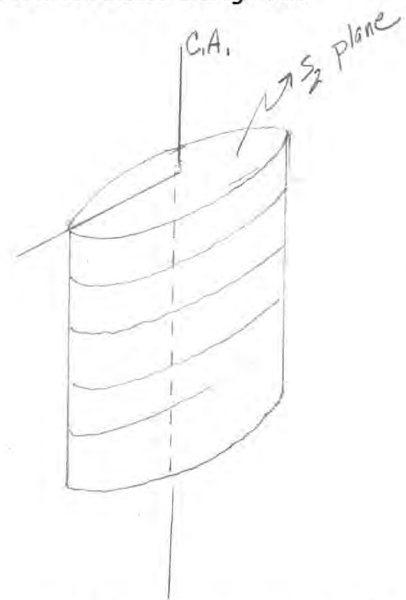
DIAMOND DRILL CORE LOG

Hole Number: 74-A013

Fabric Orientation Diagram:

Project: GRUM RELOG

Location: VANGORDA PLATEAU



Claim: GRUM 3 (CENTRAL)

UTM
1979 HiW
D. K. K. K. to
Survey

Terr. Plane Co-ords.: 6904776.49 N

592358.70 E

Grid Co-ords.: 68W/48 BH (00N)

All symmetry determinations looking

NW with S₂ dipping

SW with dip azimuth 230.

Elevation: 1277.08 m

Total Depth: 186.23 m

Purpose: _____

Re
Logged by: JSM

Date(s) Logged: May 30 - June 2 1980

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

HW 0 31

BW 31 106

BQ 106 611 (EOH)

Started: 6/14/74

Completed: 6/19/74

FEET

DDH 74-A.D.13
2 8

Cyprus Anvil Mining Corp.

Page 3 of 6

Lithologic Log

Logged By: JSM

Code	From		To		Unit		Code	Description
	10	14	16	20	22	23		
L	100	100	106	100	11			0B
L	106	100	116	100	12	5B	6	minor py
L	116	100	134	100	13	4L	3	altered 5B, minor py, distinctive hematite laminae
L	134	100	144	105	14	4K	7	ankeritic, bxia w/ quartzite frags + mass. sfds, ps @ 139, white clay alteration @ 144
L	144	105	171	105	15	4G	10	no core remaining, 4G? 4D6? massive sulfide breccia - sph, gal, py, apy, + barite, banded, acc. to Kerr Addison
L	171	105	176	100	16	5B	6	minor CO ₂
L	176	100	181	105	17	4L	10	bxia + altered zone w/ OGD, Fe-oxide, talc, gouge, green malposite
L	181	105	202	100	18	4E	4	no core remaining
L	202	100	219	100	19	4K	4	5B + gouge @ TOI, bxia of ankerite + py, banded ank + py, minor gal
L	219	100	231	116	10	5B	6	oxidized (ground H ₂ O?); gradational lower etc.
L	231	116	247	100	11	5D	3	buff ankerite; interbedd w/ 5B @ 242'
L	247	100	288	100	12	5B	10	0.5' interbeds of 5D3 @ 257' + 268'; gradational w/ 5D3 269'-282'
L	260	101	308	102	13	5D	3	cc + ankerite; fractured + iron stained 299'-303'
L	308	102	339	106	14	5B	2	loses CO ₂ @ 320'
L	339	106	350	100	15	5A	3	→ 4A3 (finely dissemin py) @ 345-347'
L	350	100	389	100	16	5B	2	
L	389	100	404	105	17	5A	10	
L	404	105	409	107	18	4E	4	schalenite } locally contains 5-20% sphal, py, gal acc. to Kerr A.
L	409	107	427	100	19	5B	10	ankerite } broken + sampled now.
L	427	100	494	100	20	4A	3	py
L	494	100	519	100	21	5B	2	shear bxia of calcareous frags + gouge @ TOI, - 5A + gouge from 508-509,
L	519	100	562	100	22	5D	3	
L	562	100	617	100	23	5B	10	becomes ankeritic @ 593'; contains interbeds of 5D (grad. upper etc)

Structural Log

Code	From		To		Feature	SYM	S ₁		S ₂		Description
	10	14 16	20	22 24 26 28			Dip	Direct.	Dip	Direct.	
											0-106 0/B
S			110.6	0	C.S.2			6.0	2.3.0		S region 106.0-133.5'
S			121.0	0	C.S.2			7.0	2.3.0		
S			133.5		F.2.S						R region 133.5-144.5'
S			135.0		P.S.2			6.0	2.3.0		
S			144.5		F.2.R						
											No core 144.5-171.5
S			173.0					3.5	2.3.0		P region 171.5-181.5'
S			181.5		F.2.P						
											No core 181.5-202.0
S			214.0		P.S.2			5.5	2.3.0		R region 202.0-238.3'
S			231.0		P.S.2			7.0	2.3.0		- w/ minor S sym @ 235'
S			238.3		F.2.R						S region 238.3-266.4'
S			245.0		C.S.2			6.5	2.3.0		- w/ minor Z sym @ 243, 255'
S			261.0		C.S.2			6.8	2.3.0		
S			266.4		F.2.S						R region 266.4-288.4'
S			268.5		P.S.2			5.4	2.3.0		this is a mixed interval beginning +
S			271.0		C.S.2			6.8	2.3.0		ending w/ S ₂ //S ₁ //S ₀ . The interval
S			273.0		P.S.2			6.0	2.3.0		contains scattered S, Z, + m sym.
S			274.2		P.S.2			8.0	2.3.0		C.S ₂ 's. The inclination of S ₂ to
S			275.2		P.S.2			8.9	2.3.0		C.A. fluctuates
S			277.0		P.S.2			7.0	2.3.0		
S			277.4		P.S.2			7.4	2.3.0		
S			278.9		C.S.2			6.9	2.3.0		
S			279.0		C.S.2			8.0	2.3.0		
S			282.6		P.S.2			6.3	2.3.0		
S			288.0		P.S.2			5.6	2.3.0		
S			288.5		F.2.R						S region 288.5-303.4'
S			289.3		C.S.2			6.8	2.3.0		- "D" sym @ 292'
S			303.1		C.S.2			7.0	2.3.0		
S			303.4		F.2.S						D region 303.4-323.0'
S			308.5		C.S.2			5.5	2.3.0		
S			318.0		C.S.2			6.8	2.3.0		
S			323.0		F.2.D						Z region 323.0-355.5'
S			332.6		C.S.2			7.0	2.3.0		- sym. determinations difficult
S			347.0		C.S.2			6.8	2.3.0		

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

colin checked 9.12.76

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 13 PAGE 1 of 3

LATITUDE 10 56.8 - 32N 0700 PL BEARING OF HOLE

Circle	160'	360'	540'
--------	------	------	------

STARTED June 14/74

DEPARTURE 7 659.52 E 6.8 WY DIP OF HOLE

90°	57°20'	78°20'	91°20'
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COMPLETED June 19/74

ELEVATION 4183' A.S.L. DIP TESTS

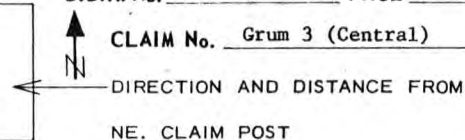
57°	81°20'	77°50'
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DEPTH Ultimate: 611'

(1257.64m)

HOLE SIZE: 0 - 31 HW; 31 - 106 BW;

(186.23m)



CLAIM No. Grum 3 (Central)

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	106	Overburden															
106	116	Grey sericite mica phyllite with buff laminae and veins of ankerite? and quartz (to 6" thick). Minor blebs of fine grained pyrite and galena. F ₁ high angles to F ₂ .															
116	133.5	Pale creamy bleached sericite phyllite. Minor pyrite galena and sphalerite in foliation. Note buff ankerite veins.															
133.5	145.5	Breccia composed of cream colored altered quartzo-feldspathic material, cemented by pyrite and lesser sphalerite, galena, chalcopryrite and pyrrhotite. Sulphides are banded for first 2' of section with crystals of white barite. Core angle of banded sulphides is 50°.	2601		133.5	145.5	12	1.25	.62	.76	.01	.21					
145.5	171.5	MASSIVE SULPHIDE BRECCIA. Rich in spalerite, galena, pyrite, chalcopryrite and barite. Fragments of pyrite and banded sphalerite rich sulphides, cemented by sphalerite rich massive sulphides. Minor green chlorite in creamy quartzo-feldspathic gouge.	2602		145.5	158.5	13	8.10	8.40	3.12	.04	.16					
			2603		158.5	171.5	13	7.65	5.52	2.70	.05	.19					
					145.5	171.5	26.0	7.87	6.96	2.91	wr. Au.						
171.5	181.5	Pale grey sericite rich phyllite. Weakly mineralized with laminae of buff ankerite in foliation. Locally rich in green mariposite.	18.5		171.5	180.0											
181.5	193	MASSIVE PYRITIC SULPHIDE. Locally brecciated; rich in pyrite, red sphalerite and galena.															
193	219	Breccia of cream quartzo-feldspathic fragments (1-2") cemented by pyrite and galena with lesser sphalerite. Some fragments of sulphide indicate that it was also brecciated. Note 6" recovered between 197 - 202'.	2604		180	193.5	13.5	5.03	4.20	2.68	.02	.21	67.91	56.70	36.10		
			2605			197	3.5	1.50	1.90	.80	.005	.15	5.25	6.25	2.8		
			2606			202	5	5.25	5.40	2.08	.04	.20	26.25	27.00	10.4		
			2607			210.5	8.5	1.25	.16	.99	.03	.08					
			2608			219	8.5	1.63	.90	1.56	.02	.20					

(11.75m)

plot

plot

plot

plot

DDH: FAGA013 -- 42 DEGREE PROFILE

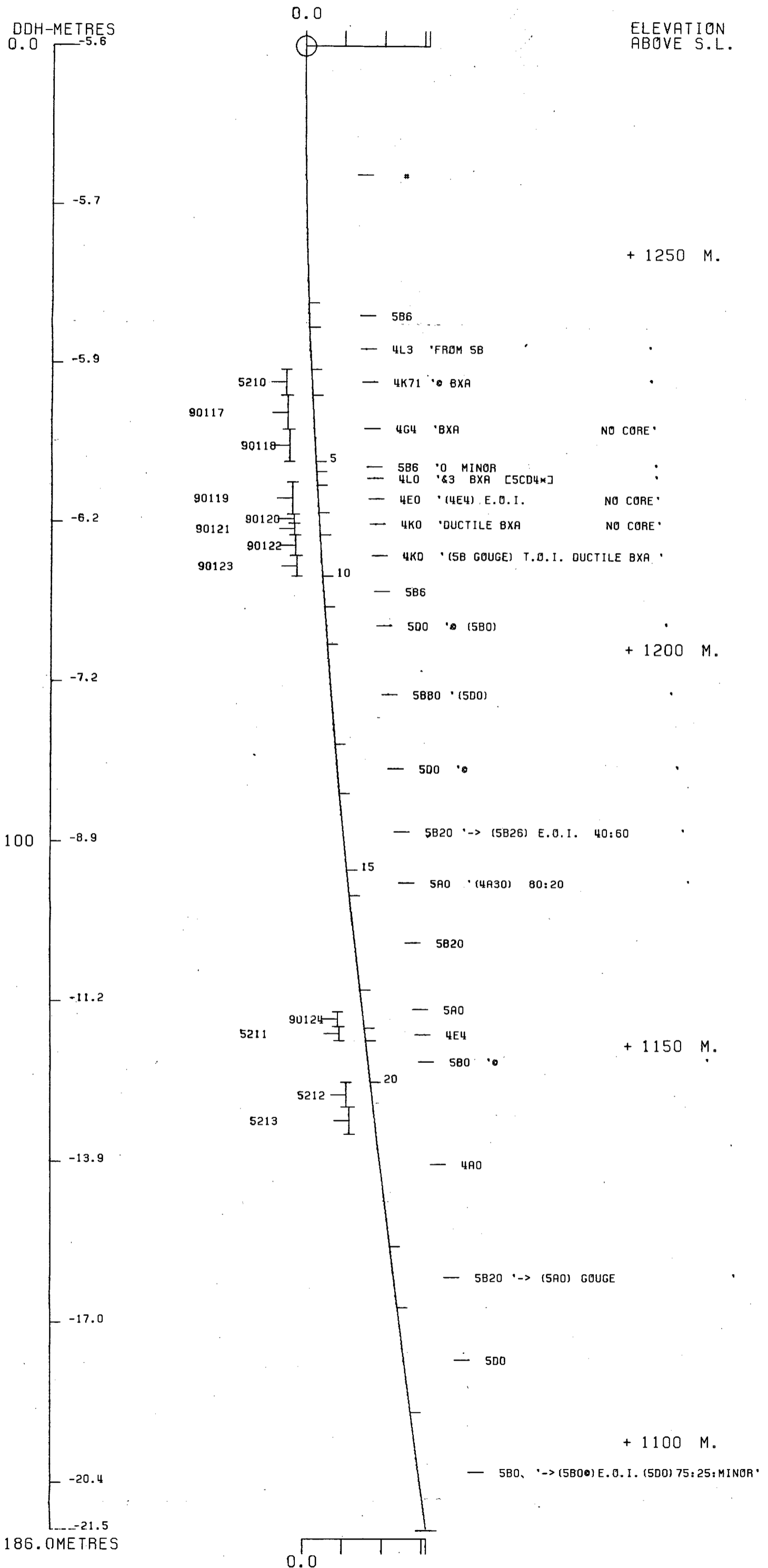
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1277 592359E ; 904777N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

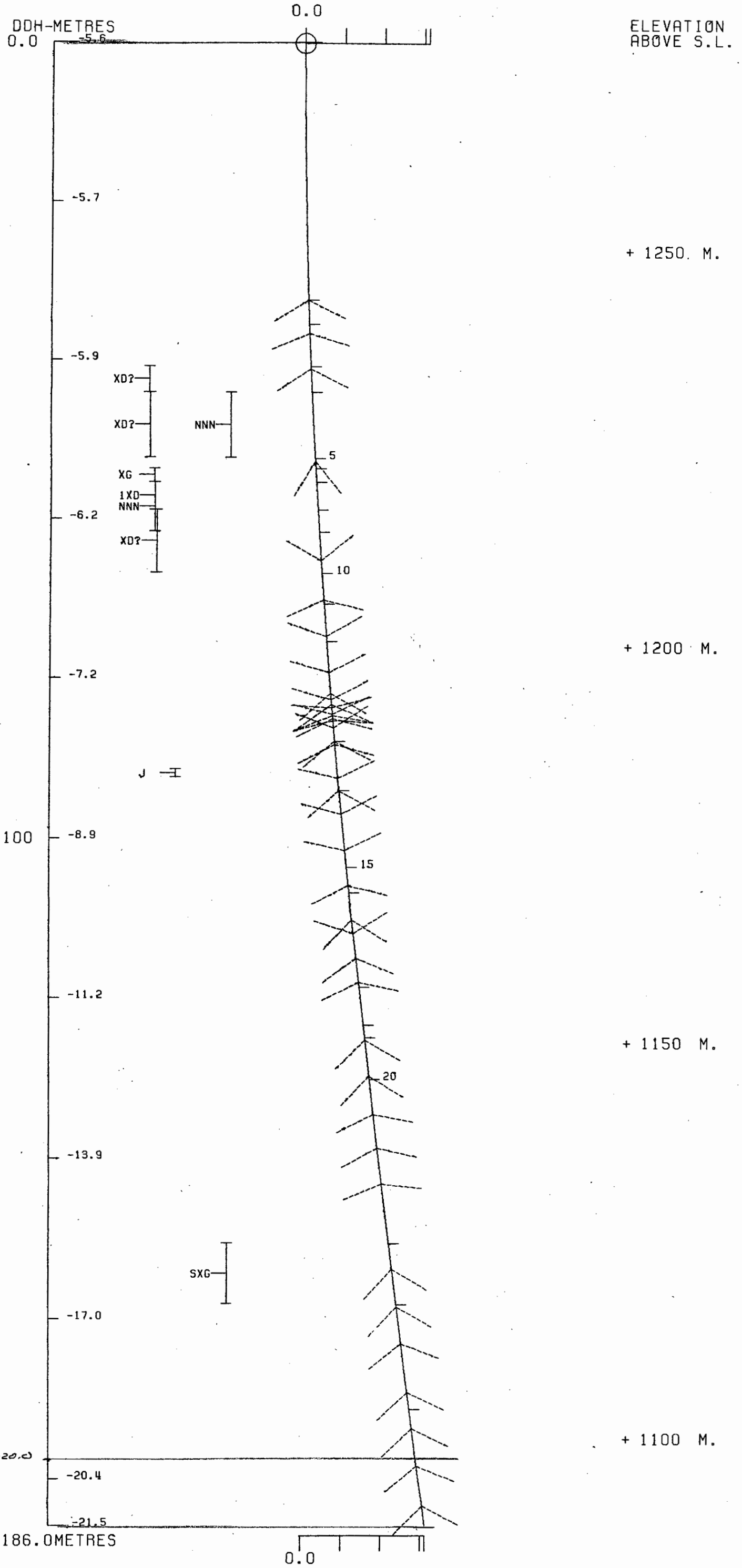
CORRECTED COLLAR POSITION: X = 375.5 Z = 1276.0

SECTION NAME: 68W



DDH: FAGA013 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV:1277 592359E ; 904777N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 375.5 Z = 1276.0
 SECTION NAME: 68W



74 A017

DDM	SAMPLE	----DEPTMS----		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
		FROM	TO															
FAGAG17	5201	210.0	213.4	3.4		4H0	3.86	.50	1.86	1.51	28.0	.21	28.75	8.00		3.37	36.75	.45
	5202	216.7	221.6	4.9		4H0	3.63	.28	1.80	1.78	27.0	.48	16.36	10.40		3.58	26.76	.50
	5203	227.1	225.5	2.4		4C37	3.75	.21	1.58	1.35	27.0	.41	16.22	12.90		2.93	29.12	.46
	90125	232.0	235.0	3.0	100	4E71		.30	2.00	1.58	34.3	.17				3.58		.44
	90126	235.0	237.1	2.1	100	4E71		.22	.30	.30	11.0	.34				.60		.50
	90127	237.1	235.0	1.9	100	4G4		.23	6.38	7.92	87.8	1.02				14.30		.55
	5204	239.9	243.4	3.5		4K6	3.29	.09	1.14	.94	17.0	.34	10.32	7.60		2.08	17.92	.45
	5205	243.4	246.3	2.9		4K6	4.81	.16	1.26	2.07	21.0	.55	6.03	11.70		3.33	17.73	.62
	5206	246.3	245.5	3.2		4K6	3.32	.15	.99	1.17	16.0	.55	2.97	16.50		2.16	19.47	.54
	5207	249.5	252.5	3.0		4K6	3.74	.24	1.96	1.75	32.0	1.03	5.86	19.50		3.71	25.36	.47
	5208	252.5	253.9	1.4		4K6	3.64	.25	1.42	1.05	22.0	.82	7.98	20.80		2.47	28.78	.43
	5209	259.4	261.5	2.1		4K0	3.86	.47	1.46	.79	26.0	1.03	14.20	18.40		2.25	32.60	.35

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

84/10/16

GRUM DATABASE - QUIZ REPORT

PAGE 2

DCH	SAMPLE	---DEPTHS---		INT M	REC X	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
		FROM	TO															
FAGAG17	5201	210.0	213.4	3.4		4H0	3.86	.50	1.86	1.51	28.0	.21	28.75	8.00		3.37	36.75	.45
	5202	216.7	221.6	4.9		4H0	3.63	.28	1.80	1.78	27.0	.48	16.36	10.40		3.58	26.76	.50
	5203	227.1	229.5	2.4		4C37	3.75	.21	1.58	1.35	27.0	.41	16.22	12.90		2.93	29.12	.46
	9C125	232.0	235.0	3.0	100	4E71		.30	2.00	1.58	34.3	.17				3.58		.44
	90126	235.0	237.1	2.1	100	4E71		.22	.30	.30	11.0	.34				.60		.50
	9C127	237.1	239.0	1.9	100	4G4		.23	6.38	7.92	87.8	1.02				14.30		.55
	5204	239.9	243.4	3.5		4K6	3.29	.09	1.14	.94	17.0	.34	10.32	7.60		2.08	17.92	.45
	5205	243.4	246.3	2.9		4K6	4.81	.16	1.26	2.07	21.0	.55	6.03	11.70		3.33	17.73	.62
	5206	246.3	249.5	3.2		4K6	3.32	.15	.99	1.17	16.0	.55	2.97	16.50		2.16	19.47	.54
	5207	249.5	252.5	3.0		4K6	3.74	.24	1.96	1.75	32.0	1.03	5.86	19.50		3.71	25.36	.47
	5208	252.5	253.9	1.4		4K6	3.64	.25	1.42	1.05	22.0	.82	7.98	20.80		2.47	28.78	.43
	5209	259.4	261.5	2.1		4K0	3.86	.47	1.46	.79	26.0	1.03	14.20	18.40		2.25	32.60	.35

DCH	SAMPLE	ROCK UNIT	NCRMATIVE MINERALS - WEIGHT X							OTHER *	NORMATIVE MINERALS - VOLUME X						
			CPY	GA	SP	PO	PY	BAR	CPY		GA	SP	PO	PY	BAR	OTHER	
FAGA017	5201	4H0	1.44	2.15	2.25	45.22	17.20		31.74	*	1.32	1.10	2.16	37.80	13.23		44.38
	5202	4H0	.81	2.08	2.65	25.73	22.37		46.36	*	.69	.99	2.36	19.93	15.94		60.09
	5203	4C37	.61	1.82	2.01	25.51	27.74		42.31	*	.53	.89	1.84	20.26	20.27		56.21
	90125	4E71	.87	2.31	2.36				94.47	*							
	90126	4E71	.64	.35	.45				98.57	*							
	90127	4G4	.66	7.37	11.81				80.16	*							
	5204	4K6	.26	1.32	1.40	16.23	16.34		64.45	*	-.20	-.57	1.14	11.45	10.61		76.04
	5205	4K6	.46	1.46	3.09	9.48	25.16		60.35	*	-.37	-.64	2.56	6.85	16.71		72.87
	5206	4K6	.43	1.14	1.74	4.67	35.48		56.52	*	-.35	-.52	1.49	3.46	24.17		70.01
	5207	4K6	.69	2.26	2.61	9.22	41.93		43.28	*	-.61	1.11	2.39	7.35	30.78		57.76
	5208	4K6	.72	1.64	1.57	12.55	46.73		38.79	*	-.65	-.82	1.47	10.27	33.68		53.11
	5209	4K0	1.36	1.69	1.18	22.33	39.57		33.88	*	1.25	.87	1.14	18.72	30.52		47.51

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

DETAIL RECORD COUNTS:

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

21FEB84 GRUM

CRE SAMPLES & ASSAYS (DHG20)

PAGE: 71

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

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	ASSAYS										S.G. W.R.	
FROM	TO										AL(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %			
210.0	213.4	05201	3.4	.0	4H0	3.86	.50	1.86	1.51	28.00	30.00	.21	28	8	36							
216.7	221.6	05202	4.9	.0	4H0	3.63	.28	1.80	1.78	27.00		.48	16	10	26							
227.1	229.5	05203	2.4	.0	4C37	3.75	.21	1.58	1.35	27.00		.41	16	12	29							
232.0	235.0	9C125	3.0	3.0	4E71		.30	2.00	1.58		34.30	.17										
235.0	237.1	9C126	2.1	2.1	4E71		.22	.30	.30		11.00	.34										
237.1	239.0	9C127	1.9	1.9	4G4		.23	6.38	7.92		87.80	1.02										
239.9	243.4	05204	3.5	.0	4K6	3.29	.09	1.14	.94	17.00		.34	10	7	17							
243.4	246.3	05205	2.9	.0	4K6	4.81	.16	1.26	2.07	21.00		.55	6	11	17							
246.3	249.5	05206	3.2	.0	4K6	3.32	.15	.99	1.17	16.00		.55	2	16	19							
249.5	252.5	05207	3.0	.0	4K6	3.74	.24	1.96	1.75	32.00		1.03	5	19	25							
252.5	253.9	05208	1.4	.0	4K6	3.64	.25	1.42	1.05	22.00		.82	7	20	28							
259.4	261.5	05209	2.1	.0	4K0	3.86	.47	1.46	.79	26.00		1.03	14	18	32							
WEIGHTED AVERAGE																						
210.0	213.4		3.4	.0		3.86	.50	1.86	1.51	28.00	30.00	.21	28	8	36							
216.7	221.6		4.9	.0		3.63	.28	1.80	1.78	27.00		.48	16	10	26							
227.1	229.5		2.4	.0		3.75	.21	1.58	1.35	27.00		.41	16	12	29							
232.0	239.0		7.0	7.0			.25	2.67	2.91		41.83	.45										
239.9	253.9		14.0	.0		3.74	.16	1.33	1.41	21.31		.62	6	14	20							
259.4	261.5		2.1	.0		3.86	.47	1.46	.79	26.00		1.03	14	18	32							

21FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2G)

PAGE: 72

DDH: FAGAC17 UTM-N: 934,691.1 UTM-E: 592,269.0 UTM-ELEV: 1,273.9 TCTAL DEPTH: 283.2 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
61.600	175.000	111.500
122.500	172.000	71.900
163.500	168.000	60.500
244.500	163.000	59.500

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

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
8.2	OCC1	#		0.5-	1
10.5	OCC2	5DC		0.5-	1
42.1	OCC3	5B20	(5D0) VERY MINOR	0.5-	1
46.3	OCC4	5DC	(5B86) VERY MINOR	0.5-	1
53.0	OCC5	5B0		0.5-	1
55.9	OCC6	5DC	(5C3) T.O.I.	0.5-	1
61.3	OCC7	5B80		0.5-	1
61.7	OCC8	5DC		0.5-	1
70.1	OCC9	5B0	&a	0.5-	1
74.0	OC10	5DC	&a MINOR (5B20) 85:15	0.5-	1
83.2	OC11	5B20	GOUGE T.O.I.	0.5-	1
84.4	OC12	5DC		0.5-	1
108.5	OC13	5B20		0.5-	1
123.4	OC14	5AC		0.5-	1
161.7	OC15	5B20	(5D0) VERY MINOR	0.5-	1
173.2	OC16	5AC		0.5-	1
181.7	OC17	5B0	-> 5B20 E.O.I.	0.5-	1
206.0	OC18	5B20	(5A0) C.O.I.	0.5-	1
210.0	OC19	5B0		0.5-	1
213.2	OC20	4HC		0.5-	1
214.0	OC21	4L7		0.5-	1
216.7	OC22	4A7		0.5-	1
221.6	OC23	4HC		0.5-	1
227.1	OC24	5B6	(5B2)	0.5-	1
227.2	OC25	4LC		0.5-	1
229.5	OC26	4C37	[4E17]	0.5-	1
232.0	OC27	5B6	(5B26) E.O.I. 60:40	0.5-	1
237.7	OC28	4E70	1	0.5-	1
239.0	OC29	4G0	NO CORE	0.5-	1
239.9	OC30	4L0	NO CORE	0.5-	1
253.9	OC31	4K6	&B VERY MINOR	0.5-	1
259.4	OC32	5B26		0.5-	1
261.5	OC33	4KC		0.5-	1
283.2	OC34	5AC		0.5-	1

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

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SG	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGAC17	0.0	11.3	CS2			0	0	0	0	60	230	C	1	1	1			1
FAGAC17	0.0	16.2	CS2			0	0	0	0	54	230	C	1	1	1			1
FAGAC17	0.0	20.6	CS2			0	0	0	0	65	230	C	1	1	1			1
FAGA017	0.0	25.1	CS2			0	0	0	0	72	230	C	1	1	1			1
FAGAC17	0.0	29.9	CS2			0	0	0	0	89	230	C	1	1	1			1
FAGAC17	0.0	33.8	CS2			0	0	0	0	78	230	0	1	1	1			1
FAGAC17	0.0	38.3	CS2			0	0	0	0	80	230	C	1	1	1			1
FAGAC17	0.0	42.7	CS2			0	0	0	0	74	230	C	1	1	1			1
FAGA017	8.2	45.1	CS2	S		0	0	0	0	0	0	C	1	1	1			1
FAGAC17	0.0	46.8	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	0.0	51.2	CS2			0	0	0	0	75	230	C	1	1	1			1
FAGA017	45.1	53.0	CS2	M		0	0	0	0	0	0	C	1	1	1			1
FAGAC17	0.0	57.6	CS2			0	0	0	0	76	230	C	1	1	1			1
FAGAC17	0.0	62.2	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	0.0	67.1	CS2			0	0	0	0	60	230	C	1	1	1			1
FAGA017	0.0	71.6	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	0.0	76.2	CS2			0	0	0	0	55	230	C	1	1	1			1
FAGAC17	53.0	77.4	CS2	S		0	0	0	0	0	0	C	1	1	1			1
FAGAC17	0.0	80.8	CS2			0	0	0	0	76	230	C	1	1	1			1
FAGAC17	0.0	85.3	CS2			0	0	0	0	75	230	C	1	1	1			1
FAGAC17	0.0	89.9	CS2			0	0	0	0	68	230	0	1	1	1			1
FAGAC17	0.0	94.6	CS2			0	0	0	0	72	230	0	1	1	1			1
FAGAC17	0.0	99.0	CS2			0	0	0	0	67	230	C	1	1	1			1
FAGAC17	0.0	103.6	CS2			0	0	0	0	77	230	C	1	1	1			1
FAGAC17	0.0	107.1	CS2			0	0	0	0	72	230	0	1	1	1			1
FAGAC17	77.4	108.6	CS2	M		0	0	0	0	0	0	C	1	1	1			1
FAGAC17	0.0	111.9	PS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	0.0	116.7	PS2			0	0	0	0	73	230	0	1	1	1			1
FAGA017	0.0	121.3	PS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	108.6	123.4	PS2	P		0	0	0	0	0	0	C	1	1	1			1
FAGAC17	0.0	125.3	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	0.0	129.8	CS2			0	0	0	0	70	230	0	1	1	1			1
FAGAC17	0.0	134.3	CS2			0	0	0	0	75	230	0	1	1	1			1
FAGAC17	123.4	138.6	CS2	Z		0	0	0	0	0	0	C	1	1	1			1
FAGAC17	0.0	138.7	CS2			0	0	0	0	70	230	0	1	1	1			1
FAGA017	0.0	142.0	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	138.6	143.0	CS2	S		0	0	0	0	0	0	C	1	1	1			1
FAGA017	0.0	146.6	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	0.0	151.0	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGA017	0.0	155.0	CS2			0	0	0	0	62	230	0	1	1	1			1
FAGAC17	0.0	161.2	CS2			0	0	0	0	60	230	C	1	1	1			1
FAGAC17	0.0	166.1	CS2			0	0	0	0	62	230	C	1	1	1			1
FAGAC17	143.0	167.2	CS2	M		0	0	0	0	0	0	C	1	1	1			1
FAGAC17	0.0	170.7	CS2			0	0	0	0	59	230	C	1	1	1			1
FAGAC17	0.0	174.7	CS2			0	0	0	0	50	230	C	1	1	1			1
FAGA017	0.0	179.1	CS2			0	0	0	0	55	230	C	1	1	1			1
FAGAC17	0.0	183.4	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	0.0	190.0	CS2			0	0	0	0	65	230	0	1	1	1			1
FAGAC17	0.0	194.5	CS2			0	0	0	0	66	230	C	1	1	1			1
FAGAC17	0.0	199.0	CS2			0	0	0	0	70	230	C	1	1	1			1
FAGAC17	0.0	201.0	CS2			0	0	0	0	67	230	C	1	1	1			1

21FEB84 GRUM

DOWN-HOLE STRUCTURE (DHO20)

PAGE: 75

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

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SO	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGAC17	0.C	203.3	CS2			0	0	0	C		53	230	C			1	1	1
FAGAC17	0.C	206.8	CS2			C	0	0	C		75	230	C			1	1	1
FAGAC17	0.C	208.5	CS2			C	0	0	C		75	230	C			1	1	1
FAGAC17	0.C	209.2	CS2			0	0	C	C		80	230	C			1	1	1
FAGAC17	167.2	210.0	CS2	S		0	0	C	C		0	0	C			1	1	1
FAGAC17	0.C	222.2	PS2			C	0	C	C		65	230	C			1	1	1
FAGAC17	0.C	226.6	PS2			C	0	C	C		49	230	C			1	1	1
FAGAC17	210.C	229.5	PS2	P		C	0	C	C		0	C	C			1	1	1
FAGAC17	0.C	231.0	CS2			0	0	C	C		70	230	C			1	1	1
FAGAC17	229.5	232.0	CS2	Z		0	0	C	C		0	0	C			1	1	1
FAGAC17	0.C	239.3	PS2			0	C	C	C		72	230	C			1	1	1
FAGAC17	0.C	255.0	PS2			0	C	C	C		76	230	C			1	1	1
FAGAC17	0.C	262.6	PS2			0	0	C	C		70	230	C			1	1	1
FAGAC17	0.C	267.3	PS2			C	0	C	C		70	230	C			1	1	1
FAGAC17	0.C	275.2	PS2			0	C	C	C		79	230	C			1	1	1
FAGAC17	0.C	279.8	PS2			0	0	C	C		52	230	C			1	1	1
FAGAC17	232.C	283.2	PS2	P		C	0	C	C		0	0	C			1	1	1

21FEB84 GRUM

DOWN-HOLE FAULTS (DHC20)

PAGE: 76

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

DDH	F DEPTH	T DEPTH	FEAT	REC	CC	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGAC17	9.7	10.5	BP		2		0	0	C	C	0	0	1
FAGAC17	0.0	52.1	1XQ				0	0	C	C	0	0	1
FAGAC17	74.0	76.4	GP				0	0	C	C	0	0	1
FAGAC17	0.0	161.6	SGB				0	0	C	C	0	0	1
FAGAC17	161.6	163.8	SGP				0	0	C	C	0	0	1
FAGAC17	0.0	165.8	BGP				0	0	C	C	0	0	1
FAGAC17	175.2	176.0	Q				0	0	C	C	0	0	1
FAGAC17	186.8	189.5	BQ				0	0	C	C	0	0	1
FAGAC17	231.9	238.9	NNN				0	0	C	C	0	0	1

21FEB84 GRUM

DOWN-HOLE SPLINES (DHO20)

PAGE: 77

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

DDH SEGMENT NOS COND INDICATOR

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

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 74-A017

Project: Grum Releg

Location: Vangorda Plateau

Claim: # Grum 3

Terr. Plane Co-ords.: 6904691.12 N

592268.99 E

Grid Co-ords.: 68W/4S

Elevation: 1243.9

Total Depth: 929.0' (283.20 m)

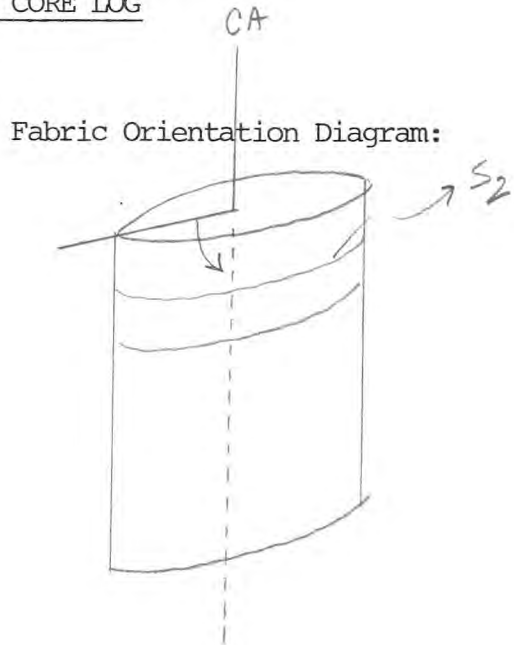
Purpose: _____

Logged by: JSM Date(s) Logged: June 3-8 1980

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



Core	Size	From	To	Collar Cased and Capped
<u>RA</u>	<u>27</u>	<u>929'</u>		
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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



All symmetry determinations looking NW with S₂ dipping SW with dip azimuth 230.

1979 HTW
Orthophoto
Survey

Code	From		To		Unit		Code	Description
	10	14	16	20	22 23	25 27		
L		100		1270		1		O/B + glacial till (qtzite + igneous boulders)
L		1270		1345		2	5D13	At TOI 6" coarse grained qtz vein at 70° to CA  At EOI 6" recov. for 2 1/2', broken
L		1270		1380		3	5B12	Frequent thin (1/2") qtz + carbonate veins, two 6" qtz + carb veins, two interbeds (6"-1') of 5D3, minor 1/2" py + po blebs, minor py laminae fracture-fill + local bxia fill; Phyllite becomes less calcareous below ~90'. Small qtz boudins; variable carbon content.
L		1380		1520		4	5D16	Only v. minor CO ₃ ²⁻ , mottled texture in middle + end of interval. 2" qtz vein @ etc of mottled w/ normal. Included in this interval is ~1ft of 5BD (chloritic + thick bands )
L		1520		1740		5	5B10	carbon + py rich @ 161, autobxia + cc veined @ 171, 6" OQO @ EOI
L		1740		1835		6	5D13	mottled texture, becomes massive-laminar toward EOI; 3" OQO @ end.
L		1835		2010		7	5B1D	this interval has the massive laminated texture of 5D but has phyllitic sheen + gray color of 5B. Strongly calcareous, interrupted by OQO up to 6" (5B0)
L		2010		2025		8	5D13	massive-laminar, typical 5D-green, strongly calcareous.
L		2025		2300		9	5B10	Strongly calcareous, locally ankeritic. Minor carbon content, steep irregular cc fracture fillings, minor py on fractures.
L		2300		2428		10	5D13	weak to strong calcareous, minor ankerite, green to buff massive to massive-laminated, OQO // S ₂ , interbed of 5B2 238.0' to 239.5' and again @ 241.0 - 241.5
L		2428		2730		11	5B12	Top 8ft = gouge: calcareous, graphitic, poor recovery. variable carbon content; strongly calcareous; py blebs + dissem, fine py in siliceous layers. cc filled steep, tensional fractures (S ₄ ?). Black 1/2" blebs of graphitic phyllite in siliceous sections; "boudin-like."
L		2730		2770		12	5D13	Massive-banded, qtz + carbonate bands,
L		2730		3560		13	5B12	wide bands, dissem py, po blebs. Same as unit 11.
L		3560		4047		14	5A13	minor py + po, dissem. + blebs up to 2", some broken rec.
L		4047		5305		15	5B12	strongly calcareous, variable carbon, carbonate-filled tension fractures; shear zone @ EOI? (broken, gauged, 6" qtz + carb. OQO vein.) Same as 11 + 13.

Lithologic Log

Code	From	To	Unit	Code	Description	
1	10	14	16	20	22 23 25 27	
						some more massive sections; One thin interbed of SD ~ 413'
L	5,305	5,603	16	5A,3		Top 7' = broken, gouged, poor recovery, + again @ 544; fine py; 6" fractured Qtz + carb. vein @ 566'.
L	5,603	5,960	17	5B,0		275-277.5 atz + carb vein w/ mariposite developed in the included phyllite, gradational increase in carbon content to lower etc. Py + po: dissem, laminae, blebs + veinlets.
L	5,960	6,760	18	5B,2		gradational upper etc, broken fractured + Qtz-veined 613-622'. → 5A in middle of interval. Py + po dissem, blebs, laminae + veinlets.
L	6,760	6,890	19	5B,0		slight white mica development, py + po following S ₁ and S ₂ , minor galena
L	6,890	6,995	20	4H,7		po → py, minor (<5%) galena + red sphal, some Qtzite banding, patches + veins of late cpy, some sericite,
L	6,995	7,020	21	4L,7		minor cpy, sphal, gal
L	7,020	7,110	22	4A,7		minor cpy
L	7,110	7,270	23	4H,7		po > py, minor galena + orange sphal, late cpy + carbonate, banding of sulfides w/ Qtz + sericite gangue, 6" 4L7 @ 722'.
L	7,270	7,450	24	5B,6		(5B2) Qtz + carb veins up to 6", minor po + py + sericite
L	7,450	7,452	25	4L,0		
L	7,452	7,530	26	4C,7		banded py + Qtzite, minor po, gal, sphal, sericite, late cpy
L	7,530	7,610	27	5B,6		fairly strong sericite development to 758 then 5B2 also non- calcareous, minor py + po. Qtz + carbonate veins Assoc w/ arsenopyrite xls → 3/4"
L	7,610	7,840	28	4C,6		? No core remaining (met test?) 761-780 4E70 780-784 4G0
L	7,840	7,870	29	4L,0		
L	7,870	8,330	30	4K,4		(b) minor sphal + gal + barite; v. minor cpy + mat(833); banding in Qtz carb + sericite gangue.
L	8,330	8,510	31	5B,2		(b) only weakly calcareous
L	8,510	8,580	32	4K,4		very minor red sphalerite
L	8,580	9,290	33	5A,3		py + po blebs up to 1"; irregular calcite veining; S ₂ mostly // S ₁ ; S ₂ shallow to horizontal

Code	From		To		Feature	S ₁ Dip Direct.	S ₂ Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S				127								O/B
S				137	0	C/S	2		6.0	2.3	0	S region 27.0-148.0
S				153	0	C/S	2		5.4	2.3	0	P sym 48-70'
S				167	5	C/S	2		6.5	2.3	0	R sym 84.5-90'
S				182	5	C/S	2		7.2	2.3	0	
S				198	0	C/S	2		8.9	2.3	0	
S				211	10	C/S	2		7.8	2.3	0	
S				225	5	C/S	2		8.0	2.3	0	
S				240	0	C/S	2		7.4	2.3	0	
S				248	0	F/Z	S					M region 148.0-274.0
S				253	5	C/S	2		7.0	2.3	0	
S				268	0	C/S	2		7.5	2.3	0	
S				274	0	F/Z	M					S region 274.0-254.0
S				289	0	C/S	2		7.6	2.3	0	R sym to 202.5 SD
S				294	0	C/S	2		7.0	2.3	0	Z sym 215.5-220.5
S				300	0	C/S	2		6.0	2.3	0	R sym 230.0-236.0 SD
S				315	0	C/S	2		7.0	2.3	0	D sym 241.0-242.0
S				320	0	C/S	2		5.5	2.3	0	
S				324	0	F/Z	S					M region 254.0-356.2
S				335	0	C/S	2		7.6	2.3	0	50% each S+Z
S				340	0	C/S	2		7.5	2.3	0	afew scattered D+R
S				345	0	C/S	2		6.8	2.3	0	
S				351	5	C/S	2		7.2	2.3	0	
S				358	8	C/S	2		6.7	2.3	0	
S				367	0	C/S	2		7.7	2.3	0	
S				372	5	C/S	2		7.2	2.3	0	
S				386	2	F/Z	M					R region 356.2-404.7 SA3
S				397	0	P/S	2		7.0	2.3	0	
S				403	0	P/S	2		7.3	2.3	0	
S				418	0	P/S	2		7.0	2.3	0	
S				424	7	F/Z	R					Z region 404.7-454.7
S				431	0	C/S	2		7.0	2.3	0	scattered P,S+M sym
S				436	0	C/S	2		7.0	2.3	0	
S				440	5	C/S	2		7.5	2.3	0	
S				454	7	F/Z	3					S region 454.7-
S				455	0	C/S	2		7.0	2.3	0	


3
2/3

DIAMOND DRILL RECORD

 LOGGED BY Stanley Reamsbottom

 D.D.H. No. A - 17 PAGE 2 of 4

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


 CLAIM No. _____
 DIRECTION AND DISTANCE FROM
 NE. CLAIM POST

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

DIAMOND

PROPERTY _____
 LATITUDE _____
 DEPARTURE _____
 ELEVATION _____

00'1
00'2
00'3
00'4
00'5
00'6
00'7
00'8
00'9
00'0

PROPOSED BY Stanley Reamsbottom

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

STARTED _____

COMPLETED _____

DEPTH Proposed: _____
 Ultimate: _____



CLAIM No. _____

DIRECTION AND DISTANCE FROM _____

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay				Assay x Feet			
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		sphalerite, Chalcopyrite, 70-80% Sulphide.	8/8	2651	720	728	8	1.70	1.42	.76	.005	.24	24.96	76.27	67.26
728	745	BLACK, Striped, GRAPHITIC PHYLITE. Quartz veins. Minor pyrite.	8/8	2652	745	753	8	1.88	1.18	.92	.005	.17			
745	753	MASSIVE PYRITIC SULPHIDE. Sericite phyllite gangue. 70% sulphide. Mineralogy: pyrite, pyrrhotite, galena, minor sphalerite, chalcopyrite in late veins. Core angle - 754' = 62°	8/8	2652	745	753	8	1.88	1.18	.92	.005	.17			
753	761	DARK GREY, BLACK GRAPHITIC PHYLITE; Note quartz veins with arsenopyrite crystals (3/4")	8/8	2652	745	753	8	1.88	1.18	.92	.005	.17			
761	784	MASSIVE SULPHIDE. 70-80% Sulphide. Banded pyrite, pyrrhotite with less galena, sphalerite, chalcopyrite in late veins. Note 780-784 more orange sphalerite and white barite. Gangue mainly brecciated sericite phyllite. Core angle: 762' = 67°; 770' = 77°; 782' = 65°	10/10	2653	761	771	10	2.00	1.58	1.00	.005	.30			
			7/7	2654	771	778	7	.30	.30	.32	.01	.22	38.28	47.52	44.36
			6/6	2655	778	784	6	6.38	7.92	2.56	.03	.23			
784	787	PALE BLEACHED QUARTZ SERICITE PHYLITE	1/2	2656	784	786									
787	844.5	BANDED MASSIVE OR DISSEMINATED PYRITE SULPHIDE (80% sulphide) Mineralized sericite phyllite (to 800') with massive pyritic sulphide in 1' bands (60% min) Local breccia zones (745-798). Barite in fractures. Min. silic. black grey phyllite (80% sulphide) with bands of sericite phyllite (818-828'). Locally brecciated. Sulphides: pyrite, pyrrhotite, galena, red-orange sphalerite, minor chalcopyrite. Note blebs of black magnetite (843')	65/65	2656	786	792.5	6.5	1.03	.65	.48	.005	.10	8.25	4.86	3.6
			45/45	2657	792.5	797	4.5	1.83	1.08	.80	.005	.10	15.920	25.2	6.6
			5/5	2658	797	802	5.0	3.15	5.04	1.32	.04	.21			
			5/5	2659	802	807	5.0	.25	.16	.14	.005	.17			
			5/5	2660	807	812	5.0	.50	.66	.18	.005	.13			
			4.8/5	2661	812	817	5.0	.98	1.52	.52	.02	.22			
			5/5	2662	817	822	5.0	.28	.12	.52	.005	.24			
			5/5	2663	822	827	5.0	2.50	1.84	1.40	.02	.23			
			5/5	2663	822	827	5.0	1.85	1.26	.80	.005	.28			
			4.7/5	2664	827	832	5.0	1.20	.51	.68	.01	.30			
			5/5	2665	832	837	5.0	1.20	.51	.68	.01	.30			
			5/5	2666	837	842	5.0	1.43	.66	.68	.01	.33			
844.5	929	BLACK GRAPHITIC PHYLITE. Very fine grained with less quartz-	45/45	2667	842	846.5	4.5	1.30	.61	.58	.005	.25			

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY _____

LATITUDE _____

BEARING OF HOLE _____

STARTED _____

DEPARTURE _____

DIP OF HOLE _____

COMPLETED _____

ELEVATION _____

DIP TESTS _____

Proposed:
DEPTH Ultimate: _____

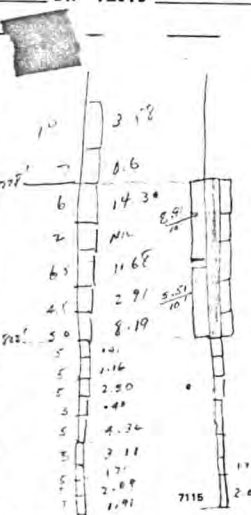
D.D.H. No. A - 17 PAGE 3 of 4

CLAIM No. _____

DIRECTION AND DISTANCE FROM _____

NE. CLAIM POST _____

FOOTAGE		
FROM	TO	
		sphalerit
728	745	BLACK, St
745	753	MASSIVE P Mineralog chalcopyr Core angl
753	761	DARK GREY arsenopyr
761	784	MASSIVE S with less 780-784 m mainly br Core angl
784	787	PALE BLEA
787	844.5	BANDED MA Mineralize sulphide } Barite in fractures. Min. silic. black grey phyllite (745-798). sulphide) with bands of sericite phyllite (818-828'), Locally brecciated. Sulphides: pyrite, pyrrhotite, galena, red-orange sphalerite, minor chalcopyrite. Note blebs of black magnetite (843')
844.5	929	BLACK GRAPHITIC PHYLITE. Very fine grained with less quartz-



Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
		From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
	8/8	2651	720-728	8	1.70	1.42	.76	.005	.24	24.96	70.2	
			710-728	18.0	3.18	2.52				87.20	70.2	
	8/8	2652	745-753	8	1.88	1.18	.92	.005	.17			
	7/8		753-761									
	10/10	2653	761-771	10	2.00	1.58	1.00	.005	.30			
	7/7	2654	771-778	7	.30	.30	.32	.01	.22			
	6/6	2655	778-784	6	6.38	7.92	2.56	.03	.23	38.28	47.52	15.36
	12	2656	784-786									
	65/65	2656	786-792.5	6.5	1.03	.65	.48	.005	.10			
	45/45	2657	792.5-797	4.5	1.83	1.08	.80	.005	.10	8.25	4.16	3.6
	5/5	2658	797-802	5.0	3.15	5.04	1.32	.04	.21	15.90	25.2	6.6
	5/5	2659	802-807	5.0	.25	.16	.14	.005	.17			
	5/5	2660	807-812	5.0	.50	.66	.18	.005	.13			
	4.8/5	2661	812-817	5.0	.98	1.52	.52	.02	.22			
	5/5	2662	817-822	5.0	.28	1.12	.52	.005	.24			
	5/5	2663	822-827	5.0	2.50	1.84	1.40	.02	.23			
	4.7/5	2664	827-832	5.0	1.85	1.26	.80	.005	.28			
	5/5	2665	832-837	5.0	1.20	.51	.68	.01	.30			
	5/5	2666	837-842	5.0	1.43	.66	.68	.01	.33			
	45/45	2667	842-846.5	4.5	1.30	.61	.58	.005	.25			

A-17



DDH: FAGA017 -- 42 DEGREE PROFILE

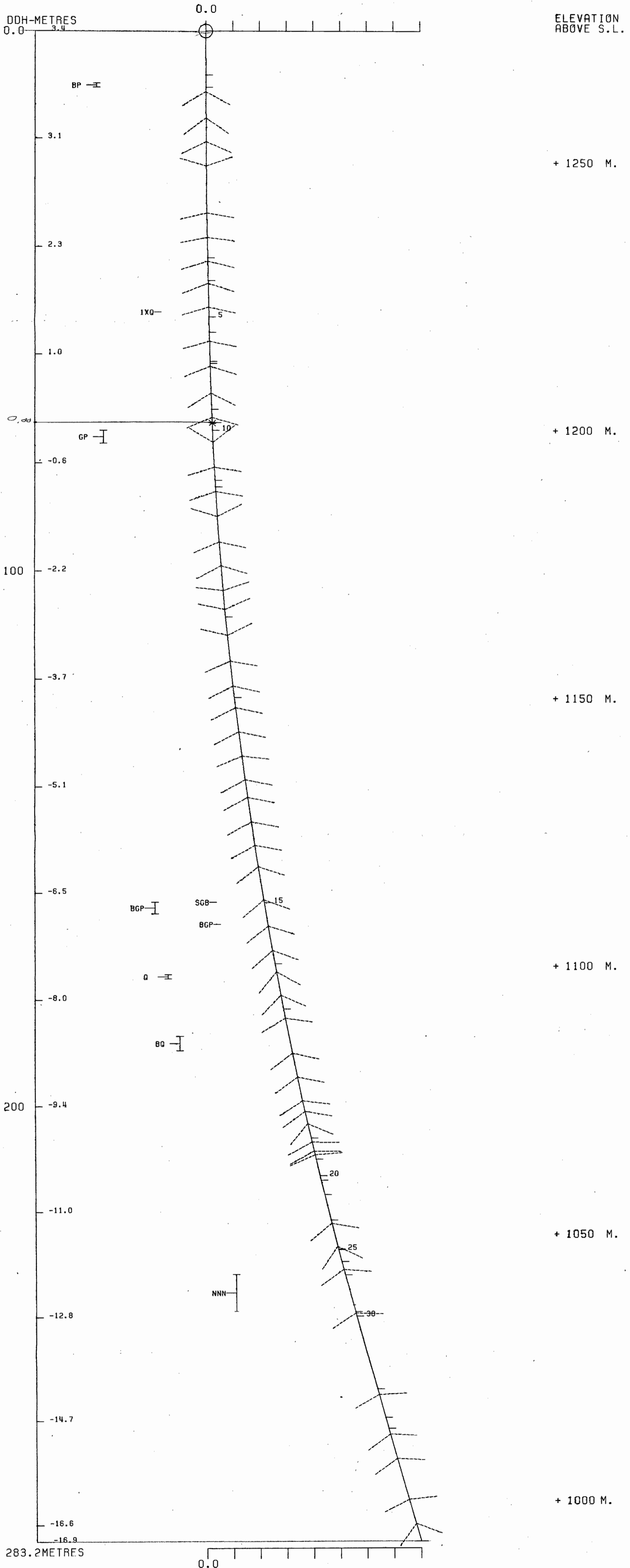
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1274 592269E ; 904691N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 252.0 Z = 1274.6

SECTION NAME: 68W



DDH: FAGA017 -- 42 DEGREE PROFILE

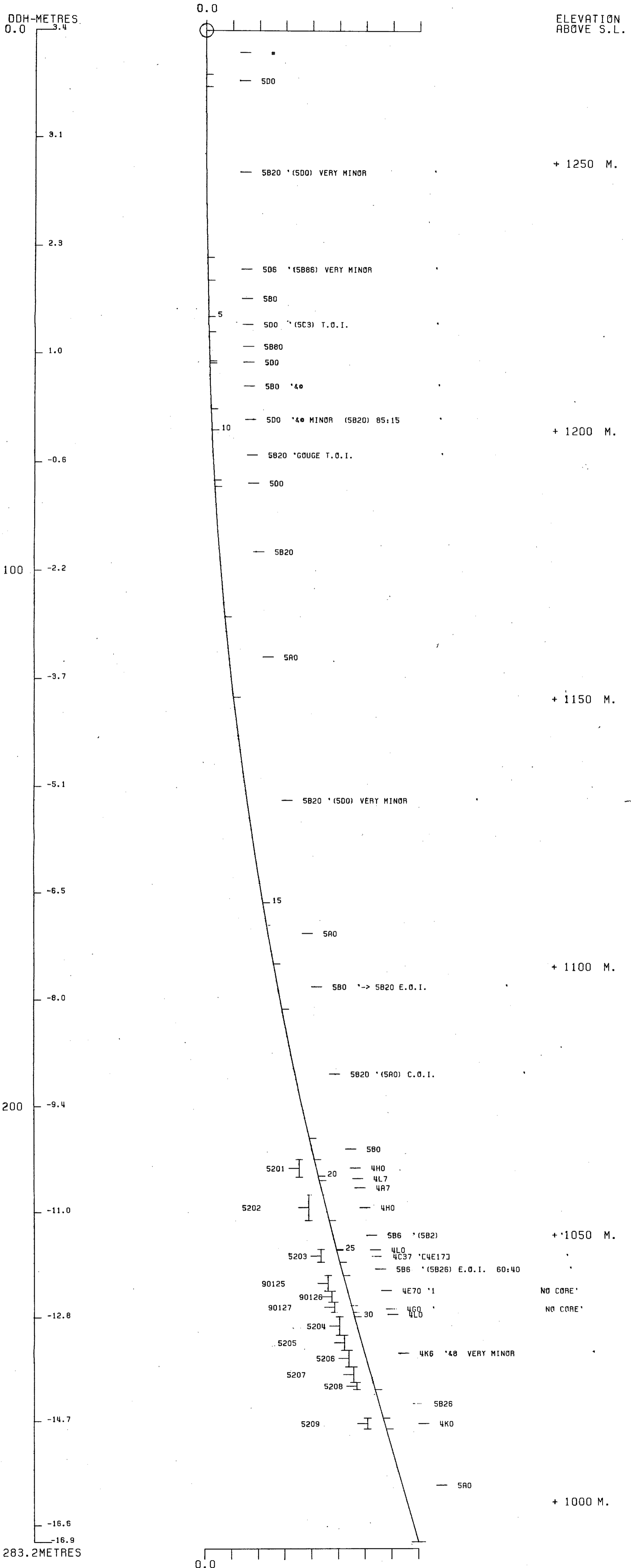
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1274 592269E ; 904691N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 252.0 Z = 1274.6

SECTION NAME: 68W



DDH	SAMPLE	---DEPTHS---	INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PO+PY	ZN
		FROM	TO	M	X	UNIT	X	X	X	G/MT	G/MT	X	X	X	X	X	RATIO
FAGA023	91074	78.0	75.9	1.9		4E4	4.51	.12	13.00	20.80	164.0	1.51	1.88	22.70	33.80	24.58	.62
	91075	79.9	83.1	3.2		4E4	4.99	.22	6.47	12.70	101.0	1.71	1.52	31.00	19.17	32.52	.66
	91076	83.1	84.9	1.8		4A0	3.53	.11	1.83	2.25	33.0	1.17	.78	21.30	4.08	22.08	.55
	91077	84.9	86.7	1.8		4A4	2.93	.06	2.67	4.50	37.0	.62	1.30	8.30	7.17	9.60	.63
	5051	86.7	88.5	1.8		4A0	2.98	.05	1.04	1.71	14.0	.34	1.70	6.50	2.75	8.20	.62
	5052	88.5	89.3	.8		4CD	3.18	.17	.44	.97	11.0	.27	4.94	7.10	1.41	12.04	.69
	5053	89.3	91.1	1.8		4A0	3.02	.06	1.13	2.30	16.0	.48	1.35	7.40	3.43	8.75	.67
	5054	91.1	93.0	1.9		4A0	2.94	.10	.70	1.43	15.0	.48	1.84	7.20	2.13	9.04	.67
	5055	93.0	94.8	1.8		4A0	2.98	.10	.45	1.08	4.0	.48	1.51	7.10	1.53	8.61	.71
	5056	94.8	96.6	1.8		4A0	2.94	.08	.53	1.24	14.0	.41	1.18	6.30	1.77	7.48	.70
	5057	96.6	98.1	1.5		4A0	2.97	.07	.52	.88	10.0	.34	.84	7.00	1.40	7.84	.63
	5058	98.1	99.7	1.6		4A0	3.04	.07	2.08	1.82	28.0	.48	.97	7.70	3.90	8.67	.47
	5059	99.7	100.9	1.2		4A4	3.41	.17	3.06	6.36	50.0	.75	1.66	13.40	9.42	15.06	.68
	5060	100.9	102.6	1.7		4E4	4.58	.19	6.04	10.66	94.0	1.71	1.39	26.40	16.70	27.79	.64
	5061	102.6	104.4	1.8		4E4	4.67	.26	5.96	11.80	104.0	.55	2.07	24.50	17.76	26.57	.66
	5062	104.4	104.9	.5		4L0	4.45	.18	5.44	10.40	102.0	.55	2.55	25.40	15.84	27.95	.66
	5063	104.9	105.5	.6		4E4	4.11	.15	5.86	12.97	86.0	1.03	2.69	24.60	18.83	27.29	.69
	5064	105.8	108.2	2.4		4G4	4.58	.01	2.64	7.45	51.0	.34	2.45	17.20	10.09	19.65	.74
	5065	108.2	108.7	.5		4EL	3.59	.05	2.83	11.71	43.0	.75	8.31	16.90	14.54	19.21	.81
	5066	110.9	112.7	1.8		4EGK	4.55	.07	2.72	4.96	47.0	.34	1.26	26.50	7.68	27.76	.65
	5067	114.9	116.4	1.5		4A4	4.01	.09	8.06	17.50	153.0	1.23	2.46	12.80	25.56	15.26	.68
	5068	116.4	118.0	1.6		4A4	3.74	.07	10.60	18.60	178.0	1.65	3.69	6.20	29.20	9.89	.64
	5069	118.0	119.2	1.2		4A4	3.44	.11	8.04	17.60	169.0	1.58	2.42	9.20	25.64	11.62	.69
	5070	119.2	119.8	.6		4L0	3.82	.03	7.52	17.70	100.0	.82	3.74	11.20	25.22	14.94	.70
	5071	119.8	121.3	1.5		4E4	3.83	.11	9.09	19.91	129.0	1.65	2.17	12.50	29.00	14.67	.69
	5072	121.3	122.8	1.5		4E4	4.16	.03	13.20	22.30	158.0	1.13	2.83	14.00	35.50	16.83	.63
	5073	122.8	124.7	1.9		4E4	4.25	.10	7.27	12.51	137.0	1.44	2.43	25.10	19.78	27.53	.63
	5074	124.7	126.5	1.8		4E4	4.06	.14	5.34	10.71	100.0	1.65	2.74	24.70	16.05	27.44	.67
	5075	126.5	128.0	1.5		4A3	3.09	.15	.24	1.30	12.0	.55	2.00	15.40	1.54	17.40	.84
	5076	128.0	129.5	1.5		4A3	3.07	.12	.44	1.03	12.0	.48	2.41	16.00	1.47	18.41	.70
	5077	129.5	131.1	1.6		4A3	3.45	.14	.21	1.21	14.0	.55	2.01	20.20	1.42	22.21	.85
	5078	131.1	132.6	1.5		4A4	3.28	.10	2.95	5.47	38.0	1.03	2.50	14.70	8.42	17.20	.65
	5079	132.6	134.3	1.7		4A4	3.12	.06	3.86	6.69	49.0	1.17	2.51	9.60	10.55	12.11	.63
	5080	134.3	135.8	1.5		4E4	4.02	.03	7.69	18.50	134.0	1.03	3.59	14.90	26.19	18.49	.71
	5081	135.8	137.5	1.7		4E4	4.07	.13	7.47	15.31	119.0	1.71	2.53	18.60	22.78	21.13	.67
	5082	137.5	139.3	1.8		4A4	3.30	.11	4.16	5.44	48.0	1.65	2.45	11.40	9.60	13.85	.57
	5083	139.3	141.2	1.9		4A3	3.39	.09	2.16	2.46	28.0	.96	1.71	17.10	4.62	18.81	.53
	5084	141.2	143.0	1.8		4A3	3.36	.13	.34	.67	10.0	.89	1.85	18.50	1.01	20.35	.66
	5085	143.0	144.6	1.6		4A3	2.97	.14	.41	.81	10.0	.55	2.82	18.90	1.22	21.72	.66
	5086	144.6	145.5	.9		4E14	3.76	.09	1.78	3.58	28.0	.62	4.27	23.00	5.36	27.27	.67
	5087	145.5	147.2	1.7		4A0	3.18	.14	.71	1.92	15.0	.75	1.84	15.50	2.63	17.34	.73
	5088	147.2	149.0	1.8		4A0	3.18	.11	.47	.94	14.0	.55	1.55	16.50	1.41	18.05	.67
	5089	149.0	150.9	1.9		4A0	2.94	.17	.23	.70	8.0	1.78	2.29	16.80	.93	19.09	.75
	5090	150.9	152.7	1.8		4A0	3.16	.14	.20	1.18	8.0	.48			1.38		.86
	5091	152.7	154.5	1.8		4A0	3.00	.29	.11	1.79	8.0	.41			1.90		.94
	5092	154.5	156.4	1.9		4A0	3.17	.18	.51	1.01	15.0	.48			1.52		.66
	5093	156.4	158.7	2.3		4A3	2.22	.40	.42	.35	13.0	.41	4.17	18.20	.77	22.37	.45
	5094	158.7	160.3	1.6		4C3	3.59	.53	.18	.37	14.0	.48	4.49	21.30	.55	25.79	.67
	5095	160.3	161.8	1.5		4C3	3.59	.35	1.23	2.78	30.0	.89	2.46	18.90	4.01	21.36	.69
	5096	161.8	163.4	1.6		4C3	4.31	.40	1.72	1.51	38.0	1.51	2.35	35.30	3.23	37.65	.47
	5097	163.4	165.4	2.0		4E0	4.12	.34	1.24	1.23	26.0	1.51	2.35	29.90	2.47	32.25	.50
	5098	165.4	167.4	2.0		4E1	3.77	.29	.61	.37	21.0	.96	4.30	25.50	.98	29.86	.38
	5099	167.4	168.9	1.5		4C3	3.61	.44	.10	.88	8.0	.75	5.40	20.20	.98	25.60	.90
	5100	168.9	170.1	1.2		4C3	3.37	.30	.06	.60	8.0	1.58			.66		.91
	5151	170.1	171.6	1.5		4A0	2.95	.15	.03	.50	3.0	.48	2.78	9.70	.53	12.48	.94

84/10/16

GRUM DATABASE - QUIZ REPORT

PAGE 4

DDH	SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
		FROM	TO															
FAGAC23	5152	171.6	173.4	1.8		4A3	3.34	.19	.16	.42	7.0	1.03	3.06	17.80		.58	20.86	.72
	5153	173.4	175.0	1.6		4E0	4.62	.32	1.39	2.09	31.0	1.85	1.68	37.30		3.48	38.98	.60
	5154	175.0	176.2	1.2		4E0	3.76	.09	1.20	1.53	18.0	1.10	4.75	27.30		2.73	32.05	.56
	9C134	221.9	224.3	2.4		4L0			.03	.03	2.1					.06		.50
	5155	235.6	237.4	1.8		4E14	3.34	.07	4.59	7.11	64.0	.21	5.90	8.30		11.70	14.20	.61
	5156	237.4	239.4	2.0		4L0	2.80	.04	.11	.22	3.0	.07	28.10	4.30		.33	32.40	.67
	5157	239.4	240.9	1.5		4E4	4.45	.27	3.24	4.08	55.0	1.58	4.87	26.80		7.32	31.67	.56
	5158	240.9	242.4	1.5		4E0	4.49	.40	1.74	1.50	33.0	1.37	7.09	29.80		3.24	36.89	.46
	5159	242.4	243.9	1.5		4E0	4.50	.42	2.76	1.75	38.0	1.23	9.04	29.20		4.51	38.24	.39
	5160	243.9	245.2	1.3		4E4	4.60	.21	2.36	3.18	42.0	1.03	6.55	31.50		5.54	38.05	.57
	9C135	245.2	246.9	1.7		4L0			.32	.76	5.1					1.08		.70
	5161	242.9	244.0	1.1		4A0	3.07	.17	.88	1.17	17.0	.41	4.70	10.60		2.05	15.30	.57
	5162	244.0	245.2	1.2		4H3	5.19	.27	.60	.35	19.0	.27	13.50	18.80		.95	32.30	.37
	5163	245.2	247.0	1.8		4A0	3.05	.22	.60	.69	14.0	.34	2.68	10.30		1.29	12.98	.53
	5164	275.3	277.2	1.9		4A0	3.37	.22	1.95	1.78	32.0	.82				3.73		.48
	5165	278.5	280.4	1.9		4A0	3.28	.16	.85	1.05	20.0	.27				1.90		.55

DDH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT %							*	NORMATIVE MINERALS - VOLUME %						
			CPY	GA	SP	PO	PY	BAR	OTHER		CPY	GA	SP	PO	PY	BAR	OTHER
FAG023	91074	4E4	.35	15.01	31.01	2.96	48.82		1.86	*	.39	9.57	37.06	3.07	46.67		3.23
	91075	4E4	.64	7.47	18.93	2.39	66.67		3.90	*	.72	4.71	22.38	2.46	63.03		6.71
	91076	4A0	.32	2.11	3.35	1.23	45.81		47.18	*	.27	1.01	3.02	.96	32.98		61.76
	91077	4A4	.17	3.08	6.71	2.04	17.85		70.14	*	.13	1.30	5.30	1.40	11.28		80.59
	5051	4A0	.14	1.20	2.55	2.67	13.98		79.45	*	.10	.48	1.93	1.76	8.45		87.29
	5052	4C0	.49	.51	1.45	7.77	15.27		74.52	*	.36	.21	1.12	5.22	9.43		83.67
	5053	4A0	.17	1.31	3.43	2.12	15.91		77.06	*	.13	.53	2.62	1.41	9.72		85.59
	5054	4A0	.29	.81	2.13	2.89	15.48		78.39	*	.21	.33	1.62	1.91	9.40		86.54
	5055	4A0	.29	.52	1.61	2.37	15.27		79.94	*	.21	.21	1.21	1.56	9.20		87.61
	5056	4A0	.23	.61	1.85	1.86	13.55		81.90	*	.16	.24	1.38	1.20	8.09		88.92
	5057	4A0	.20	.60	1.31	1.32	15.05		81.51	*	.14	.24	.98	.86	9.02		88.76
	5058	4A0	.20	2.40	2.71	1.53	16.56		76.60	*	.15	.98	2.08	1.02	10.18		85.59
	5059	4A4	.49	3.53	9.48	2.61	28.82		55.07	*	.40	1.61	8.09	1.94	19.66		68.31
	5060	4E4	.55	6.98	15.89	2.19	56.77		17.62	*	.56	4.00	17.07	2.04	48.79		27.54
	5061	4E4	.75	6.88	17.59	3.26	52.69		18.83	*	.76	3.89	18.64	3.00	44.67		29.03
	5062	4L0	.52	6.28	15.50	4.01	54.62		19.06	*	.53	3.55	16.45	3.70	46.36		29.41
	5063	4E4	.43	6.77	19.34	4.23	52.9C		16.33	*	.44	3.88	20.77	3.95	45.45		25.51
	5064	4G4	.03	3.05	11.11	3.85	36.99		44.97	*	.02	1.46	10.00	3.02	26.63		58.87
	5065	4EL	.14	3.27	17.46	13.07	23.44		42.62	*	.12	1.56	15.66	10.20	16.83		55.63
	5066	4EGK	.20	3.14	7.39	1.98	56.99		30.29	*	.19	1.66	7.35	1.71	45.30		43.78
	5067	4A4	.26	9.31	26.09	3.87	27.53		32.95	*	.24	4.75	24.94	3.22	21.05		45.81
	5068	4A4	.20	12.24	27.73	5.80	13.33		40.69	*	.18	5.97	25.36	4.61	9.75		54.13
	5069	4A4	.32	9.29	26.24	3.81	19.78		40.57	*	.28	4.52	23.93	3.02	14.44		53.82
	5070	4L0	.09	8.68	26.39	5.88	24.09		34.87	*	.08	4.36	24.84	4.82	18.14		47.76
	5071	4E4	.32	10.50	29.68	3.41	26.88		29.21	*	.30	5.46	28.95	2.89	20.97		41.43
	5072	4E4	.09	15.24	33.24	4.45	30.11		16.87	*	.09	8.65	35.39	4.12	25.64		26.11
	5073	4E4	.29	8.40	18.65	3.82	53.98		14.87	*	.30	4.89	20.38	3.63	47.18		23.62
	5074	4E4	.40	6.17	15.97	4.31	53.12		20.04	*	.41	3.46	16.80	3.94	44.72		30.67
	5075	4A3	.43	.28	1.94	3.15	33.12		61.09	*	.34	.12	1.61	2.27	21.97		73.69
	5076	4A3	.35	.51	1.54	3.79	34.41		59.41	*	.28	.23	1.29	2.76	23.06		72.39
	5077	4A3	.40	.24	1.80	3.16	43.44		50.95	*	.34	.11	1.58	2.41	30.50		65.05
	5078	4A4	.29	3.41	8.15	3.93	31.61		52.61	*	.24	1.57	7.06	2.96	21.90		66.26
	5079	4A4	.17	4.46	9.97	3.95	20.64		60.80	*	.14	1.97	8.25	2.84	13.66		73.15
	5080	4E4	.09	8.88	27.58	5.65	32.04		25.76	*	.08	4.72	27.47	4.89	25.53		37.32
	5081	4E4	.38	8.63	22.82	3.98	40.0C		24.19	*	.36	4.67	23.19	3.51	32.51		35.75
	5082	4A4	.32	4.80	8.11	3.85	24.52		58.40	*	.25	2.16	.682	2.82	16.50		71.45
	5083	4A3	.26	2.49	3.67	2.69	36.77		54.12	*	.21	1.15	3.17	2.02	25.42		68.02
	5084	4A3	.38	.39	1.00	2.91	39.78		55.54	*	.31	.18	.86	2.17	27.27		69.22
	5085	4A3	.40	.47	1.21	4.44	40.64		52.83	*	.33	.22	1.05	3.35	28.26		66.79
	5086	4E14	.26	2.06	5.34	6.72	49.46		36.17	*	.24	1.05	5.10	5.58	37.79		50.25
	5087	4A0	.40	.82	2.86	2.89	33.33		59.69	*	.32	.37	2.39	2.10	22.28		72.54
	5088	4A0	.32	.54	1.40	2.44	35.48		59.82	*	.25	.24	1.17	1.77	23.75		72.80
	5089	4A0	.49	.27	1.04	3.60	36.13		58.47	*	.39	.12	.88	2.64	24.34		71.63
	5090	4A0	.40	.23	1.76				97.61	*							
	5091	4A0	.84	.13	2.67				96.37	*							
	5092	4A0	.52	.59	1.51				97.39	*							
	5093	4A3	1.16	.49	.52	6.56	39.14		52.14	*	.96	.23	.45	4.97	27.29		66.10
	5094	4C3	1.53	.21	.55	7.06	45.81		44.84	*	1.32	.10	.50	5.58	33.27		59.22
	5095	4C3	1.01	1.42	4.14	3.87	40.64		48.91	*	.85	.67	3.67	2.98	28.80		63.02
	5096	4C3	1.16	1.99	2.25	3.70	75.91		15.00	*	1.22	1.17	2.50	3.56	67.35		24.19
	5097	4E0	.98	1.43	1.83	3.70	64.30		27.76	*	.95	.77	1.86	3.26	52.19		40.96
	5098	4E1	.84	.70	.55	6.76	54.84		36.31	*	.77	.36	.53	5.64	42.07		50.64
	5099	4C3	1.27	.12	1.31	8.49	43.44		45.37	*	1.09	.06	1.18	6.67	31.39		59.61
	5100	4C3	.87	.07	.89				98.17	*							
	5151	4A0	.43	.03	.75	4.37	20.86		73.55	*	.32	.01	.58	2.96	12.97		83.16

DDH	SAMPLE	ROCK UNIT	NCRMATIVE MINERALS - WEIGHT %							*	NORMATIVE MINERALS - VOLUME %						
			CPY	GA	SP	PO	PY	BAR	OTHER		CPY	GA	SP	PO	PY	BAR	OTHER
FAGA023	5152	4A3	.55	.18	.63	4.81	38.28		55.55	*	.45	.08	.54	3.58	26.21		69.14
	5153	4E0	.92	1.61	3.12	2.64	80.21		11.50	*	1.00	.97	3.54	2.61	72.88		19.00
	5154	4E0	.26	1.39	2.28	7.47	58.71		29.89	*	.25	.74	2.28	6.48	46.87		43.39
	9G134	4L0		.03	.04				99.92	*							
	5155	4E14	.20	5.30	10.60	9.28	17.85		56.77	*	.16	2.39	8.94	6.81	12.05		69.66
	5156	4L0	.12	.13	.33	44.19	9.25		45.99	*	.10	.06	.29	33.94	6.53		59.08
	5157	4E4	.78	3.74	6.08	7.66	57.63		24.10	*	.77	2.06	6.29	6.89	47.71		36.28
	5158	4E0	1.16	2.01	2.24	11.15	64.08		19.36	*	1.18	1.15	2.39	10.37	54.81		30.11
	5159	4E0	1.21	3.19	2.61	14.22	62.79		15.98	*	1.27	1.86	2.86	13.54	55.02		25.45
	5160	4E4	.61	2.73	4.74	10.30	67.74		13.88	*	.64	1.61	5.26	9.94	60.13		22.41
	9G135	4L0		.37	1.13				98.50	*							
	5161	4A0	.49	1.02	1.74	7.39	22.80		66.56	*	.38	.44	1.40	5.17	14.68		77.93
	5162	4H3	.78	.69	.52	21.23	40.43		36.34	*	.71	.35	.50	17.53	30.71		50.20
	5163	4A0	.64	.69	1.03	4.21	22.15		71.28	*	.48	.29	.81	2.88	13.95		81.59
	5164	4A0	.64	2.25	2.65				94.46	*							
	5165	4A0	.46	.98	1.57				96.99	*							

DRILL HOLE : FAG023
NORTHING : 904,825.6
EASTING : 592,395.7
ELEVATION : 1,277.9
TOTAL DEPTH : 306.0
SECTION : W 68
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS GRE-SAMPLES: 71
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHOLOGY: 67
NOS DOWN-H-STRUCTURE: 55
NOS DOWN-H-FAULTS: 24
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

21FEB84 GRUM

CRE SAMPLES & ASSAYS (DHO20)

PAGE: 61

DDH: FAGA023 UTM-N: 904,825.6 UTM-E: 592,395.7 UTM-ELEV: 1,277.9 TOTAL DEPTH: 306.0 SECTION: W 68
 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 %
78.0	79.9	91074	1.9	.0 4E4	4.51	.12	13.00	20.80	164.00		1.51	1	22	24					
79.9	83.1	91075	3.2	.0 4E4	4.99	.22	6.47	12.70	101.00		1.71	1	31	32					
83.1	84.9	91076	1.8	.0 4A0	3.53	.11	1.83	2.25	33.00		1.17		21	22					
84.9	86.7	91077	1.8	.0 4A4	2.93	.06	2.67	4.50	37.00		.62	1	8	9					
86.7	88.5	05051	1.8	.0 4A0	2.98	.05	1.04	1.71	14.00		.34	1	6	8					
88.5	89.3	05052	.8	.0 4C0	3.18	.17	.44	.97	11.00		.27	4	7	12					
89.3	91.1	05053	1.8	.0 4A0	3.02	.06	1.13	2.30	16.00		.48	1	7	8					
91.1	93.0	05054	1.9	.0 4A0	2.94	.10	.70	1.43	15.00		.48	1	7	9					
93.0	94.8	05055	1.8	.0 4A0	2.98	.10	.45	1.08	4.00		.48	1	7	8					
94.8	96.6	05056	1.8	.0 4A0	2.94	.08	.53	1.24	14.00		.41	1	6	7					
96.6	98.1	05057	1.5	.0 4A0	2.97	.07	.52	.88	10.00		.34		7	7					
98.1	99.7	05058	1.6	.0 4A0	3.04	.07	2.08	1.82	28.00		.48		7	8					
99.7	100.9	05059	1.2	.0 4A4	3.41	.17	3.06	6.36	50.00		.75	1	13	15					
100.9	102.6	05060	1.7	.0 4E4	4.58	.19	6.04	10.66	94.00	83.00	1.71	1	26	27					
102.6	104.4	05061	1.8	.0 4E4	4.67	.26	5.96	11.80	104.00		.55	2	24	26					
104.4	104.9	05062	.5	.0 4L0	4.45	.18	5.44	10.40	102.00		.55	2	25	27					
104.9	105.5	05063	.6	.0 4E4	4.11	.15	5.86	12.97	86.00		1.03	2	24	27					
105.8	108.2	05064	2.4	.0 4G4	4.58	.01	2.64	7.45	51.00		.34	2	17	19					
108.2	108.7	05065	.5	.0 4EL	3.59	.05	2.83	11.71	43.00		.75	8	10	19					
110.9	112.7	05066	1.8	.0 4EGK	4.55	.07	2.72	4.96	47.00		.34	1	26	27					
114.9	116.4	05067	1.5	.0 4A4	4.01	.09	8.06	17.50	153.00		1.23	2	12	15					
116.4	118.0	05068	1.6	.0 4A4	3.74	.07	10.60	18.60	178.00		1.65	3	6	9					
118.0	119.2	05069	1.2	.0 4A4	3.44	.11	8.04	17.60	169.00		1.58	2	9	11					
119.2	119.8	05070	.6	.0 4L0	3.82	.03	7.52	17.70	100.00	100.00	.82	3	11	14					
119.8	121.3	05071	1.5	.0 4E4	3.83	.11	9.09	19.91	129.00		1.65	2	12	14					
121.3	122.8	05072	1.5	.0 4E4	4.16	.03	13.20	22.30	158.00		1.13	2	14	16					
122.8	124.7	05073	1.9	.0 4E4	4.25	.10	7.27	12.51	137.00		1.44	2	25	27					
124.7	126.5	05074	1.8	.0 4E4	4.06	.14	5.34	10.71	100.00		1.65	2	24	27					
126.5	128.0	05075	1.5	.0 4A3	3.09	.15	.24	1.30	12.00		.55	2	15	17					
128.0	129.5	05076	1.5	.0 4A3	3.07	.12	.44	1.03	12.00		.48	2	16	18					
129.5	131.1	05077	1.6	.0 4A3	3.45	.14	.21	1.21	14.00		.55	2	20	22					
131.1	132.6	05078	1.5	.0 4A4	3.28	.10	2.95	5.47	38.00		1.03	2	14	17					
132.6	134.3	05079	1.7	.0 4A4	3.12	.06	3.86	6.69	49.00		1.17	2	9	12					
134.3	135.8	05080	1.5	.0 4E4	4.02	.03	7.69	18.50	134.00	126.00	1.03	3	14	18					
135.8	137.5	05081	1.7	.0 4E4	4.07	.13	7.47	15.31	119.00		1.71	2	18	21					
137.5	139.3	05082	1.8	.0 4A4	3.30	.11	4.16	5.44	48.00	52.00	1.65	2	11	13					
139.3	141.2	05083	1.9	.0 4A3	3.39	.09	2.16	2.46	28.00		.96	1	17	18					
141.2	143.0	05084	1.8	.0 4A3	3.36	.13	.34	.67	10.00		.89	1	18	20					
143.0	144.6	05085	1.6	.0 4A3	2.97	.14	.41	.81	10.00		.55	2	18	21					
144.6	145.5	05086	.9	.0 4E14	3.76	.09	1.78	3.58	28.00		.62	4	23	27					
145.5	147.2	05087	1.7	.0 4A0	3.18	.14	.71	1.92	15.00		.75	1	15	17					
147.2	149.0	05088	1.8	.0 4A0	3.18	.11	.47	.94	14.00		.55	1	16	18					
149.0	150.9	05089	1.9	.0 4A0	2.94	.17	.23	.70	8.00		1.73	2	16	19					
150.9	152.7	05090	1.8	.0 4A0	3.16	.14	.20	1.18	8.00		.48								
152.7	154.5	05091	1.8	.0 4A0	3.00	.29	.11	1.79	8.00		.41								
154.5	156.4	05092	1.9	.0 4A0	3.17	.18	.51	1.01	15.00		.48								
156.4	158.7	05093	2.3	.0 4A3	2.22	.40	.42	.35	13.00		.41	4	18	22					
158.7	160.3	05094	1.6	.0 4C3	3.59	.53	.18	.57	14.00		.48	4	21	25					

21FE684 GRUM

DOWN-HOLE SURVEYS (DH020)

PAGE: 63

DDH: FAGA023 UTM-N: 904,825.6 UTM-E: 592,395.7 UTM-ELEV: 1,277.9 TOTAL DEPTH: 306.0 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
51.800	178.000	283.000
91.400	179.700	133.000
146.300	179.200	113.000

21FEB84 GRUM

DOWN-HOLE LITHOLOGY (DHQ20)

PAGE: 64

DDH: FAGA023 UTM-N: 904,825.6 UTM-E: 592,395.7 UTM-ELEV: 1,277.9 TOTAL DEPTH: 306.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
45.7	OC01	#		0.5-	1
55.8	OC02	5D4*	[4L5]	0.5-	1
62.8	OC03	5D0	(5B0) MINCR	0.5-	1
65.5	OC04	5B6	(4L0) MINOR	0.5-	1
67.8	OC05	5A0	*	0.5-	1
72.2	OC06	5B6		0.5-	1
78.0	OC07	5A6		0.5-	1
83.1	OC08	4E4	& SANDY (PORCUS)	0.5-	1
88.5	OC09	4A0		0.5-	1
89.3	OC10	4C0	BXA	0.5-	1
91.4	OC11	4A0		0.5-	1
92.7	OC12	4A0	BXA	0.5-	1
100.9	OC13	4AC	(4A4) E.O.I.	0.5-	1
104.4	OC14	4E4	(4G0) MINOR	0.5-	1
104.9	OC15	4L0	BXA	0.5-	1
105.5	OC16	4E4		0.5-	1
105.8	OC17	5A0	(4L0) 60:40	0.5-	1
108.2	OC18	4G4		0.5-	1
108.5	OC19	4L0	*	0.5-	1
108.7	OC20	4E4		0.5-	1
110.9	OC21	5B6		0.5-	1
111.3	OC22	4K1	*	0.5-	1
112.5	OC23	4G4		0.5-	1
112.7	OC24	4E4		0.5-	1
114.0	OC25	4L3	(10QC) 75:25 GOUGE	0.5-	1
114.9	OC26	5B6		0.5-	1
119.2	OC27	4A4	MICROBXA	0.5-	1
119.8	OC28	4L0	BXA	0.5-	1
126.5	OC29	4E4	-> (4E41) LOCAL	0.5-	1
134.3	OC30	4A3	(4A4) E.O.I.	0.5-	1
136.6	OC31	4E41	(4C0) (4D0) BOTH MINCR	0.5-	1
137.5	OC32	4E4		0.5-	1
144.6	OC33	4A3	-> 4C3 LOCALLY (4A4) T.O.I.	0.5-	1
145.5	OC34	4E14		0.5-	1
158.7	OC35	4A0	(4A3) E.O.I.	0.5-	1
163.4	OC36	4C3		0.5-	1
164.3	OC37	4EC		0.5-	1
167.4	OC38	4E1	(4C0) 80:20	0.5-	1
170.1	OC39	4C3	BXA	0.5-	1
173.4	OC40	4A0	(4A3) E.O.I.	0.5-	1
176.2	OC41	4EC		0.5-	1
187.1	OC42	5B6		0.5-	1
187.5	OC43	4L3		0.5-	1
188.5	OC44	4CC		0.5-	1
189.4	OC45	4LC		0.5-	1
193.7	OC46	5B6		0.5-	1
199.6	OC47	5B6	GOUGE	0.5-	1
200.9	OC48	4EC	(4C0) BXA + GOUGE	0.5-	1
206.7	OC49	5B6		0.5-	1
211.7	OC50	5A1		0.5-	1
218.2	OC51	5B6	4 MINOR	0.5-	1

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DOWN-HOLE LITHOLOGY (DH020)

PAGE: 65

DDH: FAGAC23 UTM-N: 904,825.6 UTM-E: 592,395.7 UTM-ELEV: 1,277.9 TOTAL DEPTH: 306.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
235.6	OC52	4LG	-> (4L2)LOCALLY HEMATITE STAIN	0.5-	1
237.4	OC53	4E14		0.5-	1
239.4	OC54	4LC	SOME BXA	0.5-	1
245.2	OC55	4E0	->(4E8)LOC.(4E4) T.O.I.,E.O.I.	0.5-	1
262.9	OC56	4LC	-> (4L2) LOCALLY	0.5-	1
264.0	OC57	4A0		0.5-	1
265.2	OC58	4H3	BXA	0.5-	1
267.0	OC59	4A0		0.5-	1
270.1	OC60	4L0	-> (4L2) LOCALLY	0.5-	1
274.0	OC61	5D0	*	0.5-	1
275.3	OC62	4LC	SOME BXA	0.5-	1
277.2	OC63	4AC	BXA	0.5-	1
278.5	OC64	4L0		0.5-	1
280.4	OC65	4A0	(4E0) 75:25	0.5-	1
283.5	OC66	4L0	[3G4]	0.5-	1
306.0	OC67	3GC	BIO-WEAK. (3B3 [3F0] B10)95:05	0.5-	1

DDH: FAGA023 UTM-N: 904,825.6 UTM-E: 592,395.7 UTM-ELEV: 1,277.9 TOTAL DEPTH: 306.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 OHD 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	PRCESS
FAGA023	0.0	46.0	PS2		G		C	C			43	230	C			1	1	1
FAGA023	0.0	50.6	PS2		O		C	O			55	230	C			1	1	1
FAGA023	45.7	55.8	PS2	P	O		O	O			0	C	O			1	1	1
FAGA023	0.0	56.4	CS2		O		O	O			51	230	C			1	1	1
FAGAC23	0.0	62.2	CS2		O		O	C			52	230	C			1	1	1
FAGAC23	0.0	67.4	CS2		O		O	C			56	230	C			1	1	1
FAGAC23	0.0	73.8	CS2		O		O	C			60	230	C			1	1	1
FAGA023	55.8	78.0	CS2	S	O		O	O			0	C	O			1	1	1
FAGAC23	0.0	79.1	PS2		O		O	O			45	230	C			1	1	1
FAGAC23	0.0	85.3	PS2		O		O	O			61	230	O			1	1	1
FAGAC23	0.0	91.3	PS2		O		C	C			70	230	O			1	1	1
FAGAC23	0.0	97.5	PS2		O		O	O			81	230	C			1	1	1
FAGAC23	0.0	103.6	PS2		O		O	O			65	230	O			1	1	1
FAGAC23	0.0	110.0	PS2		O		O	O			83	230	O			1	1	1
FAGAC23	0.0	114.6	PS2		O		O	O			50	230	C			1	1	1
FAGAC23	0.0	125.0	PS2		O		O	O			54	230	C			1	1	1
FAGAC23	0.0	131.1	PS2		O		O	O			74	230	C			1	1	1
FAGA023	0.0	137.8	PS2		O		O	O			68	230	O			1	1	1
FAGAC23	0.0	143.3	PS2		O		C	O			70	230	O			1	1	1
FAGAC23	0.0	148.9	PS2		O		O	O			65	230	C			1	1	1
FAGAC23	0.0	155.1	PS2		O		O	O			75	230	C			1	1	1
FAGA023	0.0	161.2	PS2		O		O	O			68	230	C			1	1	1
FAGA023	0.0	167.3	PS2		O		C	O			58	230	O			1	1	1
FAGA023	0.0	173.1	PS2		O		O	O			80	230	O			1	1	1
FAGAC23	78.0	176.2	PS2	P	C		C	O			0	O	C			1	1	1
FAGAC23	0.0	176.8	CS2		O		O	O			63	230	C			1	1	1
FAGA023	0.0	181.7	CS2		O		O	O			63	230	C			1	1	1
FAGAC23	0.0	188.7	CS2		C		O	O			60	230	C			1	1	1
FAGA023	0.0	192.6	CS2		O		O	O			75	230	O			1	1	1
FAGA023	0.0	200.9	CS2		O		O	O			63	230	O			1	1	1
FAGAC23	0.0	206.7	CS2		O		C	O			66	230	C			1	1	1
FAGA023	0.0	212.8	CS2		O		O	O			70	230	O			1	1	1
FAGA023	0.0	217.9	CS2		O		O	O			68	230	C			1	1	1
FAGA023	0.0	224.3	CS2		O		O	O			64	230	C			1	1	1
FAGA023	0.0	230.7	CS2		O		O	O			67	230	C			1	1	1
FAGA023	176.2	235.6	CS2	Z	O		O	O			0	O	O			1	1	1
FAGAC23	0.0	239.0	PS2		O		O	O			65	230	C			1	1	1
FAGAC23	235.6	245.2	PS2	P	O		O	C			0	O	C			1	1	1
FAGAC23	0.0	247.2	PS2		O		O	O			60	230	O			1	1	1
FAGAC23	245.2	251.2	PS2	P	O		O	O			0	O	O			1	1	1
FAGAC23	0.0	253.3	CS2		C		C	O			50	230	C			1	1	1
FAGAC23	251.2	256.6	CS2	S	O		O	O			0	O	O			1	1	1
FAGA023	0.0	259.4	CS2		C		O	O			54	230	O			1	1	1
FAGAC23	256.6	262.7	CS2	Z	O		O	O			0	O	C			1	1	1
FAGA023	0.0	265.5	PS2		O		O	C			57	230	C			1	1	1
FAGAC23	262.7	267.0	PS2	P	O		O	O			0	O	C			1	1	1
FAGAC23	267.0	270.1	CS2	Z	O		O	O			0	O	O			1	1	1
FAGAC23	0.0	271.6	PS2		O		O	O			61	230	C			1	1	1
FAGAC23	0.0	277.4	PS2		O		C	O			80	230	C			1	1	1
FAGAC23	270.1	280.4	PS2	P	O		O	C			0	O	O			1	1	1
FAGA023	0.0	283.5	PS2		O		C	O			72	230	O			1	1	1

21FEB84 GRUM

DOWN-HOLE STRUCTURE (DH020)

PAGE: 67

DDH: FAGA023 UTM-N: 904,825.6 UTM-E: 592,395.7 UTM-ELEV: 1,277.9 TOTAL DEPTH: 306.0 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SC	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DMDC	SDC	PROCESS
FAGA023	0.0	289.6	PS2			0	0	0	0	0	67	230	0	C		1	1	1
FAGA023	0.0	295.7	PS2			0	0	0	0	0	70	230	0	C		1	1	1
FAGA023	0.0	301.8	PS2			0	0	0	0	0	70	230	0	C		1	1	1
FAGA023	280.4	306.0	PS2	P		0	0	0	0	0	0	0	0	C		1	1	1

DDH: FAGA023 UTM-N: 904,825.6 UTM-E: 592,395.7 UTM-ELEV: 1,277.9 TOTAL DEPTH: 306.0 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGAC23	88.4	89.3	XBG				0	0	C	C	0	0	1
FAGAC23	91.4	92.6	XPG				C	0	C	C	0	0	1
FAGAC23	91.4	92.6	3B				C	0	C	C	0	0	1
FAGAC23	104.3	104.8	XDS				0	0	C	C	0	0	1
FAGAC23	0.0	108.5	G				0	0	C	C	0	0	1
FAGAC23	112.4	112.7	D				0	0	0	0	0	0	1
FAGAC23	112.7	113.9	QG				0	0	C	C	0	0	1
FAGAC23	0.0	114.9	1G				0	0	C	C	0	0	1
FAGAC23	114.9	119.2	XD?				0	0	C	C	0	0	1
FAGAC23	119.2	119.7	X				0	0	C	C	0	0	1
FAGAC23	119.7	126.4	1XD				C	0	C	C	0	0	1
FAGAC23	0.0	163.3	1XD				C	0	C	C	0	0	1
FAGAC23	167.3	170.0	XD?				0	0	C	C	0	0	1
FAGAC23	175.7	176.1	2G				C	0	0	C	0	0	1
FAGAC23	193.7	199.6	GP		2		0	0	C	C	0	0	1
FAGAC23	199.6	200.8	XGP		3		0	0	C	C	0	0	1
FAGAC23	0.0	211.6	1G				0	0	C	C	0	0	1
FAGAC23	235.6	237.4	1XD				0	0	C	C	0	0	1
FAGAC23	237.4	239.3	XDG				0	0	0	0	0	0	1
FAGAC23	239.3	245.2	1XD				C	0	C	C	0	0	1
FAGAC23	264.0	265.1	XD?				C	0	C	C	0	0	1
FAGAC23	274.0	275.2	XD?				0	0	0	0	0	0	1
FAGAC23	275.2	277.2	XD?				0	0	0	0	0	0	1
FAGAC23	0.0	278.4	XD?				0	0	0	0	0	0	1

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DOWN-HOLE SPLINES (DHO20)

PAGE: 69

DDH: FAGA023 UTM-N: 904,825.6 UTM-E: 592,395.7 UTM-ELEV: 1,277.9 TOTAL DEPTH: 306.0 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGAC23	1	2
FAGAC23	2	2
FAGAC23	3	2
FAGAC23	4	1

DDH	SAMPLE	---DEPTHS---	INT	REC	ROCK	S.G.	CU	PB	ZN	AG	AU	PO	PY	BAO	PB+ZN	PO+PY	ZN
		FROM TO	M	%	UNIT		%	%	%	G/MT	G/MT	%	%	%	%	%	RATIO
FAGA023	91074	78.0 79.9	1.9		4E4	4.51	.12	13.00	20.80	164.0	1.51	1.88	22.70		33.80	24.58	.62
	91075	79.9 83.1	3.2		4E4	4.99	.22	6.47	12.70	101.0	1.71	1.52	31.00		19.17	32.52	.66
	91076	83.1 84.9	1.8		4A0	3.53	.11	1.83	2.25	33.0	1.17	.78	21.30		4.08	22.08	.55
	91077	84.9 86.7	1.8		4A4	2.93	.06	2.67	4.50	37.0	.62	1.30	8.30		7.17	9.60	.63
	5051	86.7 88.5	1.8		4A0	2.98	.05	1.04	1.71	14.0	.34	1.70	6.50		2.75	8.20	.62
	5052	88.5 89.3	.8		4CC	3.18	.17	.44	.97	11.0	.27	4.94	7.10		1.41	12.04	.69
	5053	89.3 91.1	1.8		4A0	3.02	.06	1.13	2.30	16.0	.48	1.35	7.40		3.43	8.75	.67
	5054	91.1 93.0	1.9		4A0	2.94	.10	.70	1.43	15.0	.48	1.84	7.20		2.13	9.04	.67
	5055	93.0 94.8	1.8		4A0	2.98	.10	.45	1.08	4.0	.48	1.51	7.10		1.53	8.61	.71
	5056	94.8 96.6	1.8		4A0	2.94	.08	.53	1.24	14.0	.41	1.18	6.30		1.77	7.48	.70
	5057	96.6 98.1	1.5		4A0	2.97	.07	.52	.88	10.0	.34	.84	7.00		1.40	7.84	.63
	5058	98.1 99.7	1.6		4A0	3.04	.07	2.08	1.82	28.0	.48	.97	7.70		3.90	8.67	.47
	5059	99.7 100.9	1.2		4A4	3.41	.17	3.06	6.36	50.0	.75	1.66	13.40		9.42	15.06	.68
	5060	100.9 102.6	1.7		4E4	4.58	.19	6.04	10.66	94.0	1.71	1.39	26.40		16.70	27.79	.64
	5061	102.6 104.4	1.8		4E4	4.67	.26	5.96	11.80	104.0	.55	2.07	24.50		17.76	26.57	.66
	5062	104.4 104.9	.5		4L0	4.45	.18	5.44	10.40	102.0	.55	2.55	25.40		15.84	27.95	.66
	5063	104.9 105.5	.6		4E4	4.11	.15	5.86	12.97	86.0	1.03	2.69	24.60		18.83	27.29	.69
	5064	105.8 108.2	2.4		4G4	4.58	.01	2.64	7.45	51.0	.34	2.45	17.20		10.09	19.65	.74
	5065	108.2 108.7	.5		4EL	3.59	.05	2.83	11.71	43.0	.75	8.31	10.90		14.54	19.21	.81
	5066	110.9 112.7	1.8		4EGK	4.55	.07	2.72	4.96	47.0	.34	1.26	26.50		7.68	27.76	.65
	5067	114.9 116.4	1.5		4A4	4.01	.09	8.06	17.50	153.0	1.23	2.46	12.80		25.56	15.26	.68
	5068	116.4 118.0	1.6		4A4	3.74	.07	10.60	18.60	178.0	1.65	3.69	6.20		29.20	9.89	.64
	5069	118.0 119.2	1.2		4A4	3.44	.11	8.04	17.60	169.0	1.58	2.42	9.20		25.64	11.62	.69
	5070	119.2 119.8	.6		4L0	3.82	.03	7.52	17.70	100.0	.82	3.74	11.20		25.22	14.94	.70
	5071	119.8 121.3	1.5		4E4	3.83	.11	9.09	19.91	129.0	1.65	2.17	12.50		29.00	14.67	.69
	5072	121.3 122.8	1.5		4E4	4.16	.03	13.20	22.30	158.0	1.13	2.83	14.00		35.50	16.83	.63
	5073	122.8 124.7	1.9		4E4	4.25	.10	7.27	12.51	137.0	1.44	2.43	25.10		19.78	27.53	.63
	5074	124.7 126.5	1.8		4E4	4.06	.14	5.34	10.71	100.0	1.65	2.74	24.70		16.05	27.44	.67
	5075	126.5 128.0	1.5		4A3	3.09	.15	.24	1.30	12.0	.55	2.00	15.40		1.54	17.40	.84
	5076	128.0 129.5	1.5		4A3	3.07	.12	.44	1.03	12.0	.48	2.41	16.00		1.47	18.41	.70
	5077	129.5 131.1	1.6		4A3	3.45	.14	.21	1.21	14.0	.55	2.01	20.20		1.42	22.21	.85
	5078	131.1 132.6	1.5		4A4	3.28	.10	2.95	5.47	38.0	1.03	2.50	14.70		8.42	17.20	.65
	5079	132.6 134.3	1.7		4A4	3.12	.06	3.86	6.69	49.0	1.17	2.51	9.60		10.55	12.11	.63
	5080	134.3 135.8	1.5		4E4	4.02	.03	7.69	18.50	134.0	1.03	3.59	14.90		26.19	18.49	.71
	5081	135.8 137.5	1.7		4E4	4.07	.13	7.47	15.31	119.0	1.71	2.53	18.60		22.78	21.13	.67
	5082	137.5 139.3	1.8		4A4	3.30	.11	4.16	5.44	48.0	1.65	2.45	11.40		9.60	13.85	.57
	5083	139.3 141.2	1.9		4A3	3.39	.09	2.16	2.46	28.0	.96	1.71	17.10		4.62	18.81	.53
	5084	141.2 143.0	1.8		4A3	3.36	.13	.34	.67	10.0	.89	1.85	18.50		1.01	20.35	.66
	5085	143.0 144.6	1.6		4A3	2.97	.14	.41	.81	10.0	.55	2.82	18.90		1.22	21.72	.66
	5086	144.6 145.5	.9		4E14	3.76	.09	1.78	3.58	28.0	.62	4.27	23.00		5.36	27.27	.67
	5087	145.5 147.2	1.7		4A0	3.18	.14	.71	1.92	15.0	.75	1.84	15.50		2.63	17.34	.73
	5088	147.2 149.0	1.8		4A0	3.18	.11	.47	.94	14.0	.55	1.55	16.50		1.41	18.05	.67
	5089	149.0 150.9	1.9		4A0	2.94	.17	.23	.70	8.0	1.78	2.29	16.80		.93	19.09	.75
	5090	150.9 152.7	1.8		4A0	3.16	.14	.20	1.18	8.0	.48				1.38		.86
	5091	152.7 154.5	1.8		4A0	3.00	.29	.11	1.79	8.0	.41				1.90		.94
	5092	154.5 156.4	1.9		4A0	3.17	.18	.51	1.01	15.0	.48				1.52		.66
	5093	156.4 158.7	2.3		4A3	2.22	.40	.42	.35	13.0	.41	4.17	18.20		.77	22.37	.45
	5094	158.7 160.3	1.6		4C3	3.59	.53	.18	.37	14.0	.48	4.49	21.30		.55	25.79	.67
	5095	160.3 161.8	1.5		4C3	3.59	.35	1.23	2.78	30.0	.89	2.46	18.90		4.01	21.36	.69
	5096	161.8 163.4	1.6		4C3	4.31	.40	1.72	1.51	38.0	1.51	2.35	35.30		3.23	37.65	.47
	5097	163.4 165.4	2.0		4E0	4.12	.34	1.24	1.23	26.0	1.51	2.35	29.90		2.47	32.25	.50
	5098	165.4 167.4	2.0		4E1	3.77	.29	.61	.37	21.0	.96	4.30	25.50		.98	29.80	.36
	5099	167.4 168.9	1.5		4C3	3.61	.44	.10	.88	8.0	.75	5.40	20.20		.98	25.60	.90
	5100	168.9 170.1	1.2		4C3	3.37	.30	.06	.60	8.0	1.58				.66		.91
	5151	170.1 171.6	1.5		4A0	2.95	.15	.03	.50	3.0	.48	2.78	9.70		.53	12.48	.94

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DDH	SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
		FROM	TO															
FAGAC23	5152	171.6	173.4	1.8		4A3	3.34	.19	.16	.42	7.0	1.03	3.06	17.80		.58	20.86	.72
	5153	173.4	175.0	1.6		4E0	4.62	.32	1.39	2.09	31.0	1.85	1.68	37.30		3.48	38.98	.60
	5154	175.0	176.2	1.2		4E0	3.76	.09	1.20	1.53	18.0	1.10	4.75	27.30		2.73	32.05	.56
	90134	221.9	224.3	2.4		4L0			.03	.03	2.1					.06		.50
	5155	235.6	237.4	1.8		4E14	3.34	.07	4.59	7.11	64.0	.21	5.90	8.30		11.70	14.20	.61
	5156	237.4	239.4	2.0		4L0	2.80	.04	.11	.22	3.0	.07	28.10	4.30		.33	32.40	.67
	5157	239.4	240.9	1.5		4E4	4.45	.27	3.24	4.08	55.0	1.58	4.87	26.80		7.32	31.67	.56
	5158	240.9	242.4	1.5		4E0	4.49	.40	1.74	1.50	33.0	1.37	7.09	29.80		3.24	36.89	.46
	5159	242.4	243.9	1.5		4E0	4.50	.42	2.76	1.75	38.0	1.23	9.04	29.20		4.51	38.24	.39
	5160	243.9	245.2	1.3		4E4	4.60	.21	2.36	3.18	42.0	1.03	6.55	31.50		5.54	38.05	.57
	90135	245.2	246.9	1.7		4L0			.32	.76	5.1					1.08		.70
	5161	262.9	264.0	1.1		4A0	3.07	.17	.88	1.17	17.0	.41	4.70	10.60		2.05	15.30	.57
	5162	264.0	265.2	1.2		4H3	5.19	.27	.60	.35	19.0	.27	13.50	18.80		.95	32.30	.37
	5163	265.2	267.0	1.8		4A0	3.05	.22	.60	.69	14.0	.34	2.68	10.30		1.29	12.98	.53
	5164	275.3	277.2	1.9		4A0	3.37	.22	1.95	1.78	32.0	.82				3.73		.48
	5165	278.5	280.4	1.9		4A0	3.28	.16	.85	1.05	20.0	.27				1.90		.55

ODH	SAMPLE	ROCK UNIT	NORMATIVE MINERALS - WEIGHT %							*	NORMATIVE MINERALS - VOLUME %						
			CPY	GA	SP	PO	PY	BAR	OTHER		CPY	GA	SP	PO	PY	BAR	OTHER
FAGA023	91074	4E4	.35	15.01	31.01	2.96	48.82		1.86	*	.39	9.57	37.06	3.07	46.67		3.23
	91075	4E4	.64	7.47	18.93	2.39	66.67		3.90	*	.72	4.71	22.38	2.46	63.03		6.71
	91076	4A0	.32	2.11	3.35	1.23	45.81		47.18	*	.27	1.01	3.02	.96	32.98		61.76
	91077	4A4	.17	3.08	6.71	2.04	17.85		70.14	*	.13	1.30	5.30	1.40	11.28		80.59
	5051	4A0	.14	1.20	2.55	2.67	13.98		79.45	*	.10	.48	1.93	1.76	8.45		87.29
	5052	4C0	.49	.51	1.45	7.77	15.27		74.52	*	.36	.21	1.12	5.22	9.43		83.67
	5053	4A0	.17	1.31	3.43	2.12	15.91		77.06	*	.13	.53	2.62	1.41	9.72		85.59
	5054	4A0	.29	.81	2.13	2.89	15.48		78.39	*	.21	.33	1.62	1.91	9.40		86.54
	5055	4A0	.29	.52	1.61	2.37	15.27		79.94	*	.21	.21	1.21	1.56	9.20		87.61
	5056	4A0	.23	.61	1.85	1.86	13.55		81.90	*	.16	.24	1.38	1.20	8.09		88.92
	5057	4A0	.20	.60	1.31	1.32	15.05		81.51	*	.14	.24	.98	.86	9.02		88.76
	5058	4A0	.20	2.40	2.71	1.53	16.56		76.60	*	.15	.98	2.08	1.02	10.18		85.59
	5059	4A4	.49	3.53	9.48	2.61	28.82		55.07	*	.40	1.61	8.09	1.94	19.66		68.31
	5060	4E4	.55	6.98	15.89	2.19	56.77		17.62	*	.56	4.00	17.07	2.04	48.79		27.54
	5061	4E4	.75	6.88	17.59	3.26	52.69		18.83	*	.74	3.89	18.64	3.00	44.67		29.03
	5062	4L0	.52	6.28	15.50	4.01	54.62		19.06	*	.53	3.55	16.45	3.70	46.36		29.41
	5063	4E4	.43	6.77	19.34	4.23	52.90		16.33	*	.44	3.88	20.77	3.95	45.45		25.51
	5064	4G4	.03	3.05	11.11	3.85	36.99		44.97	*	.02	1.46	10.00	3.02	26.63		58.87
	5065	4EL	.14	3.27	17.46	13.07	23.44		42.62	*	.12	1.56	15.66	10.20	16.83		55.63
	5066	4EGK	.20	3.14	7.39	1.98	56.99		30.29	*	.19	1.66	7.35	1.71	45.30		43.78
	5067	4A4	.26	9.31	26.09	3.87	27.53		32.95	*	.24	4.75	24.94	3.22	21.05		45.81
	5068	4A4	.20	12.24	27.73	5.80	13.33		40.69	*	.18	5.97	25.36	4.61	9.75		54.13
	5069	4A4	.32	9.29	26.24	3.81	19.78		40.57	*	.28	4.52	23.93	3.02	14.44		53.82
	5070	4L0	.09	8.68	26.39	5.88	24.09		34.87	*	.08	4.36	24.84	4.82	18.14		47.76
	5071	4E4	.32	10.50	29.68	3.41	26.88		29.21	*	.30	5.46	28.95	2.89	20.97		41.43
	5072	4E4	.09	15.24	33.24	4.45	30.11		16.87	*	.09	8.65	35.39	4.12	25.44		26.11
	5073	4E4	.29	8.40	18.65	3.82	53.98		14.87	*	.30	4.89	20.38	3.63	47.18		23.62
	5074	4E4	.40	6.17	15.97	4.31	53.12		20.04	*	.41	3.46	16.80	3.94	44.72		30.67
	5075	4A3	.43	.28	1.94	3.15	33.12		61.09	*	.34	.12	1.61	2.27	21.97		73.69
	5076	4A3	.35	.51	1.54	3.79	34.41		59.41	*	.28	.23	1.29	2.76	23.06		72.39
	5077	4A3	.40	.24	1.80	3.16	43.44		50.95	*	.34	.11	1.58	2.41	30.50		65.05
	5078	4A4	.29	3.41	8.15	3.93	31.61		52.61	*	.24	1.57	7.06	2.96	21.90		66.26
	5079	4A4	.17	4.46	9.97	3.95	20.64		60.80	*	.14	1.97	8.25	2.84	13.66		73.15
	5080	4E4	.09	8.88	27.58	5.65	32.04		25.76	*	.08	4.72	27.47	4.89	25.53		37.32
	5081	4E4	.38	8.63	22.82	3.98	40.00		24.19	*	.36	4.67	23.19	3.51	32.51		35.75
	5082	4A4	.32	4.80	8.11	3.85	24.52		58.40	*	.25	2.16	6.82	2.82	16.50		71.45
	5083	4A3	.26	2.49	3.67	2.69	36.77		54.12	*	.21	1.15	3.17	2.02	25.42		68.02
	5084	4A3	.38	.39	1.00	2.91	39.78		55.54	*	.31	.18	.86	2.17	27.27		69.22
	5085	4A3	.40	.47	1.21	4.44	40.64		52.83	*	.33	.22	1.05	3.35	28.26		66.79
	5086	4E14	.26	2.06	5.34	6.72	49.46		36.17	*	.24	1.05	5.10	5.58	37.79		50.25
	5087	4A0	.40	.82	2.86	2.89	33.33		59.69	*	.32	.37	2.39	2.10	22.28		72.54
	5088	4A0	.32	.54	1.40	2.44	35.48		59.82	*	.25	.24	1.17	1.77	23.75		72.80
	5089	4A0	.49	.27	1.04	3.60	36.13		58.47	*	.39	.12	.88	2.64	24.34		71.63
	5090	4A0	.40	.23	1.76				97.61	*							
	5091	4A0	.84	.13	2.67				96.37	*							
	5092	4A0	.52	.59	1.51				97.39	*							
	5093	4A3	1.16	.49	.52	6.56	39.14		52.14	*	.96	.23	.45	4.97	27.29		66.10
	5094	4C3	1.53	.21	.55	7.06	45.81		44.84	*	1.32	.10	.50	5.58	33.27		59.22
	5095	4C3	1.01	1.42	4.14	3.87	40.64		48.91	*	.85	.67	3.67	2.98	28.80		63.02
	5096	4C3	1.16	1.99	2.25	3.70	75.91		15.00	*	1.22	1.17	2.50	3.56	67.35		24.19
	5097	4E0	.98	1.43	1.83	3.70	64.30		27.76	*	.95	.77	1.86	3.26	52.19		40.96
	5098	4E1	.84	.70	.55	6.76	54.84		36.31	*	.77	.36	.53	5.64	42.07		50.64
	5099	4C3	1.27	.12	1.31	8.49	43.44		45.37	*	1.09	.06	1.18	6.67	31.39		59.61
	5100	4C3	.87	.07	.89				98.17	*							
	5151	4A0	.43	.03	.75	4.37	20.86		73.55	*	.32	.01	.58	2.96	12.97		83.16

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GRUM DATABASE - QUIZ REPORT

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DDH	SAMPLE	ROCK UNIT	NCRMATIVE MINERALS - WEIGHT %							NORMATIVE MINERALS - VOLUME %							
			CPY	GA	SP	PO	PY	BAR	OTHER	CPY	GA	SP	PO	PY	BAR	OTHER	
FAGA023	5152	4A3	.55	.18	.63	4.81	38.28		55.55	*	.45	.08	.54	3.58	26.21		69.14
	5153	4E0	.92	1.61	3.12	2.64	80.21		11.50	*	1.00	.97	3.54	2.61	72.88		19.00
	5154	4E0	.26	1.39	2.28	7.47	58.71		29.89	*	.25	.74	2.28	6.48	46.87		43.39
	90134	4L0		.03	.04				99.92	*							
	5155	4E14	.20	5.30	10.60	9.28	17.85		56.77	*	.16	2.39	8.94	6.81	12.05		69.66
	5156	4L0	.12	.13	.33	44.19	9.25		45.99	*	.10	.06	.29	33.94	6.53		59.08
	5157	4E4	.78	3.74	6.08	7.66	57.63		24.10	*	.77	2.06	6.29	6.89	47.71		36.28
	5158	4E0	1.16	2.01	2.24	11.15	64.08		19.36	*	1.18	1.15	2.39	10.37	54.81		30.11
	5159	4E0	1.21	3.19	2.61	14.22	62.79		15.98	*	1.27	1.86	2.86	13.54	55.02		25.45
	5160	4E4	.61	2.73	4.74	10.30	67.74		13.88	*	.64	1.61	5.26	9.94	60.13		22.41
	90135	4L0		.37	1.13				98.50	*							
	5161	4A0	.49	1.02	1.74	7.39	22.80		66.56	*	.38	.44	1.40	5.17	14.68		77.93
	5162	4H3	.78	.69	.52	21.23	40.43		36.34	*	.71	.35	.50	17.53	30.71		50.20
	5163	4A0	.64	.69	1.03	4.21	22.15		71.28	*	.48	.29	.81	2.88	13.95		81.59
	5164	4A0	.64	2.25	2.65				94.46	*							
	5165	4A0	.46	.98	1.57				96.99	*							

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

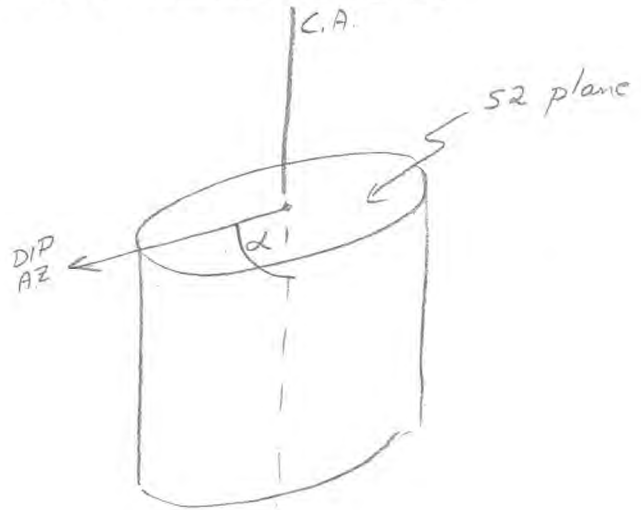
Hole Number: 74-A023

Fabric Orientation Diagram:

Project: GRUM

Location: VANGORDA PLAT.

Claim: _____



UTM Terr. Plane Co-ords.: 6,904,825.7 N

592,395.7 E

Grid Co-ords.: 68 W/2 N

1979 H2O
O. Phosphate
Survey

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Elevation: 1277.91

Total Depth: 1004'

Purpose: _____

Re-Logged by: DJH Date(s) Logged: _____

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

NW 0 26

BW 26 150

BQ 150 1004'

Started: 25/7/74 Completed: 1/8/74

Lithologic Log

Logged By: DJA

Code	From ft.			To ft.			Unit	Code	Description
	10	14	16	20	22	23			
L	11	10	0	11	15	0	11	1	# triconed %B - no core
L	11	15	0	11	18	2	12	4	no sdes; altered 5D3; minor unaltered
	11	11		11	11		1	11	5D3; orange weathering CO ₃ ⁼
L	11	18	2	12	10	6	13	5	w/ minor 5B0; grad. lower ct
L	12	10	6	12	11	5	14	5	w/ minor 4L0
L	12	11	5	12	22	4	15	5	Fe, Mg CO ₃ ⁼ bearing
L	12	22	4	12	31	7	16	5	5B16
L	12	31	7	12	51	6	17	5	5A16
L	12	51	6	12	72	5	18	4	super grade; occas. zones of sandy py
L	12	72	5	12	90	2	19	4	Pb+Zn variable (generally low)
L	12	90	2	12	91	3	110	4	bxia. w/ some gouge and heavily broken core
L	12	91	3	13	10	10	11	4	4A10
L	13	10	10	13	10	14	12	4	? bxia, gouge + broken & lost core; fault?
L	13	10	14	13	13	1	13	4	4A10
L	13	13	1	13	42	5	14	4	1 small band 4G; gritty py.
L	13	42	5	13	44	0	15	4	shear? bxia zone w/ sdes, oqo, frags.
L	13	44	0	13	46	2	16	4	4E14
L	13	46	2	13	47	0	17	5	w/ 40% 4L0
L	13	47	0	13	51	5	18	4	4G14
L	13	51	5	13	51	6	19	4	orange weathering CO ₃ ⁼ ?
L	13	51	6	13	51	6	20	4	4E14
L	13	51	6	13	64	0	21	5	gouge @ upper ct.
L	13	64	0	13	65	0	22	4	Fe Mg CO ₃ ⁼
L	13	65	0	13	69	0	23	4	4G14
L	13	69	0	13	69	9	24	4	super grade w/ small indistinct clasts(?)
	11	11		11	11		1	11	of qtzite
L	13	69	9	13	74	0	25	4	w/ 25% OQO and 30% gouge
L	13	74	0	13	77	0	26	5	2" gouge @ EOI
L	13	77	0	13	91	1	27	4	micro bxia w/ mass. sph infilling
L	13	91	1	13	93	0	28	4	w/ 25% sde frags.; as unit 15
L	13	93	0	14	15	0	29	4	→ 4E41 locally; ± 5-15% sil. mottles;
	11	11		11	11		1	11	minor micro bxia. text. similar to unit
	11	11		11	11		1	11	28; super grade sect.
L	14	15	0	14	40	5	30	4	4A10
L	14	40	5	14	48	2	31	4	→ 4E41 w/ 10-30% SiO ₂ mottles and also
	11	11		11	11		1	11	occasional BaSO ₄ flecks; minor 4CO/4DO

Code	From	To	Unit	Code	Description
1	10 14 16 20	22 23 25 27			
L	14182	14151	32	4E14	<5% SiO ₂
L	14511	14744	33	4A10	<5% Pb+Zn; → 4C0 locally (4M) T.O.I.
L	14744	14773	34	4E11	<10% SiO ₂
L	14773	15206	35	4A10	<5% Pb+Zn
L	15206	15360	36	4C10	w/ 20-40% tot. sdes (py); minor 4A
			-		bxia w/ mass. sph infilling @ EOI.
L	15360	15390	37	4E10	
L	15390	15491	38	4E11	w/ 10-30% SiO ₂ mottles; <20% 4C0
L	15491	15580	39	4C10	bxia zone; 40-60% tot. sdes (py)
L	15580	15690	40	4A10	<5% Pb/Zn
L	15690	15780	41	4E10	<5% Pb/Zn
L	15780	16140	42	5B16	1 1/2' gouge @ TOI (is 4L faulted away?)
L	16140	16150	43	4L13	
L	16150	16185	44	4C10	
L	16185	16215	45	4L10	no sdes
L	16215	16355	46	5B16	
L	16355	16550	47	5B16	? 5' core rec; mainly gouge
L	16550	16590	48	4E10	? 1 1/2' core rec.; mass. py & quartz bxia
					w/ sde (py) infillings; some gouge
L	16590	16780	49	5B16	
L	16780	16945	50	5A11	.5' gouge @ EOI
L	16945	17160	51	5B16	w/ minor W.M. dev.
L	17160	17730	52	4L10	→ 4L2 locally; distinctive blood
					red. haematite stain // S1, S2
L	17730	17790	53	4E11	→ 4E14; minor bxia plus some slickensides;
					minor 4C frags
L	17790	17853	54	4L10	some bxia w/ mass. sde frags; minor gouge
L	17853	18046	55	4E10	→ 4E8 locally; minor 4C frags (4E4) T.O.I., E.O.I.
L	18046	18612	56	4L10	→ 4L2 locally; as unit 53
L	18612	18663	57	4A10	
L	18663	18700	58	4H13	bxia.
L	18700	18761	59	4A10	
L	18761	18860	60	4L10	→ 4L2 locally; as units 53 & 57
L	18860	18990	61	5D13	Fe Mg CO ₃ bearing; 90% mottled 10% lamid.
L	18990	19032	62	4L10	some bxia. w/ sde frags.
L	19032	19095	63	4A10	bxia w/ mass. sde infillings; ~70% sde s. (py)

74-A23

Structural Log

Logged By: DJH

Code	From		To		Feature	S ₁ Dip	S ₁ Direct.	S ₂ Dip	S ₂ Direct.	Description
	10	14	16	20						
										0-150' O/B.
S			151	0	PSR			43	230	R region 150-183.2
S			166	0	PSR			55	230	
S			183	2	FRR					S region 183.2-256.0
S			185	0	CNR			51	230	
S			204	0	CIS2			52	230	
S			221	0	CIS2			56	230	
S			242	0	CIS2			60	230	
S			256	0	FRS					R region 256.0-578.0'
S			259	5	PSR			95	230	- zone of mass. & gztitic sdes
S			280	0	PSR			61	230	
S			299	5	PSR			70	230	- FA intersections show
S			320	0	PSR			81	230	some S1/S2 rel. but core is
S			340	0	PSR			65	230	broken badly due to
S			361	0	PSR			83	230	splitting and ∞ sym. was
S			376	0	PSR			50	230	not determined
S			410	0	PSR			54	230	- S1 near vertical @ 418
S			430	0	PSR			74	230	& 481'
S			452	0	PSR			68	230	- NOTE: extremely thick sde
S			470	0	PSR			70	230	horizon intersection plus
S			488	5	PSR			65	230	sym. reversal w/ some
S			509	0	PSR			75	230	steep S1 insdes. may
S			529	0	PSR			68	230	indicate presence of a
S			549	0	PSR			58	230	large D2 fold closure here!
S			568	0	PSR			80	230	
S			578	0	FRR					Z region 578.0-773.0'
S			580	0	CIS2			63	230	
S			596	0	CIS2			63	230	
S			619	0	CIS2			60	230	
S			632	0	CIS2			75	230	
S			659	0	CIS2			63	230	
S			678	0	CIS2			66	230	
S			698	0	CIS2			70	230	
S			715	0	CIS2			68	230	
S			736	0	CIS2			64	230	
S			757	0	CIS2			67	230	

DDH 74-A.0.23
2 8Cyprus Anvil Mining Corp.
Geochemical Log (Sampler's Copy)Page 8 of 10
Logged By: DJH
Sampled By: _____

Code	From ft		To ft		Sample No.		Description			KERR ADD #
	10	14	16	20	22	27	length	Rec	Unit	
P	12560		12620		9110714		6.0		4E4	1647
P	12620		12725		9110715		5.0 5.5		4E4	1648
P	12725		12785		9110716		6.0		4A0	1649
P	12785		12845		9110717		6.0		4A0	1650
86.7 P	12845		12910		15051		5.7		4A0	
88.5 P	12910		12930		15052		2.8		4C0	
89.3 P	12930		12990		15053		6.0		4A0	
91.1 P	12990		13050		15054		6.0		4A0	
93.0 P	13050		13110		15055		6.0		4A0	
94.8 P	13110		13170		15056		6.0		4A0	
96.6 P	13170		13220		15057		5.0		4A0	
98.1 P	13220		13270		15058		5.0		4A0	
99.7 P	13270		13310		15059		4.0		4A0 4	
100.9 P	13310		13365		15060		5.5		4E4	
102.6 P	13365		13425		15061		6.0		4E4	
P	13425		13440		15062		1.5	104.4	4L0	
104.9 P	13440		13462		15063		2.2		4E4	
P	13470		13550		15064		8.0		4G4	
105.8 P	13550		13565		15065		1.5		4EL	
110.9 P	13640		13699		15066		5.9		4GE	
114.9 P	13770		13820		15067		5.0		4A4	
116.4 P	13820		13870		15068		5.0		4A4	
118.0 P	13870		13911		15069		4.1		4A4	
119.2 P	13911		13930		15070		1.9		4L0	
119.8 P	13930		13980		15071		5.0		4E4	
121.3 P	13980		14030		15072		5.0		4E4	
122.8 P	14030		14090		15073		6.0		4E4	
124.7 P	14090		14150		15074		6.0		4E4	
126.5 P	14150		14200		15075		5.0		4A0	
P	14200		14250		15076		5.0	128.0	4A0	
129.5 P	14250		14300		15077		5.0		4A0	
131.1 P	14300		14350		15078		5.0		4A0	
132.6 P	14350		14405		15079		5.5		4A0	

Core No.	From ft		To ft		Sample No.		Description		
	10	14	16	20	22	27	Length	Rec.	UNIT.
P	1440	5	1445	5	150810		5.5		4E9
P	1445	5	1451	1	150811		5.6		4E9
P	1451	1	1457	1	150812		6.0		4A04
P	1457	1	1463	1	150813		6.0		4A0
P	1463	1	1469	1	150814		6.0		4A0
P	1469	1	1474	4	150815		5.3		4A0
P	1474	4	1477	3	150816		2.9		4E14
F	1477	3	1483	0	150817		5.7		4A0
P	1483	0	1489	0	150818		6.0		4A0
P	1489	0	1495	0	150819		6.0		4A0
P	1495	0	1501	0	150910		6.0		4A0
P	1501	0	1507	0	150911		6.0		4A0
P	1507	0	1513	0	150912		6.0		4A0
P	1513	0	1520	6	150913		7.6		4A0
P	1520	6	1526	0	150914		5.4		4C0
P	1526	0	1531	0	150915		5.0		4C0
P	1531	0	1536	0	150916		5.0		4C0
P	1536	0	1542	5	150917		6.5		4E0
P	1542	5	1549	1	150918		6.6		4E1
P	1549	1	1554	0	150919		4.9		4C0
P	1554	0	1558	0	151010		4.0		4C0
P	1558	0	1563	0	151511		5.0		4A0
F	1563	0	1569	0	151512		6.0		4A0
P	1569	0	1574	0	151513		5.0		4E0
P	1574	0	1578	0	151514		4.0		4E0
P	1773	0	1779	0	151515		6.0		4E14
P	1779	0	1785	3	151516		6.3		4L0
P	1785	3	1790	3	151517		5.0		4E04
P	1790	3	1795	3	151518		5.0		4E0
P	1795	3	1800	3	151519		5.0		4E0
P	1800	3	1804	6	151610		4.3		4E04
P	1862	5	1866	3	151611		3.8		4A0
P	1866	3	1870	0	151612		3.7		4H3
P	1870	0	1876	1	151613		6.1		4A0

Feet!

FAULT

DDH F.A.G.A.0.23
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From				To				Feature	SYN	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			32	34	38	40	44		
F	1219	102	1219	130	XIBG												brx w/ some gouge and heavily broken core
F	1310	0	1310	140	XIPG												} brx w/ gouge, broken & lost core, fault?
F	1310	0	1310	140	3B												
F	1314	25	1314	40	XIDIS												shear? brx zone w/ sulphide, qtz frags
F			1315	60	GI												gouge @ contact between 4E4 & 5B6
F	1316	190	1316	199	D												super grade 4E4 w/ small indistinct clasts of qtzite
F	1316	199	1317	40	IG												4L w/ 25% 1000 and 30% gouge.
F			1317	70	IG												2" gouge @ contact between 5B6 & 4A4
F	1317	70	1319	110	XID?												microbrx (4A) w/ massive sulphide infillings
F	1319	110	1319	130	XI												4L w/ 25% sulphide frags -
F	1319	130	1411	150	IXID												minor microbrx texture
F			1513	60	IXID												minor 4A brx w/ massive sulphide infillings
F	1514	190	1515	180	XID?												brx zone, 40-60% total sulphides (4C)
F	1517	65	1517	180	IG												1 1/2' gouge @ contact between 5B6 & 4L
F	1613	155	1615	150	GPA 2												5'/19.5' recovery - mainly gouge
F	1615	150	1615	190	XIGP 3												1 1/2'/4', massive py & qtzite brx w/ sulphide infillings - some gouge
F			1619	45	IG												0.5 ft gouge @ contact between 5A1 & 5B6
F	1717	130	1717	190	IXID												minor brx + some slickensides
F	1717	190	1718	153	XIDIG												some brx w/ massive sulphide frags; minor gouge

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamshotom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 23 PAGE 1 of 5

LATITUDE 10-616.47N 2nd sec BEARING OF HOLE _____ STARTED July 25/74 D.S.

CLAIM No. GRUM 3

DEPARTURE 2 697.84 E 68 W DIP OF HOLE Vertical COMPLETED August 1/74 N.S.

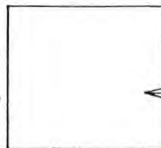
DIRECTION AND DISTANCE FROM

ELEVATION 712' P.A. Topog.
4185' A.S.L. DIP TESTS _____ DEPTH Ultimate: 1004'

NE. CLAIM POST

(1288.52 m)

(306.02 m)



FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	150	OVERBURDEN															
150	212	GREY TO BUFF ALTERED PHYLITE. (chlorite, sericite, mica, quartz-feldspar laminae). Note buff ankerite or altered sericite in foliation. Abundant quartz-feldspathic veins (173-184; 3' recovered 184-193,- 3' recovery) Core angle: 160' - 50°; 190' - 50°	49/62														
212	256	BLACK GRAPHITIC PHYLITE, WITH VEINS of buff ankerite? F ₁ locally subvertical to F ₂ . Graphitic layers boudined. Minor pyrite. Core angle: 210' - 45°; 240' - F ₂ 58°; 249-256' - 3' recovery	40/44														
256	272.5	MASSIVE PYRITIC SULPHIDE: Banded pyrite, orange-purple sphalerite, lesser galena, white barite and quartz eyes 80-85% sulphide. 10-15% combined lead-zinc. zinc > lead 256-259: 2.5' recovered. 263-266 - zinc 1' recovered; Core ange 270' - 43°	196/3 3.4/4 195/3 65/65	179 323 324 180	256 259 263 266	259 263 266 272.5	3 4 3 6.5	12.2 11.2 7.35 5.40	23.4 21.1 12.41 10.5	5.18 5.15 3.09 2.41				36.6 44.8 22.05 35.1	70.2 84.4 37.23 68.25	15.54 20.6 9.27 15.66	
272.5	331	LIGHT TO DARK GREY QUARTZ-FELDSPATHIC PHYLITE. Variably MINERALIZED with fine grained disseminated sulphides, concentrated in F ₁ and F ₂ layers. F ₁ layers locally subvertical to F ₂ SULPHIDE - 25-30%: rock broken, mud seams etc 290-304' Mineralization: pyrite, red sphalerite, galena, arsenopyrite, grade veins from 10% lead zinc #182, to 2-3% lead-zinc. Core angles: 280' = 55°; 300' - 65°; 320' - F ₁ subvertical F ₂ 75°	3/3 4/5.5 55/55 33/55 8/12 85/10 11/11	181 182 183 325 184 185 186	272.5 275.5 281 286.5 292 304 314 314	275.5 281 286.5 292 304 314 325	3.0 5.5 5.5 5.5 12 10 11	16.5 8.397 4.28 1.45 .70 .98 .43 .75	15.76 3.70 5.1 7.08 1.16 1.48 1.60 1.87 1.12	3.70 .47 1.71 .50 .32 .41 .27 .35		wt.AV.	138.55 1.44 23.54 7.97 3.85 11.76 4.3 8.25	260.08 1.53 38.94 6.88 8.14 19.20 8.7 12.32	61.07 1.41 9.40 2.75 1.76 4.92 2.7 3.85		
331	356.5	MASSIVE PYRITIC SULPHIDE with thin sericite or graphitic partings (0.5-1.5'). Note also mariposite, buff ankerite in sericite zones. Possibly shear zones. Sulphide banded, some F ₂ folds. Fragments of sulphide in sericite shear - breccia zones. 80-90% sulphide. Mineralogy: pyrite, sphalerite, (dark brown or orange), minor galena, barite. Grade up to 10% lead-zinc. Core angles: 340' - 65°; also F ₂ folds in massive sulphide.	6/6 1.6 25/32 85/10 95/95	187 188 326 189 190	325 331 332.8 337 347 356.5	331 332.8 337 347 356.5	6 1.8 4.2 10 9.5	2.85 2.94 5.55 4.88 4.50 2.93	4.86 4.76 12.1 2.50 10.8 9.00 8.16	1.18 1.27 2.50 2.94 2.06 1.47		wt.AV.	138.55 1.44 23.54 7.97 3.85 11.76 4.3 8.25	260.08 1.53 38.94 6.88 8.14 19.20 8.7 12.32	61.07 1.41 9.40 2.75 1.76 4.92 2.7 3.85		
													wt.AV.	103.326	234.66	51.478	

DIAMOND DRILL RECORD

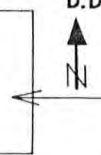
LOGGED BY Stanley Reamsbottom

D.D.H. No. A - 23 PAGE 2 of 5

CLAIM No. _____

DIRECTION AND DISTANCE FROM

NE. CLAIM POST



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

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
356.5	364	PALE GREY PHYLLITE. Sericite rich, grades to quartz mariposite phyllite in last 1'. Bands (2") of massive pyrite.	5/7.5		356.5	364											
364	369.3	BANDED BARITE RICH PYRITIC SULPHIDES. 70% PYRITE and orange-brown sphalerite with minor galena. 10% lead-zinc	5.3/5.3	191	364	369.3	5.3	4.50	9.48	2.21							
369.3	377	BLEACHED SERICITE PHYLLITE cut by quartz veins. grades to grey phyllite. sphalerite, pyrite, galena in quartz veins. Pyrite in broken muddy sericite phyllite. Shear? Minor mariposite. Core angle: 360' = 72°	6/7.7		369.3	377											
377	415	MASSIVE SULPHIDE. Red-orange or purplish sphalerite, with lesser galena and pyrite and minor chalcopryrite. 75% sulphide, with quartzo-feldspathic banded graphitic phyllite matrix. Note phyllite appears brecciated with interstices, infilled by sulphides. Also sulphides folded around F2 nose at 393'. Subvertical sulphide-schist layers. Grade - 20-25% lead-zinc. zinc > lead. Core angle: 380' = 53°; 392' subvertical; 400' = 52°	10/10 10/10 10/10 8/8	192 193 194 195	377 387 397 407 415	387 397 407 415	10 10 10 8	9.00 8.10 9.60 5.73	19.5 19.61 19.0 10.54	4.59 3.68 4.41 2.68				90.0 81.0 96.0 15.84	195.0 196.1 190.0 84.52	45.9 36.8 14.1 21.44	
					377.0	415.0	380.0	8.23	17.51	3.90	wt. Au	✓	312.84	665.42	148.24		
415	439	MINERALIZED BANDED QUARTZ-FELDSPATHIC GRAPHITIC PHYLLITE. Striped, thin quartz-feldspathic laminae. F1 locally high angle to F2. Ribbon effect. Mineralization: mainly blebs of pyrite concentrated in F1 layers. 30-40% sulphide. Sphalerite, galena. Core Angle: 420' - F2 fold nose subvertical layers: 440 - F1 50° F2 = 60° opposite dip. Grade - varies 2% lead-zinc to 8-11% lead-zinc in #198, which contains more sphalerite, galena, chalcopryrite.	10.3/10 5.1/7 7/7	196 197 198	415 426 432 439	426 432 439	11 6 7	.37 2 2.45	1.72 1.2 1.12	.38 .71 1.09				4.07 1.68 20.51	14.52 7.56 42.84	+18 2.46 7.63	
					415	432	17	0.34 1.63	1.3 18.24	0.39			5.75 27.83	22.06 18.24	6.64		
439	452	MASSIVE BANDED AND BRECCIATED SULPHIDE: 80-90% sulphides. Mainly pyrite, red-orange sphalerite, galena and chalcopryrite which has been locally brecciated and recemented by sulphide. Fragments of both sulphide and quartz-feldspar schist to 2" long. White flecks of barite. Grade: 15-20% lead-zinc: zinc > lead. Core angle: 450' - 50-65°	7/7 6/6	199 200	439 446	446 452	7 6	6.90 8.25	14.59 15.71	3.18 3.53				48.3 49.5	102.13 94.76	22.26 21.30	
					wt. Au	432.0	452.0	20.0	5.92	11.96	2.56	wt. Au	✓	118.31	234.23	51.19	
						439.0	452.0	13.0	7.52	15.11	3.35	(1.27%)		97.8	196.87	12.56	

377.0 415.0 380.0 8.23 17.51 3.90 wt. Au ✓ 312.84 665.42 148.24

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

D.D.H. No. A - 23 PAGE 3 of 5

PROPERTY _____

LATITUDE _____

BEARING OF HOLE _____

STARTED _____

DEPARTURE _____

DIP OF HOLE _____

COMPLETED _____

ELEVATION _____

DIP TESTS _____

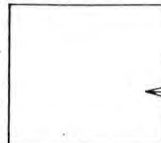
Proposed:
DEPTH Ultimate: _____



CLAIM No. _____

DIRECTION AND DISTANCE FROM _____

NE. CLAIM POST



FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
452	509	STRIPED QUARTZ-FELDSPAR. MINERALIZED GRAPHITIC PHYLITE. Mainly pyrite, concentrated in F ₁ layers. Thin (6") bands of massive pyrite locally. 35-40% sulphide. Note late chalcopyrite in tension fractures. Fault breccia 456-458 with pyrite, minor galena, buff carbonate in fractures. Note arsenopyrite at 469'. Brecciated zone 489'. pyrite, fragments. Core angles: 480 = F ₁ subvertical F ₂ - 59°; 500-F ₁ -31° F ₂ -71° opp dip.	10/10	301	452	462	10	3.23	3.78	1.06					
			10/10	302	462	472	10	.55	.76	.38			13.1	PbZn	
			10/10	303	472	482	10	.47	.89	2.00			13.6	"	
			10/10	304	482	492	10	.44	1.04	.35			14.8	"	
			10/10	305	492	502	10	.20	1.38	.27			15.8	"	
			7/7	306	502	509	7	.17	1.04	.18			8.47	"	
					462.0	509.0	47.0	1.4	PbZn		Wt. Av.		65.8	"	
509	536.5	Grades to more quartzo-feldspathic thinly laminated. MINERALIZED GREY AND SERICITIC PHYLITE. Thin bands (2-3") of pyrite, and blebs of disseminated pyrite and lesser sphalerite, galena? and chalcopyrite (in fractures). 30-40% SULPHIDE. Note last 2' of section sphalerite rich. Grade: 2-6% lead zinc: #310 8-11% Core angle: 520' - F ₁ = 76° F ₂ = 55° opp. dip.	10/10	307	509	519	10	.29	.60	.35			8.9	PbZn	
			10/10	308	519	529	10	.17	.67	.41			8.4	"	
			5/5	309	529	534	5	.27	.79	.21			5.30	"	
			4/4	310	534	538	4	3.83	4.56	1.91			15.32	18.24	7.64
					509.0	534.0	25.0	0.90	PbZn		Wt. Av.		22.6	PbZn	
					462.0	534.0	72.0	1.23	PbZn		Wt. Av.		88.37	PbZn	
536.5	557.8	MASSIVE PYRITIC SULPHIDE, with (in last 5-8') bands of sulphide in quartzo-feldspathic schist. 40 to 80% SULPHIDE. Mainly pyrite with local zones rich in sphalerite or galena. Minor chalcopyrite in late tension gashes. Note breccia zone from 550 - 557'. Also magnetite at 547-49'. Grade 4-6%. Lead-zinc. Core angles: 540' - 61°; 560' - 66°	6/6	311	538	544	6	1.45	.70	.85			8.70	2.30	5.1
			7/7	312	544	551	7	.14	.37	.26			.98	2.57	1.82
			6/8	313	551	557.8	6.8	.08	.78	.35			5.4	5.3	2.38
					539	541	10.0	2.90	2.24	1.27	Wt. Av.		24.02	22.44	12.74
557.8	570	DARK GREY, STRIPED, MINERALIZED, QUARTZ-FELDSPAR. GRAPHITIC PHYLITE. 25-30% Sulphide. Mainly pyrite in thin bands, and disseminated. Minor chalcopyrite, sphalerite and galena. 2-3% lead zinc.	10.2/												
			10.2	314	557.8	568	10.2	.05	.29	.15			.51	2.96	1.53
			2/2	315	568	570	2	.22	.65	.24			.44	1.30	.48
					544.0	568.0	24.0	.06	.45	.23	Wt. Av.		1.49	10.85	5.73
570	578	MASSIVE PYRITIC SULPHIDE which has been brecciated. 80-85% SULPHIDE. Mainly pyrite, with bands of red sphalerite and lesser galena. GRADE 8-10% lead zinc; zinc - lead. Note buff barite in fracture fillings.	8/8	316	570	578	8	2.18	2.94	1.03					
					568.0	578	10.0	1.77	2.48	0.87			17.88	24.82	8.72

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

D.D.H. No. A - 23 PAGE 4 of 5

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH Ultimate: _____



CLAIM No. _____
 DIRECTION AND DISTANCE FROM
 NE. CLAIM POST




FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
578	614	MEDIUM TO DARK GREY, MODERATELY GRAPHITIC PHYLITE. Thin quartz-feldspar laminae impart striped appearance Core angle: 596'-66°.	33/36														
614	622	PALE BLEACHED SERICITE CHLORITE PHYLITE with disseminated pyrrhotite, pyrite, sphalerite, galena between 615.5-619'. Core angle 620' = 50°	8/8														
622	678	MEDIUM GREY PHYLITE, local thin graphite rich bands. PYRITIC SULPHIDE BRECCIA between 655-659: Note mud seams 648-655. Core lost mainly between 628-659. Core angle 660' - 65°	37/56														
678	694	BLACK GRAPHITIC PHYLITE: STRIPED, quartz-feldspar laminae. F ₁ locally at high angle to F ₂ . Minor pyrite. Core angle 680'-72°	14/16														
694	716	GREY PHYLITE. locally sericite rich. Buff ankerite in foliation. Core angle 700' - 65°.															
716	772.5	BLEACHED MINERALIZED SERICITE PHYLITE. Locally up to 20% mineralized with pyrite, minor sphalerite or galena. Note buff ankerite in veins or in foliation. Rock broken, gouged 757-772 Core angle: 720' - 60°; 740' - 65°; 760' - 64°	8/8	317	728	736	8	.03	.03	.06		.16					
772.5	779.5	MASSIVE SULPHIDE, with minor partings of slickensided chlorite rich phyllite. Core angles subvertical as on F ₂ fold nose. 70-80% SULPHIDE. 10-12% lead zinc. Zinc > lead. Core angle: rock broken at 773'	7/7	318	772.5	779.5	7	4.80	6.48	1.76		.09	33.6	45.36	12.82		
779.5	785.5	BLEACHED QUARTZ-FELDSPAR SERICITE PHYLITE WITH Minor pyrite, sphalerite. Core angle 780 = subvertical.	1/60		779.5	785.5		-	-	-							
785.5	804.7	MASSIVE SULPHIDE. Pyritic with bands or breccia zones rich in sphalerite, galena. Note pyrrhotite and dark magnetite. 80-65% SULPHIDE. GRADE 8-10% lead zinc: zinc > lead. Core angle: 795' =	8.5/5/57	319/320/321	785.5/794/799	794/799/804.7	8.5/5/5.7	3.38/2.20/2.78	3.48/1.18/3.66	1.59/1.00/1.35		.30/.47/.27	28.73/11.0/15.84	29.58/5.9/20.86	13.57/5.0/7.69		

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

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

D.D.H. No. A - 23 PAGE 5 of 5

CLAIM No. _____

 DIRECTION AND DISTANCE FROM
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		50°; BRECCIATED MAINLY	5.3/ 5.3														
804.7	861.5	BLEACHED MINERALIZED SERICITE PHYLITE. 5-10% sulphide pyrite, with minor sphalerite, galena, chalcopyrite in tension gashes. Core angle: 820' = 46°; 840' = 52°; 860' = 35°		322	804.7	810	5.3	.32	.76	.15		.10					
				WT. Av.	772.5	774.0	21.5	2.9	3.49	1.20 (41) 74	✓		62.33	74.94	25.35		
				" "	785.5	804.7	19.2	2.89	2.93	1.36			55.11	56.34	26.2		
				WT. Av.	774.0	804.7	10.7	2.51	2.50	1.19 (41)			26.84	26.76	12.69		
				15.0	810.0	862.0											
861.5	876	DARK GREY, STRIPED QUARTZ-FELDSPAR GRAPHITIC PHYLITE. 10-15% mineralized, blebs pyrite. Note pyrrhotite pyrite rich breccia zone 867-870'	4/4	327	862	866	4	.73	.98	.35		.18	6.84	P8Zn			
			4/4	328	866	870	4	.85	.58	.53		.31	5.72	"			
			6/6	329	870	876	6	.50	.60	.32		.19	4.2	"			
876	886	BLEACHED SERICITE PHYLITE. Weakly mineralized. Mainly pyrite, minor chalcopyrite. Core angle 880' = 60°			862.0	876.0	14.0		1.19	P8Zn	wt. Av.		16.76	P8Zn			
					876.0	886.0											
886	904.5	PALE GREEN AND CREAM QUARTZ CHLORITE PHYLITE. Buff, altered. Chlorite rich. Core angle 900' = F ₁ = 65, F ₂ 85			886.0	904.5											
					886.0	904.5											
904.5	920	MASSIVE OR BANDED PYRITIC SULPHIDE. Locally brecciated and net veined by buff barite. Note pale sericite phyllite parting 909 - 913.5; Core angle 920' - 63°	4.5/ 4.5	330	904.5	909	4.5	1.43	1.08	.62		.19					
			7/7	331	909	913.5											
			7/7	331	913.5	920.5	7	.82	.82	.41		.17					
920	929	PALE, BUFF, BLEACHED SERICITE PHYLITE.															
929	1004	GREY-GREEN, and RED BROWN BIOTITE RICH PHYLITE. MICA is possibly phlogopite. Note F ₂ folds, later kink bands, tension gashes filled with buff quartz-carbonate. Core angles: 940' = 54°; 960' = 65°; 980' = 65°; 1000' - 80°															
	1004	END OF HOLE															
		0 - 26' NW															
		Size of Hole: 26 - 150' BW															
		150 - 1004' BQ															

Notes: Used drilling mud from collar to bottom.

DDH: FAGA023 -- 42 DEGREE PROFILE

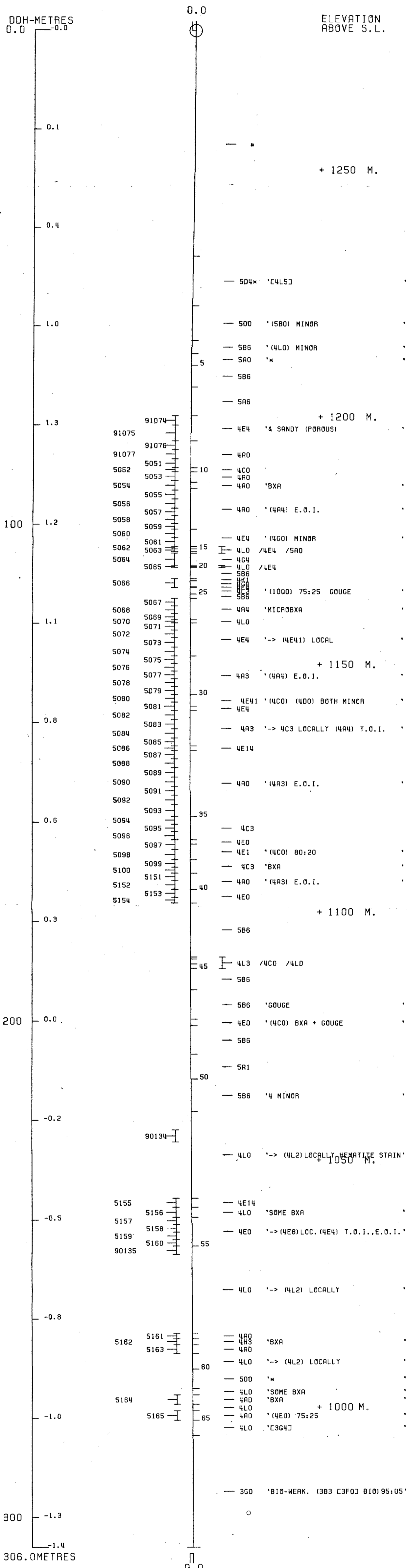
(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1278 592396E ; 904826N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

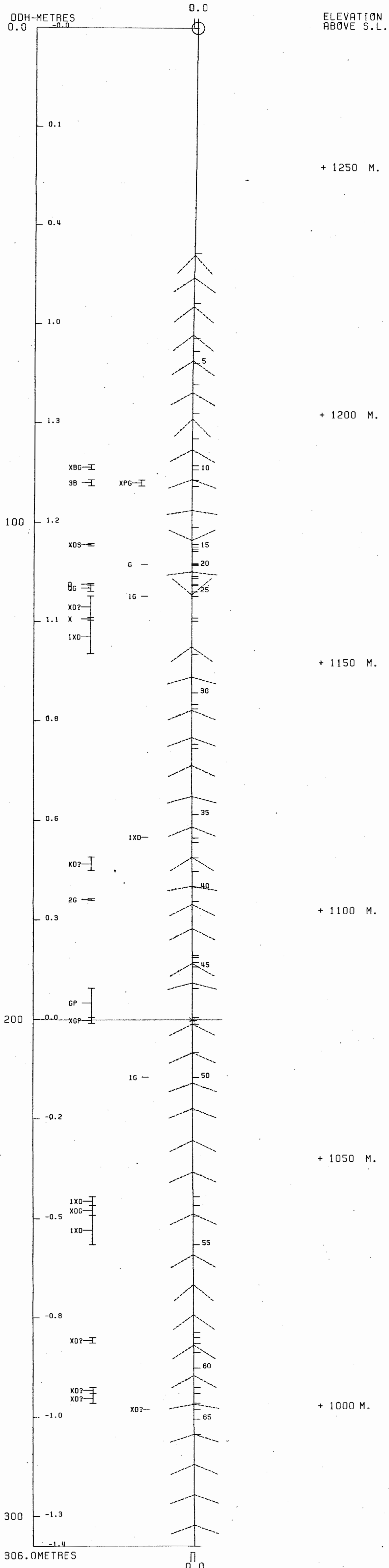
CORRECTED COLLAR POSITION: X = 436.7 Z = 1277.9

SECTION NAME: 68W



DDH: FAGA023 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1278 592396E ; 904826N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 436.7 Z = 1277.9
 SECTION NAME: 68W



74 A045

DCH	SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO
		FROM	TO															
FAGA045	1611	44.5	50.9	6.4	9	4B4	3.06	.12	4.63	7.23	67.0	.55	1.75	3.15		11.86	4.90	.61
	9C160	50.9	51.8	.9	100	4B0			.73	3.18	9.9					3.91		.81
	1613	51.8	53.0	1.2	17	4B4	2.97	.04	2.64	5.83	37.0	.48	2.57	4.07		8.47	6.64	.69
	1614	53.0	55.9	2.9	62	4B0	2.90	.03	1.96	5.15	37.0	.27	2.38	.98		7.11	3.36	.72
	1615	55.9	57.9	2.0	75	400	3.67	.04	3.37	5.05	60.0	1.37	2.96	19.50		8.42	22.46	.60
	1616	57.9	61.0	3.1	1C	4D4	4.02	.06	4.51	12.90	72.0	1.17	5.24	18.90		17.41	24.14	.74
	1617	61.0	61.9	.9		4D4	3.40	.04	7.52	5.05	105.0	1.37				12.57		.40
	1618	64.2	66.4	2.2	95	4A4	3.56	.08	6.17	9.05	99.0	1.23				15.22		.59
	90162	66.4	67.2	.8	75	10Q0			2.30	4.42	19.2					6.72		.66
	1619	73.8	76.5	2.7	89	4A0	3.10	.10	.45	1.21	11.0	.48	1.21	13.90		1.66	15.11	.73
	1620	76.5	77.7	1.2	10G	4E4	4.62	.13	6.90	15.90	119.0	.48	5.82	24.90		22.80	30.72	.70
	1621	77.7	79.2	1.5	93	4E0	4.38	.14	7.95	15.50	124.0	.48	3.78	22.90		23.45	26.68	.66
	1622	79.2	81.1	1.9	79	4E4	4.80	.24	9.08	16.20	162.0	1.44	2.61	27.10		25.28	29.71	.64
	1623	81.1	83.8	2.7	41	4E4	4.74	.18	9.49	16.80	157.0	1.03	3.44	26.50		26.29	29.94	.64
	1624	83.8	84.4	.6	50	4E4	4.63	.13	7.73	16.20	165.0	.48	4.05	27.20		23.93	31.25	.68
	1625	84.4	86.6	2.2	95	4A0	3.12	.11	1.42	2.41	17.0	.75	1.89	11.40		3.83	13.29	.63
	1626	86.6	87.9	1.3	92	4A4	3.50	.12	3.05	5.73	64.0	1.03	1.68	16.40		8.78	18.08	.65
	1627	166.1	167.8	1.7	18	GOUGE	2.79	.06	.19	.42	4.0	.27	2.20	5.50		.61	7.70	.69
	1628	167.8	169.5	1.7	53	4A4	3.65	.14	2.99	5.09	42.0					8.08		.63
	1629	169.5	171.3	1.8	94	4E1	2.85	.10	.22	.35	6.0	.27	2.27	7.40		.57	9.67	.61
	1630	171.3	172.8	1.5	100	4A0	2.84	.13	.73	2.29	16.0	.62	3.93	6.10		3.02	10.03	.76
	9C163	177.7	178.8	1.1	82	5D4*			1.48	.86	19.2					2.34		.37
	1631	192.9	193.9	1.0	20	4D0	3.48	.02	2.66	3.87	78.0	.62	2.70	15.60		6.53	18.30	.59
	1632	193.9	195.1	1.2	100	4G4	4.30	.09	6.79	8.53	125.0	1.44	.73	12.40		15.32	13.13	.56
	1633	195.1	196.6	1.5	60	4AL4	3.07	.06	2.62	3.34	40.0	.69	1.36	7.90		5.96	9.26	.56
	1634	196.6	198.0	1.4	36	4G4	4.23	.18	5.32	8.27	99.0	1.65	1.53	18.20		13.59	19.73	.61
	1635	199.0	201.2	2.2	100	4E1	4.29	.24	2.52	2.20	35.0	2.06	5.88	32.30		4.72	38.18	.47
	1636	201.2	202.7	1.5	100	4E1	4.34	.24	1.81	.37	20.0	.96	7.91	31.00		2.18	38.91	.17
	1637	202.7	204.2	1.5	100	4E18	4.30	.23	6.81	3.46	84.0	1.51	13.05	21.10		10.27	34.15	.34
	1638	204.2	207.3	3.1	97	4E0	3.65	.30	1.07	.22	18.0	.55	3.49	22.40		1.29	25.85	.17
	1639	207.3	208.8	1.5	100	4E0	3.57	.25	.38	.18	11.0	.48	2.52	23.10		.56	25.62	.32
	1640	208.8	210.3	1.5	80	4E0	3.81	.21	1.20	1.10	20.0	1.78	4.06	25.10		2.30	29.16	.48
	1641	210.3	210.9	.6	83	4E0	3.86	.32	2.17	1.08	33.0	1.30	10.43	19.90		3.25	30.33	.33
	1642	210.9	212.4	1.5	100	4E1	4.31	.34	1.97	1.84	35.0	.65	6.03	29.50		3.81	35.53	.48
	1643	212.4	213.1	.7	71	4A3	3.33	.23	1.40	2.51	22.0	.41	5.79	13.20		3.91	18.99	.64

DDM	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %					OTHER	*	CPY	NORMATIVE MINERALS - VOLUME %					OTHER
				GA	SP	PC	PY	BAR				GA	SP	PO	PY	BAR	
FAGAC45	1611	4B4	.35	5.35	10.78	2.75	6.77		74.00	*	.26	2.20	8.33	1.85	4.19		83.18
	9C160	4B0		.84	4.74				94.42	*							
	1613	4B4	.12	3.05	8.69	4.04	8.75		75.35	*	-.08	1.25	6.66	2.69	5.36		83.96
	1614	4B0	.09	2.26	7.68	3.74	2.11		84.12	*	-.06	.89	5.63	2.39	1.24		89.79
	1615	4D0	.12	3.89	7.53	4.66	41.93		41.87	*	-.10	1.92	6.96	3.74	31.00		56.28
	1616	4D4	.17	5.21	19.23	8.24	40.64		26.50	*	-.16	2.77	19.15	7.14	32.38		38.39
	1617	4D4	.12	8.68	7.53				83.67	*							
	1618	4A4	.23	7.13	13.49				79.15	*							
	9C162	10Q0		2.66	6.59				90.75	*							
	1619	4A0	.29	.52	1.80	1.90	29.89		65.59	*	-.22	.22	1.46	1.34	19.39		77.36
	1620	4E4	.38	7.97	23.70	9.15	53.55		5.25	*	.41	4.90	27.33	9.18	49.38		8.81
	1621	4E0	.40	9.18	23.11	5.94	49.25		12.12	*	-.43	5.41	25.51	5.71	43.50		19.46
	1622	4E4	.69	10.49	24.15	4.10	58.28		2.29	*	-.79	6.66	28.78	4.25	55.56		3.96
	1623	4E4	.52	10.96	25.05	5.41	56.99		1.08	*	-.60	7.02	30.09	5.65	54.77		1.88
	1624	4E4	.38	8.93	24.15	6.37	58.49		1.68	*	-.43	5.66	28.73	6.59	55.67		2.91
	1625	4A0	.32	1.64	3.59	2.97	24.52		66.96	*	-.24	.70	2.89	2.08	15.77		78.32
	1626	4A4	.35	3.52	8.54	2.64	35.27		49.68	*	-.29	1.65	7.52	2.02	24.85		63.65
	1627	GOUGE	.17	.22	.63	3.46	11.83		83.69	*	-.12	.09	.46	2.23	7.00		90.10
	1628	4A4	.40	3.45	7.59				88.55	*							
	1629	4E1	.29	.25	.52	3.57	15.91		79.45	*	-.21	.10	.39	2.35	9.62		87.33
	1630	4A0	.38	.84	3.41	6.18	13.12		76.07	*	-.27	.34	2.61	4.11	8.03		84.63
	9C163	5D4*		1.71	1.28				97.01	*							
	1631	4D0	.06	3.07	5.77	4.25	33.55		53.31	*	-.05	1.42	4.99	3.20	23.23		67.11
	1632	4G4	.26	7.84	12.72	1.15	26.67		51.37	*	-.22	3.66	11.14	.87	18.68		65.43
	1633	4AL4	.17	3.03	4.98	2.14	16.99		72.69	*	-.13	1.26	3.89	1.45	10.62		82.64
	1634	4G4	.52	6.14	12.33	2.41	39.14		39.46	*	-.46	3.07	11.53	1.96	29.29		53.69
	1635	4E1	.69	2.91	3.28	9.25	69.46		14.41	*	-.73	1.72	3.64	8.93	61.70		23.27
	1636	4E1	.69	2.09	.55	12.44	66.67		17.56	*	-.72	1.21	.60	11.76	57.96		27.76
	1637	4E18	.66	7.86	5.16	20.52	45.38		20.41	*	-.67	4.47	5.50	19.02	38.69		31.65
	1638	4EC	.87	1.24	.33	5.49	48.17		43.91	*	-.76	.60	.30	4.38	35.36		58.60
	1639	4EC	.72	.44	.27	3.96	49.68		44.93	*	-.63	.21	.24	3.14	36.22		59.56
	1640	4EC	.61	1.39	1.64	6.39	53.98		36.00	*	-.56	.71	1.58	5.34	41.50		50.33
	1641	4EC	.92	2.51	1.61	16.40	42.79		35.76	*	-.84	1.28	1.54	13.67	32.81		49.85
	1642	4E1	.98	2.28	2.74	9.48	63.44		21.08	*	-.99	1.28	2.90	8.72	53.68		32.42
	1643	4A3	.66	1.62	3.74	9.11	28.39		56.48	*	-.54	.73	3.17	6.71	19.24		69.61

DRILL HOLE : FAGA045
NORTHING : 904,869.2
EASTING : 592,435.8
ELEVATION : 1,281.6
TOTAL DEPTH : 235.3
SECTION : W 68
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 35
NOS DOWN-H-SURVEYS: 4
NOS DOWN-H-LITHCLOGY: 50
NOS DOWN-H-STRUCTURE: 40
NOS DOWN-H-FAULTS: 14
NOS DOWN-H-SPLINES: 4
NOS COMPOSITES: 0

21FEB84 GRUM

CRE SAMPLES & ASSAYS (DHC20)

PAGE: 53

DDH: FAGA045 UTM-N: 904,869.2 UTM-E: 592,435.8 UTM-ELEV: 1,281.6 TOTAL DEPTH: 235.3 SECTION: W 68
 RFE: S2 RFE DIR: 230 FLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	ASSAYS														
FROM	TO					S.G. PULP	CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AU(FA) G/MT	PC %	PY %	TOT FE	BAO %	HG %	MN %	AS %	BA %
44.5	50.9	01611	6.4	.6	4B4	3.06	.12	4.63	7.23	67.00		.55	1	3	4					
50.9	51.8	9C160	.9	.9	4B0			.73	3.18	9.90										
51.8	53.0	01613	1.2	.2	4B4	2.97	.04	2.64	5.83	37.00		.48	2	4	6					
53.0	55.9	01614	2.9	1.8	4B0	2.90	.03	1.96	5.15	37.00		.27	2		3					
55.9	57.9	01615	2.0	1.5	400	3.67	.04	3.37	5.05	60.00		1.37	2	19	22					
57.9	61.0	01616	3.1	.3	4C4	4.02	.06	4.51	12.90	72.00		1.17	5	18	24					
61.0	61.9	01617	.9	.0	4D4	3.40	.04	7.52	5.05	105.00		1.37								
64.2	66.4	01618	2.2	2.1	4A4	3.56	.08	6.17	9.05	99.00		1.23								
66.4	67.2	9C162	.8	.6	10Q0			2.30	4.42	19.20										
73.8	76.5	01619	2.7	2.4	4A0	3.10	.10	.45	1.21	11.00		.48	1	13	15					
76.5	77.7	01620	1.2	1.2	4E4	4.62	.13	6.90	15.90	119.00		.48	5	24	30					
77.7	79.2	01621	1.5	1.4	4E0	4.38	.14	7.95	15.50	124.00		.48	3	22	26					
79.2	81.1	01622	1.9	1.5	4E4	4.80	.24	9.08	16.20	162.00		1.44	2	27	29					
81.1	83.8	01623	2.7	1.1	4E4	4.74	.18	9.49	16.80	157.00		1.03	3	26	29					
83.8	84.4	01624	.6	.3	4E4	4.63	.13	7.73	16.20	165.00		.48	4	27	31					
84.4	86.6	01625	2.2	2.1	4A0	3.12	.11	1.42	2.41	17.00		.75	1	11	13					
86.6	87.9	01626	1.3	1.2	4A4	3.50	.12	3.05	5.73	64.00		1.03	1	16	18					
166.1	167.8	01627	1.7	.3	GOUGE	2.79	.06	.19	.42	4.00		.27	2	5	7					
167.8	169.5	01628	1.7	.9	4A4	3.65	.14	2.99	5.09	42.00										
169.5	171.3	01629	1.8	1.7	4E1	2.85	.10	.22	.35	6.00		.27	2	7	9					
171.3	172.8	01630	1.5	1.5	4A0	2.84	.13	.73	2.29	16.00		.62	3	6	10					
177.7	178.8	9C163	1.1	.9	5D4*			1.48	.86	19.20										
192.9	193.9	01631	1.0	.2	4D0	3.48	.02	2.66	3.87	78.00		.62	2	15	18					
193.9	195.1	01632	1.2	1.2	4G4	4.30	.09	6.79	8.53	125.00		1.44		12	13					
195.1	196.6	01633	1.5	.9	4AL4	3.07	.06	2.62	3.34	40.00		.69	1	7	9					
196.6	198.0	01634	1.4	.5	4G4	4.23	.18	5.32	8.27	99.00		1.65	1	18	19					
199.0	201.2	01635	2.2	2.2	4E1	4.29	.24	2.52	2.20	35.00		2.06	5	32	38					
201.2	202.7	01636	1.5	1.5	4E1	4.34	.24	1.81	.37	20.00		.96	7	31	38					
202.7	204.2	01637	1.5	1.5	4E18	4.30	.23	6.81	3.46	84.00		1.51	13	21	34					
204.2	207.3	01638	3.1	3.0	4EC	3.65	.30	1.07	.22	18.00		.55	3	22	25					
207.3	208.8	01639	1.5	1.5	4EC	3.57	.25	.38	.18	11.00		.48	2	23	25					
208.8	210.3	01640	1.5	1.2	4EC	3.81	.21	1.20	1.10	20.00		1.78	4	25	29					
210.3	210.9	01641	.6	.5	4EC	3.86	.32	2.17	1.08	33.00		1.30	10	19	30					
210.9	212.4	01642	1.5	1.5	4E1	4.31	.34	1.97	1.84	35.00		.65	6	29	35					
212.4	213.1	01643	.7	.5	4A3	3.33	.23	1.40	2.51	22.00		.41	5	13	18					

WEIGHTED AVERAGE

44.5	61.9	17.4	5.3	3.12	.06	3.82	7.22	59.02		.71	12	7	9							
64.2	67.2	3.0	2.7	2.61	.05	5.13	7.81	77.72		.90										
73.8	87.9	14.1	11.2	4.01	.14	5.39	10.22	92.89		.80	2	20	23							
166.1	172.8	6.7	4.4	3.03	.10	1.02	2.00	16.86		.27	2	4	6							
177.7	178.8	1.1	.9			1.48	.86	19.20												
192.9	198.0	5.1	2.8	3.75	.09	4.35	6.01	83.64		1.11	1	13	14							
199.0	213.1	14.1	13.4	3.96	.26	2.08	1.30	30.00		1.09	5	25	31							

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ORE SAMPLES & ASSAYS (DHC20)

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DDH: FAGA045 UTM-N: 904,869.2 UTM-E: 592,435.8 UTM-ELEV: 1,281.6 TOTAL DEPTH: 235.3 SECTION: W 68
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	AL(FA) G/MT	PO %	PY %	TCT FE	BAO %	HG %	MN %

21FEB84 GRUM

DOWN-HOLE SURVEYS (DHO2G)

PAGE: 55

DDH: FAGA045 UTM-N: 904,869.2 UTM-E: 592,435.8 UTM-ELEV: 1,281.6 TOTAL DEPTH: 235.3 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
61.000	179.000	33.000
121.900	176.000	61.000
195.100	176.800	93.000

21FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 56

DCH: FAGA045 UTM-N: 904,269.2 UTM-E: 592,435.8 UTM-ELEV: 1,281.6 TOTAL DEPTH: 235.3 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
44.5	0C01	#		0.5-	1
54.9	0C02	4E4	(4B0) C.O.I.	0.5-	1
61.9	0C03	4D4	(4E4) MINOR (4DC) T.O.I.	0.5-	1
64.2	0C04	4LC	(5B6) 85:15	0.5-	1
66.4	0C05	4A4		0.5-	1
70.6	0C06	10Q0		0.5-	1
73.8	0G07	4LC		0.5-	1
76.5	0C08	4AC		0.5-	1
78.9	0C09	4E4	PCROUS	0.5-	1
79.3	0G10	4D4		0.5-	1
84.4	0G11	4E4	PCROUS	0.5-	1
87.9	0C12	4A0	(4L0)(4E0)BOTH MINOR (4A4)EOI	0.5-	1
96.3	0C13	5B6	[3G0]	0.5-	1
98.8	0C14	4LC	[5D6]	0.5-	1
101.0	0C15	5B6	[3G0]	0.5-	1
101.8	0C16	4LC	[5D4*]	0.5-	1
119.3	0G17	5B6	[3G0]	0.5-	1
119.6	0C18	5B0	BIO	0.5-	1
134.7	0C19	5B6	[3G0]	0.5-	1
136.6	0C20	5D4	BIO [4L0 BIO]	0.5-	1
142.1	0C21	5B6	BIO [3G0]	0.5-	1
144.2	0G22	5D4*	[4L0]	0.5-	1
159.7	0C23	5B6	[3G0]	0.5-	1
162.8	0C24	5D4*	[4L3->4L0](4AC)(10Q0)75:15:10	0.5-	1
164.7	0C25	5B6	[3G0]	0.5-	1
164.9	0C26	4LC		0.5-	1
167.6	0C27	GOUGE		0.5-	1
169.5	0G28	4A4	BXA	0.5-	1
170.8	0C29	4E1	->(4E14)(4A0)(4D0) BOTH MINOR	0.5-	1
172.6	0C30	4AC		0.5-	1
179.4	0C31	5D4*	[4L0] (4C0) MINOR	0.5-	1
182.6	0C32	5B6	[3G0]	0.5-	1
186.9	0C33	5D4*	BIO [4L0 -> 4L2 BIO]	0.5-	1
192.9	0C34	5B6	8 BIO [3G0]	0.5-	1
193.9	0C35	4C0	(4A0) MINOR	0.5-	1
195.1	0C36	4G4		0.5-	1
195.3	0G37	4LC	[4L3]	0.5-	1
196.6	0C38	4AC		0.5-	1
198.0	0G39	4G4		0.5-	1
199.0	0C40	5D4*	[4L0]	0.5-	1
203.6	0C41	4E1	-> (4E18)	0.5-	1
204.2	0G42	4E8		0.5-	1
205.4	0C43	4E1	(4C3) 60:40	0.5-	1
209.9	0C44	4E1	(4C3) BXA 60:40	0.5-	1
211.4	0C45	4E1	(4C3) 60:30	0.5-	1
212.5	0C46	4E1	(4C0) MINOR	0.5-	1
213.1	0C47	4A3		0.5-	1
220.4	0C48	4LC	BIO	0.5-	1
223.0	0C49	5B6	8 BIO [3G0]	0.5-	1
235.3	0C50	4LC	(4L7) (5B6) BOTH MINOR	0.5-	1

DDH: FAGA045 UTM-N: 904,869.2 UTM-E: 592,435.8 UTM-ELEV: 1,281.6 TOTAL DEPTH: 235.3 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHO CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SO	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	COE	DHDC	SDC	PROCESS
FAGAC45	0.C	63.1				0	0	0	0	0	22	230	C			1	1	1
FAGA045	0.C	70.6	PS2	P		0	0	0	0	C	65	230	C			1	1	1
FAGAC45	0.C	76.5	PS2	P		0	0	0	0	C	49	230	C			1	1	1
FAGAC45	70.6	76.5	PS2	P		0	0	0	0	0	0	0	0			1	1	1
FAGAC45	0.C	84.4	PS2	P		0	0	0	0	0	40	230	C			1	1	1
FAGA045	76.5	84.4	PS2	P		0	0	0	0	C	0	0	0			1	1	1
FAGAC45	0.C	91.7	CS2			0	0	0	0	C	75	230	C			1	1	1
FAGAC45	0.C	97.5	CS2			0	0	0	0	C	80	230	C			1	1	1
FAGA045	0.C	103.6	CS2			0	0	0	0	C	74	230	C			1	1	1
FAGAC45	0.C	110.0	CS2			0	0	0	0	0	70	230	0			1	1	1
FAGA045	84.4	111.6	CS2	S		0	0	0	0	C	0	C	C			1	1	1
FAGAC45	0.C	115.8	CS2			0	0	0	0	C	80	230	C			1	1	1
FAGAC45	0.C	121.9	CS2			0	0	0	0	C	73	230	C			1	1	1
FAGAC45	0.C	127.4	CS2	Z		0	0	0	0	0	70	230	C			1	1	1
FAGA045	111.6	127.4	CS2	Z		0	0	0	0	0	0	0	C			1	1	1
FAGA045	0.C	133.2	F2	D		0	0	0	0	0	66	230	0			1	1	1
FAGAC45	127.4	133.2	CS2	D		0	0	0	0	C	0	0	0			1	1	1
FAGAC45	0.C	137.8	CS2			0	0	0	0	G	70	230	C			1	1	1
FAGA045	0.C	144.3	CS2			0	C	0	0	C	72	230	0			1	1	1
FAGAC45	133.2	144.3	CS2	S		0	0	0	0	C	0	0	C			1	1	1
FAGA045	0.C	150.3	CS2			0	0	0	0	C	70	230	C			1	1	1
FAGAC45	0.C	154.8	CS2			0	C	0	0	G	65	230	C			1	1	1
FAGAC45	0.C	160.9	CS2			0	C	0	0	C	72	230	C			1	1	1
FAGAC45	0.C	164.9	CS2	Z		0	0	0	0	G	74	230	C			1	1	1
FAGA045	144.3	164.9	CS2	Z		0	0	0	0	0	0	C	G			1	1	1
FAGA045	0.C	172.8	CS2	D		0	0	0	0	C	74	230	0			1	1	1
FAGAC45	0.C	179.4	CS2			0	0	0	0	C	71	230	0			1	1	1
FAGAC45	0.C	185.3	CS2			0	0	0	0	0	75	230	C			1	1	1
FAGA045	172.8	187.8	CS2	D		0	0	0	0	C	0	0	C			1	1	1
FAGA045	0.C	192.9	CS2	Z		0	0	0	0	C	63	230	C			1	1	1
FAGAC45	187.8	192.9	CS2	Z		0	0	0	0	0	0	0	0			1	1	1
FAGAC45	0.C	198.4	PS2			0	0	0	0	C	65	230	C			1	1	1
FAGA045	0.C	205.4	PS2	P		0	0	0	0	0	58	230	C			1	1	1
FAGA045	192.9	205.4	PS2	P		0	0	0	0	0	0	C	C			1	1	1
FAGA045	0.C	212.5	PS2	Z		0	0	0	0	0	72	230	C			1	1	1
FAGAC45	0.C	217.3	CS2			0	0	0	0	C	67	230	G			1	1	1
FAGAC45	0.C	223.4	CS2			0	0	0	0	C	69	230	C			1	1	1
FAGA045	0.C	229.5	CS2			0	0	0	0	C	70	230	0			1	1	1
FAGAC45	0.C	235.3	CS2			0	0	0	0	0	71	230	C			1	1	1
FAGA045	212.5	235.3	CS2	Z		0	0	0	0	C	0	0	C			1	1	1

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DOWN-HOLE FAULTS (DHO20)

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DDH: FAGA045 UTM-N: 904,809.2 UTM-E: 592,435.8 UTM-ELEV: 1,281.6 TOTAL DEPTH: 235.3 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD			
FAGA045	44.5	54.8	P1X		1		0	0	0	0	1		
FAGA045	64.1	66.6	1XD				0	0	C	C	0	0	1
FAGAC45	66.4	70.5	G				0	0	C	C	0	0	1
FAGAC45	86.5	87.9	XD?				0	0	C	C	0	0	1
FAGAC45	87.9	91.4	G				0	0	C	C	0	0	1
FAGAC45	0.C	144.1	1G				0	0	C	C	0	0	1
FAGAC45	146.7	147.6	G				0	0	C	C	0	0	1
FAGAC45	164.8	167.6	PG				0	0	C	C	0	0	1
FAGAC45	167.6	169.4	XD?				C	0	C	C	0	0	1
FAGAC45	169.4	170.8	1XD				0	0	C	C	0	0	1
FAGAC45	170.8	172.8	3B				0	0	C	C	0	0	1
FAGAC45	192.9	193.8	P3B		C		0	0	C	C	0	0	1
FAGAC45	205.3	209.9	XD?				0	0	C	C	0	0	1
FAGAC45	209.9	211.3	1XD				0	0	C	C	0	0	1

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DOWN-HOLE SPLINES (DHO20)

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DDH: FAGA045 UTM-N: 904,869.2 UTM-E: 592,435.8 UTM-ELEV: 1,281.6 TOTAL DEPTH: 235.3 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA045	1	2
FAGA045	2	2
FAGAC45	3	2
FAGAC45	4	1

84/10/16

GRUM DATABASE - QUIZ REPORT

PAGE 5

DDH	SAMPLE	---DEPTHS---		INT M	REC X	ROCK UNIT	S.G.	CU X	PB X	ZN X	AG G/MT	AU G/MT	PD X	PY X	BAO X	PB+ZN X	PO+PY X	ZN RATIO
		FROM	TO															
FAGA045	1611	44.5	50.9	6.4	9	4B4	3.06	.12	4.63	7.23	67.0	.55	1.75	3.15		11.86	4.90	.61
	9C160	50.9	51.8	.9	100	4B0			.73	3.18	9.9					3.91		.81
	1613	51.8	53.0	1.2	17	4B4	2.97	.04	2.64	5.83	37.0	.48	2.57	4.07		8.47	6.64	.69
	1614	53.0	55.9	2.9	62	4B0	2.90	.03	1.96	5.15	37.0	.27	2.38	.98		7.11	3.36	.72
	1615	55.9	57.9	2.0	75	4D0	3.67	.04	3.37	5.05	60.0	1.37	2.96	19.50		8.42	22.46	.60
	1616	57.9	61.0	3.1	10	4D4	4.02	.06	4.51	12.90	72.0	1.17	5.24	18.90		17.41	24.14	.74
	1617	61.0	61.9	.9		4D4	3.40	.04	7.52	5.05	105.0	1.37				12.57		.40
	1618	64.2	66.4	2.2	95	4A4	3.56	.08	6.17	9.05	99.0	1.23				15.22		.59
	9C162	66.4	67.2	.8	75	10Q0			2.30	4.42	19.2					6.72		.66
	1619	73.8	76.5	2.7	89	4A0	3.10	.10	.45	1.21	11.0	.48	1.21	13.90		1.66	15.11	.73
	1620	76.5	77.7	1.2	100	4E4	4.62	.13	6.90	15.90	119.0	.48	5.82	24.90		22.80	30.72	.70
	1621	77.7	79.2	1.5	93	4EC	4.38	.14	7.95	15.50	124.0	.48	3.78	22.90		23.45	26.68	.66
	1622	79.2	81.1	1.9	79	4E4	4.80	.24	9.08	16.20	162.0	1.44	2.61	27.10		25.28	29.71	.64
	1623	81.1	83.8	2.7	41	4E4	4.74	.18	9.49	16.80	157.0	1.03	3.44	26.50		26.29	29.94	.64
	1624	83.8	84.4	.6	50	4E4	4.63	.13	7.73	16.20	165.0	.48	4.05	27.20		23.93	31.25	.68
	1625	84.4	86.6	2.2	95	4A0	3.12	.11	1.42	2.41	17.0	.75	1.89	11.40		3.83	13.29	.63
	1626	86.6	87.9	1.3	92	4A4	3.50	.12	3.05	5.73	64.0	1.03	1.68	16.40		8.78	18.08	.65
	1627	166.1	167.8	1.7	18	GOUGE	2.79	.06	.19	.42	4.0	.27	2.20	5.50		.61	7.70	.69
	1628	167.8	169.5	1.7	53	4A4	3.65	.14	2.99	5.09	42.0					8.08		.63
	1629	169.5	171.3	1.8	94	4E1	2.85	.10	.22	.35	6.0	.27	2.27	7.40		.57	9.67	.61
	1630	171.3	172.8	1.5	100	4A0	2.84	.13	.73	2.29	16.0	.62	3.93	6.10		3.02	10.03	.76
	9C163	177.7	178.8	1.1	82	5D4*			1.48	.86	19.2					2.34		.37
	1631	192.9	193.9	1.0	20	4D0	3.48	.02	2.66	3.87	78.0	.62	2.70	15.60		6.53	18.30	.59
	1632	193.9	195.1	1.2	100	4G4	4.30	.09	6.79	8.53	125.0	1.44	.73	12.40		15.32	13.13	.56
	1633	195.1	196.6	1.5	60	4AL4	3.07	.06	2.62	3.34	40.0	.69	1.36	7.90		5.96	9.26	.56
	1634	196.6	198.0	1.4	36	4G4	4.23	.18	5.32	8.27	99.0	1.65	1.53	18.20		13.59	19.73	.61
	1635	199.0	201.2	2.2	100	4E1	4.29	.24	2.52	2.20	35.0	2.06	5.88	32.30		4.72	38.18	.47
	1636	201.2	202.7	1.5	100	4E1	4.34	.24	1.81	.37	20.0	.96	7.91	31.00		2.18	38.91	.17
	1637	202.7	204.2	1.5	100	4E18	4.30	.23	6.81	3.46	84.0	1.51	13.05	21.10		10.27	34.15	.34
	1638	204.2	207.3	3.1	97	4EC	3.65	.30	1.07	.22	18.0	.55	3.49	22.40		1.29	25.89	.17
	1639	207.3	208.8	1.5	100	4EC	3.57	.25	.38	.18	11.0	.48	2.52	23.10		.56	25.62	.32
	1640	208.8	210.3	1.5	80	4EC	3.81	.21	1.20	1.10	20.0	1.78	4.06	25.10		2.30	29.16	.48
	1641	210.3	210.9	.6	83	4EC	3.86	.32	2.17	1.08	33.0	1.30	10.43	19.90		3.25	30.33	.33
	1642	210.9	212.4	1.5	100	4E1	4.31	.34	1.97	1.84	35.0	.65	6.03	29.50		3.81	35.53	.48
	1643	212.4	213.1	.7	71	4A3	3.33	.23	1.40	2.51	22.0	.41	5.79	13.20		3.91	18.99	.64

ODH	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %						OTHER *	CPY	NORMATIVE MINERALS - VOLUME %						OTHER
				GA	SP	PC	PY	BAR	GA			SP	PO	PY	BAR			
FAGA045	1611	4B4	.35	5.35	10.78	2.75	6.77		74.00	*	.26	2.20	8.33	1.85	4.19		83.18	
	9C160	4B0		.84	4.74				94.42	*								
	1613	4B4	.12	3.05	8.69	4.04	8.75		75.35	*	.08	1.25	6.66	2.69	5.36		83.96	
	1614	4B0	.09	2.26	7.68	3.74	2.11		84.12	*	.06	.89	5.63	2.39	1.24		89.79	
	1615	4D0	.12	3.89	7.53	4.66	41.93		41.87	*	.10	1.92	6.96	3.74	31.00		56.28	
	1616	4D4	.17	5.21	19.23	8.24	40.64		26.50	*	.16	2.77	19.15	7.14	32.38		38.39	
	1617	4D4	.12	8.68	7.53				83.67	*								
	1618	4A4	.23	7.13	13.49				79.15	*								
	9C162	10Q0		2.66	6.59				90.75	*								
	1619	4A0	.29	.52	1.80	1.90	29.89		65.59	*	.22	.22	1.46	1.34	19.39		77.36	
	1620	4E4	.38	7.97	23.70	9.15	53.55		5.25	*	.41	4.90	27.33	9.18	49.38		8.81	
	1621	4E0	.40	9.18	23.11	5.94	49.25		12.12	*	.43	5.41	25.51	5.71	43.50		19.46	
	1622	4E4	.69	10.49	24.15	4.10	58.28		2.29	*	.79	6.66	28.78	4.25	55.56		3.96	
	1623	4E4	.52	10.96	25.05	5.41	56.99		1.08	*	.60	7.02	30.09	5.65	54.77		1.88	
	1624	4E4	.38	8.93	24.15	6.37	58.49		1.68	*	.43	5.66	28.73	6.59	55.67		2.91	
	1625	4A0	.32	1.64	3.59	2.97	24.52		66.96	*	.24	.70	2.89	2.08	15.77		78.32	
	1626	4A4	.35	3.52	8.54	2.64	35.27		49.68	*	.29	1.65	7.52	2.02	24.85		63.65	
	1627	GCUGE	.17	.22	.63	3.46	11.83		83.69	*	.12	.09	.46	2.23	7.00		90.10	
	1628	4A4	.40	3.45	7.59				88.55	*								
	1629	4E1	.29	.25	.52	3.57	15.91		79.45	*	.21	.10	.39	2.35	9.62		87.33	
	1630	4A0	.38	.84	3.41	6.18	13.12		76.07	*	.27	.34	2.61	4.11	8.03		84.63	
	9C163	5D4*		1.71	1.28				97.01	*								
	1631	4D0	.06	3.07	5.77	4.25	33.55		53.31	*	.05	1.42	4.99	3.20	23.23		67.11	
	1632	4G4	.26	7.84	12.72	1.15	26.67		51.37	*	.22	3.66	11.14	.87	18.68		65.43	
	1633	4AL4	.17	3.03	4.98	2.14	16.99		72.69	*	.13	1.26	3.89	1.45	10.62		82.64	
	1634	4G4	.52	6.14	12.33	2.41	39.14		39.46	*	.46	3.07	11.53	1.96	29.29		53.69	
	1635	4E1	.69	2.91	3.28	9.25	69.46		14.41	*	.73	1.72	3.64	8.93	61.70		23.27	
	1636	4E1	.69	2.09	.55	12.44	66.67		17.56	*	.72	1.21	.60	11.76	57.96		27.76	
	1637	4E1B	.66	7.86	5.16	20.52	45.38		20.41	*	.67	4.47	5.50	19.02	38.69		31.65	
	1638	4EC	.87	1.24	.33	5.49	48.17		43.91	*	.76	.60	.30	4.38	35.36		58.60	
	1639	4EC	.72	.44	.27	3.96	49.68		44.93	*	.63	.21	.24	3.14	36.22		59.56	
	1640	4EC	.61	1.39	1.64	6.39	53.98		36.00	*	.56	.71	1.58	5.34	41.50		50.33	
	1641	4EC	.92	2.51	1.61	16.40	42.79		35.76	*	.84	1.28	1.54	13.67	32.81		49.85	
	1642	4E1	.98	2.28	2.74	9.48	63.44		21.08	*	.99	1.28	2.90	8.72	53.68		32.42	
	1643	4A3	.66	1.62	3.74	9.11	28.39		56.48	*	.54	.73	3.17	6.71	19.24		69.61	

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

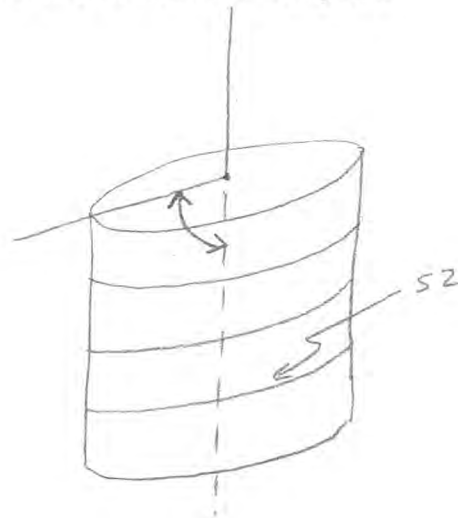
Hole Number: 74-A095

Fabric Orientation Diagram:

Project: GRUM

Location: VANGORDA PLATEAU

Claim: _____



UTM 1979 HiW
Orthophoto
Survey
Terr. Plane
Co-ords.: 6904869.2 N

592,435.8 E

Grid
Co-ords.: 68W/4N

All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230°.

Elevation: 1281.61

Total Depth: 235.3 m.

Purpose: _____

Re Logged by: DJH

Date(s) Logged: May 19 & 20 '80

Drilling Contractor:	Core:	Size	From	To	Collar Cased and Capped:
_____	<u>BQ</u>	<u>0</u>	<u>EOH</u>	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Started: 3/10/74 Completed: 15/10/74

Code	From ft	To ft	Unit	Code	Description
1	10 14 16	20 22 23 25 27			
L	11 10 0	11 14 6 0	11	11 #	1/8 - triconed (no core)
L	11 14 6 0	11 18 0 0	12	41810	end of interval uncertain due to lost core;
	11 11 1	11 11 1	1	11 11	6' core rec.; incip bxia; visible
	11 11 1	11 11 1	1	11 11	reddish sph. (484) T.O.I., F.O.I.
L	11 18 0 0	12 10 13 0	13	41D10	~60% tot. sdes; minor 4E4 4DD F.O.I.
L	12 10 13 0	12 11 0 5	14	4410	w/ ~15% 5B6; no sdes
L	12 11 0 5	12 11 8 0	15	41A14	minor bxia
L	12 11 8 0	12 13 1 5	16	01Q10	w/ 10% sdes 218-220.5
L	12 13 1 5	12 14 12 1	17	41L10	no sdes
L	12 14 2 1	12 15 1 0	18	41A10	
L	12 15 1 0	12 15 8 7	19	41E14	porous
L	12 15 8 7	12 16 0 3	10	41D14	
L	12 16 0 3	12 17 6 8	11	41E14	porous (444) (E.O.I.)
L	12 17 6 8	12 18 18 5	12	41A10	minor 4L & 4E; bxia. texture 289-E.O.I.
L	12 18 18 5	13 11 6 1	113	51B16	360?; gouge 288.5-300
L	13 11 6 1	13 12 14 0	14	41L10	partially dev. 4L; 5D6? component.
L	13 12 14 0	13 13 1 5	15	51B16	360?
L	13 13 1 5	13 13 14 0	16	41L10	as unit 14; units have rusty weathering
	11 11 1	11 11 1	1	11 11	lams.; no sdes.
L	13 13 14 0	13 19 1 3	117	51B16	360?
L	13 19 1 3	13 19 12 3	118	51B10	+ biotite
L	13 19 12 3	14 14 2 0	119	51B16	360?
L	14 14 2 0	14 14 18 0	210	41L10	+ streaks of biotite; incomplete 4L
	11 11 1	11 11 1	1	11 11	dev.? ic: transition to 5B/36
L	14 14 18 0	14 16 6 3	211	51B16	360? + biotite; 3' gouge 455-458
L	14 16 6 3	14 17 3 0	212	41L10	as unit 20; minor mariposite; gouge @
	11 11 1	11 11 1	1	11 11	EOI
L	14 17 3 0	15 12 14 0	213	51B16	360?; med grey; gouge 481.5-484.5
L	15 12 14 0	15 13 14 1	214	41L13	→ 4L0 as units 20 & 22; minor mariposite;
	11 11 1	11 11 1	1	11 11	4A0 (525.5-527.0); 0Q0 (533-534)
L	15 13 14 1	15 14 10 2	215	51B16	360?
L	15 14 10 2	15 14 11 0	216	41L10	
L	15 14 11 0	15 15 10 0	217	11	gouge & lost core; no lith.
L	15 15 10 0	15 15 16 0	218	41A10	? bxia
L	15 15 16 0	15 16 10 5	219	41E14	→ 4E14; minor bxia; minor 4A & 4D.
L	15 16 10 5	15 16 17 0	310	41A10	mangled core.

Lithologic Log

Logged By: DJH
May 20/80

Code	From		To		Unit	Code	Description
	10	14 16	20	22 23 25 27			
L	151670	158185	311	41410			as units 20 & 22; v. minor py; one small band 4C0
L	158185	159190	312	5B16			360? w/v. minor 4L
L	159190	161132	313	41410			→ 4L2 locally; as units 20, 22 & 31 locally; biotite concentrated in streaks and bands; minor thin red sph rich lam.
L	161132	161330	314	5B16			360? ± biotite
L	161330	161360	315	41410			? only a few pebbles rec.; minor 4A0
L	161360	161400	316	41619			honey sph.
L	161400	161408	317	41410			4L3?
L	161408	161450	318	4A10			
L	161450	161497	319	41619			honey sph
L	161497	161529	410	41410			as units 20 & 22 & 31
L	161529	161680	411	4E11			→ 4E18; minor BaSO ₄ @ TOP of interval
L	161680	161700	412	4E18			20-30% Fe ₂ O ₄
L	161700	161738	413	4E1C			~60% - 80% tot. sdes (py)
L	161738	161818	414	4E1C			as unit 43 only bxia zone
L	161818	161913	415	4E1C			as unit 43 w/ minor bxia (60:40, 4E/4C)
L	161913	161972	416	4E1			w/ minor 4C
L	161972	161990	417	4A10			
L	161990	172130	418	41410			w/ streaky & patchy bio/chl; no sdes
L	172130	171315	419	5B16			360? ± bio → 48?
L	171315	171720	510	41410			as unit 47; minor 4L7 & 5B6;
		1E0H					-NOT DEEP ENOUGH!

Code	From ft.		To ft.		Sample No.		Description				
	10	14	16	20	22	27	K.A. sample no.	LENGTH	REC.	UNIT.	
P	114160		116170		1116111		794	21	2.0	4BØ4	
P	116170		117100		1116112		795	no sample	3	0.0	4BØ
P	117100		117400		1116113		796	4	0.5	4BØ4	
P	117400		118135		1116114		797	9.5	6.0	4BD	
F	118135		119100		1116115		798	6.5	5.0	4DØ	
P	119100		120100		1116116		799	10.0	1.0	4DØ4	
F	120100		120130		1116117		800	3.0	0.1	4DØ	
P	121105		121180		1116118		801	7.5	7.0	4A4	
P	12118		12205		 		802	2.5		0ØØ	
P	124121		125100		1116119		803	8.9	8.0	4AØ	
P	125110		125150		1116120		804	4.0	4.0	4E4	
P	125150		126100		1116121		805	5.0	4.5	4ED	
P	126100		126160		1116122		806	6.0	5.0	4E4	
P	126160		127150		1116123		807	9.0	3.5	4E4	
P	127150		127170		1116124		808	2.0	1.0	4AØ4E4	
P	127170		128140		1116125		809	7.0	7.0	4AØ	
P	128140		128185		1116126		810	4.5	4.0	4AØ4	
P	154150		155105		1116127		811	5.5	0.9	gauge	
P	155105		155160		1116128		812	5.5	3.0	4AØ4	
P	155160		156120		1116129		813	6.0	5.5	4E1	
P	156120		156170		1116130		814	5.0	5.0	4AØ	
										D	
P	161330		1613160		1116131		816	3.0	0.5	4ØØ?	
P	1613160		161400		1116132		817	4.0	4.0	4G4	
P	161400		161450		1116133		818	5.0	3.0	4AL	
P	161450		161497		1116134		819	4.7	1.5	4G4	
P	161529		161600		1116135		820	7.1	7.1	4E1	
P	161600		1616150		1116136		821	5.0	5.0	4E1	
P	1616150		1617100		1116137		822	5.0	5.0	4E18	
P	1617100		1618100		1116138		823	10.0	10.0	4EC	

DIAMOND DRILL RECORD

LOGGED BY Werner Gruenwald

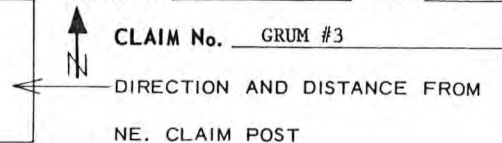
PROPERTY Kerr Addison Mines Ltd. - AEX Joint Venture

D.D.H. No. A - 45 PAGE 1 of 9

LATITUDE 4 + 00 N 10650.35 N BEARING OF HOLE _____ STARTED Oct. 3/74

CLAIM No. GRUM #3

DEPARTURE 68 + 00 W 7738.69 E DIP OF HOLE - 90° COMPLETED Oct. 15/74



ELEVATION 4196' Topo. _____ DIP TESTS _____ DEPTH Ultimate: 772'
723' P.A. (1292.05) (23531m)

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
0	146	OVERBURDEN															
146	206	SULPHIDE ZONE. Sphalerite-pyrite-galena in a quartz rich sericite phyllite brecciated in places (146 - 174'). Quartz sulphide section from 184.5 - 206'. Consists of massive pyrite to sphalerite and galena (pyrrhotite low). 20 - 75% sulphides; 3 - 8% combined lead-zinc.	2.1/2 2.1	794	146	167	21	5.93	7.44	2.35				124.53	156.24	49.35	
		146 - 167' - Quartz-sulphides. 4 - 8% lead-zinc.	11/7 3	795	167	170	3	.73	3.18	.29				2.19	9.54	87	
		167 - 170' - Quartz-sericite phyllite <3% lead-zinc (poor recovery)	5/4 4	796	170	174	4	2.33	5.28	.83				9.32	21.12	3.32	
		170 - 174' - Quartz-sericite-sulphides - pebbles only 2-4% lead-zinc.	2.5/1 9.5	Wt. Av. 797	167.0 174	174.0 183.5	7.0 9.5	1.04 2.33	4.38 7.20	0.6 .91	Wt. Av.			11.51 22.14	30.66 68.40	4.19 8.65	
		174 - 183.5' - Quartz sericite sulphides ≤4% lead-zinc	5.5/6 6.5	798	183.5	190	6.5	3.90	5.22	1.44				25.35	33.93	9.36	
		183.5 - 190' - Quartz-sulphides 50% sulphides - 4 - 8% lead-zinc.	2.5/1 10	799	190	200	10	2.97	6.4	1.13	Wt. Av.			47.44 44.3	102.33 121.0	18.01 17.60	
		190 - 200' - Massive sulphides 70 - 90% 10% lead-zinc.	1/6 3.0/	800	200	206	6	4.50	5.40	1.59				27.00	32.4	9.54	
206	210.5	PALE GREEN QUARTZ-SERICITE PHYLLITE. Core angle: 45°. Some grey sericite phyllite and minor specks of mariposite.	5.5 4.5	Wt. Av. 801	190.0 206.0	206.0 210.5	10.0 -	4.45 -	9.59 -	1.60 -	Wt. Av.			71.30 257.78	153.4 415.63	27.14 98.67	
		210.5 - 218 - 10 - 15% lead-zinc (pyrrhotite content low ≤1%)	4.9/7 7.5	801	210.5	218	7.5	6.00	9.6	2.35							
218	220.5	QUARTZ RICH ZONE IN MINOR LEAD-ZINC. Vestiges of sericite phyllite some buff colored material in fractures and sulphides. Avg. 15 - 20% sulphides - 4 - 6% lead-zinc.	2.0/2 2.5	802	218	220.5	2.5	2.30	4.42	.56							
220.5	232	MASSIVE WHITE QUARTZ - minor sericite phyllite and pyrite.	3.5/11 11.5	Wt. Av. 803	210.5 220.5	220.5 220.5	10.0 74.5	5.07 7.10	8.20 7.06	1.90 1.58	Wt. Av.			50.70 305.48	83.00 525.63	19.00 117.69	

DIAMOND DRILL RECORD

LOGGED BY _____

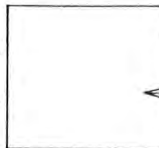
 D.D.H. No. A - 45 PAGE 2 of 9

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____



CLAIM No. _____

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
232	240	BUFF TO PALE GREEN QUARTZ SERICITE + CHLORITE PHYLLITE. Variably laminated phyllite consisting of sericite and quartz. Foliation surfaces are of a lustrous sheen. Section is virtually sulphide free. Core angles: Contorted at 232-233; 237' = 45°; 238' = 50°	90%	-	220.5	240.0	-										
240	250	DARK GREY QUARTZ-SERICITE (SULPHIDE) PHYLLITE. Coarse band phyllite with sulphide content from 10 - 15%. Lead-zinc low - 1 - 2%. 241.5 - 242' - Mariposite rich section having pale green - buff sericite phyllite above and below. Core angles: 241' = 45°; 245' = 45°; 249' = 58°. 240 - 250' - Sulphides 10 - 20% in quartz-sericite phyllite, most sulphides associated in quartz bands in phyllite. 246 - 250' - Graphitic phyllite in same amount of sulphides and up to 25%.	8.5/10	803	240	250	10	.42	.98	.29							
250	277	MASSIVE SULPHIDE ZONE. Up to 90% sulphides in places - quartz sericite material in places of few sulphides. 8 - 15% lead-zinc. Many sections show a porous sulphide structure. 257 - 260' - shows high percentage of zinc. Pyrrhotite-magnetite virtually non-existent in this sulphide section.	5/5 100% 6/6 10/10 2/2	804 805 806 807 808	250 255 260 266 275	255 260 266 275 277	5 5 6 9 2	6.90 8.25 8.63 8.74 7.50	14.2 16.2 16.8 17.0 15.6	3.03 2.94 3.53 3.82 2.94							
					250	277	27	8.14	10.19	3.38	WT. AV.				221.19	437.0	91.29
277	284	QUARTZ-SERICITE GRAPHITE PHYLLITE. Dark grey variably laminated - sometimes contorted sericite-graphite phyllite. Sulphides 10 - 20% (pyrite 15%) Lead-zinc 2 - 4%. 280 - 282 - Ground up due to higher garphite content. 281.8' - brecciated sulphides in contorted quartz-sericite phyllite Core angles: 278' = 65°; 281.5' = 70°	7/7 85%	809	277	284	7	1.25	2.00	.29				8.75	14.00	2.03	

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

LATITUDE _____

BEARING OF HOLE _____

STARTED _____

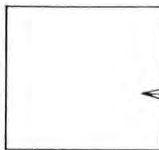
DEPARTURE _____

DIP OF HOLE _____

COMPLETED _____

ELEVATION _____

DIP TESTS _____

 Proposed: _____
 Ultimate: _____


D.D.H. No. A - 45

PAGE 5 of 9

CLAIM No. _____

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

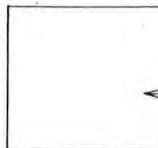
FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		sericite phyllite in specks of mariposite Core angle: 50 - 55°.															
470	522.3	MEDIUM GREY THINLY LAMINATED QUARTZ-SERICITE (+ CHLORITE) PHYLLITE Variably laminated and contorted phyllite. - Quartz chlorite veins at 485'; 487.5'; 498.3'. Most of section is quite fissile. (Well developed F ₂). Core angles: 477' = 80°; 481' = 70°; 489.5' = 87°; 503' = 45° 516' = 80°.	90%														
		Sulphides low 1 - 2%, not evenly distributed, most in a section of very finely laminated sericite phyllite - concentrated in thin quartz seams. Kink folds at 519.5'.															
522.3	534.2	PALE GREEN STREAKY QUARTZ-SERICITE PHYLLITE. Quite variable in color and composition. 522.3 - 525.0' - Pale green pure sericite (talcose) phyllite 525.5 - 527.0' - Dark grey quartz-sericite phyllite - 10 - 15% pyrite 527.0 - 528.7' - Pale grey sericite phyllite, variably laminated in quartz bands of variable thicknesses. 528.7 - 529.7' - As above except with mariposite bands. 529.7 - 533.0' - Pale green (talcose) quartz-sericite phyllite 533.0 - 534.2' - Quartz chlorite vein. Last 1" of quartz-chlorite vein has the pale green phyllite in contact before changing to a dark gray phyllite.	9/12														
534.2	545	DARK GREY FISSILE SERICITE PHYLLITE. Variably laminated fissile phyllite in leaf pyrite along F ₂ foliation surfaces. Sulphides ≈ 1 - 2%. Core angles: 539' = 90°; 535' = 80°	2.5/ 10.0														
545	566	SULPHIDE ZONE. 545.0 - 550.5' - Top shows folding of F ₂ and minor brecciation - poor recovery, 20% sulphide 4% lead-zinc	1.0/ 5.5	811	545	550.5	5.5	.08	1.12	.15							

DIAMOND DRILL RECORD

LOGGED BY _____

D.D.H. No. A - 45 PAGE 7 of 9

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



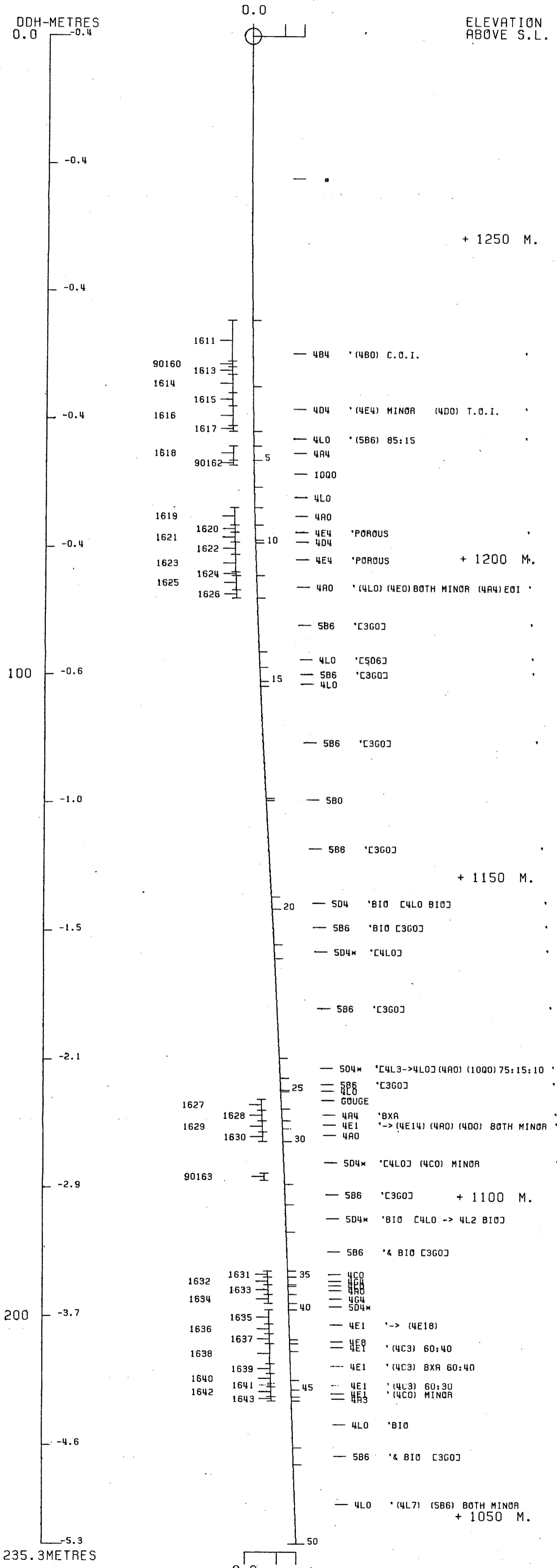
CLAIM No. _____
 DIRECTION AND DISTANCE FROM
 NE. CLAIM POST



FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet					
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
624	647	SULPHIDE ZONE IN GREY QUARTZ SERICITE PHYLLITE. Sulphide content varies from 10% at 641.5' to 75% at 646'. 624.0 - 636.0' - Ground up sulphide section in dark grey sericite phyllite. 636.0 - 640.0' - Massive sulphide zone - barite present 40 - 70% pyrite, 8 - 10% lead-zinc. 640.0 - 645.0' - Sulphides 10 - 15% pyrite in dark grey sericite phyllite 2 - 3% lead-zinc. (poor recovery due to crumbly nature of core).	.5/ 12 3.5/ 4.0 1/5 1.5/ 2.0	816 817 818 819	624 636 640 645	636 640 645 647	12 (1.5) 4 2	1.88 6.23 1.80 4.95	3.84 8.82 4.80 8.28	1.00 2.79 1.12 2.85								
		Massive sulphides from 645 - 647' - quartz gangue. 50 - 70% sulphides - 6 - 8% lead-zinc (up to 10%)		WR. AV. WR. AV.	640 647	647 647	12.5 (100) 11.0	3.73 3.88	6.53 (1.8)	1.92 2.14	(65.8) WR. A.	46.67 43.82	84.60 75.84	23.96 22.46				
647	652.6	PALE GREEN QUARTZ-SERICITE PHYLLITE. Crumbly in nature - soft talcose. Core angle: 45° - 60°. Contact with sulphides 30°.	50%	—	647	652.6	—											
652.6	699.5	MASSIVE SULPHIDE ZONE. Quartz gangue, some phyllite. Porous pyrite fairly widespread, Grades variable. Magnetite at 655'. #819 - Massive sulphide 60 - 80% - Lead-zinc 10% #820 - Massive sulphide 60 - 80% - Lead-zinc 10 - 15% #821 - Massive sulphide 60 - 80% - Lead-zinc 10 - 15% #822 - Massive sulphides ≈70% - brecciated at 667.5' to 669.5' 15 - 20% lead-zinc. #823 - Massive sulphides ≈50% (up to 70% in places). Whole section shows brecciation of sulphide. Matrix is also sulphides indicating a late stage of deformation. 10 - 15% lead-zinc. (minor pyrrhotite). #824 - Massive sulphide zone - brecciated 40 - 60% sulphides, 10 - 15% lead-zinc. (Quartz gangue). #825 - Brecciated sulphide zone - fragments up to 1" across. Quartz and sericite gangue. Sulphide 60 - 75% mainly pyrite (chalcopyrite up to 1%). Porous in places, cavity fillings of barite. 15% lead-zinc. pyrrhotite 2 - 3% 688.5 - 690'	7.2/ 7.4 4.7/ 5.0 4.7/ 5.0 10/ 10 5/5 5/5 2/2 5/5	820 821 822 823 824 825 826 827	652.6 660 660 665 670 670 680 685 685 690 690 692 692	660 665 670 680 685 690 692 697	7.4 (2.5) 5.0 5.0 10 5 5 2 3 5	1.98 1.04 6.53 .97 .27 .94 2.20 2.20	1.98 .63 3.66 .46 .37 1.30 1.55 3.24	.88 .44 1.76 .44 .26 .44 .88 .94		3.96 1.67 10.29 1.43 0.64 2.24 3.75 5.45	✓ (4.95 5.20 3.15 2.20 2.20 1.17 2.67 2.82 4.40 11.00 5.72	4.95 3.15 18.30 1.76 3.90 3.10 1.76 16.20	2.20 2.20 8.80 8.80 1.32 1.76 4.70			

DDH: FAGA045 -- 42 DEGREE PROFILE (VIEW AZIMUTH = 312 DEGREES)

ELEV: 1282 592436E ; 904869N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 496.0 Z = 1281.5
 SECTION NAME: 68W



DDH: FAGA045 -- 42 DEGREE PROFILE

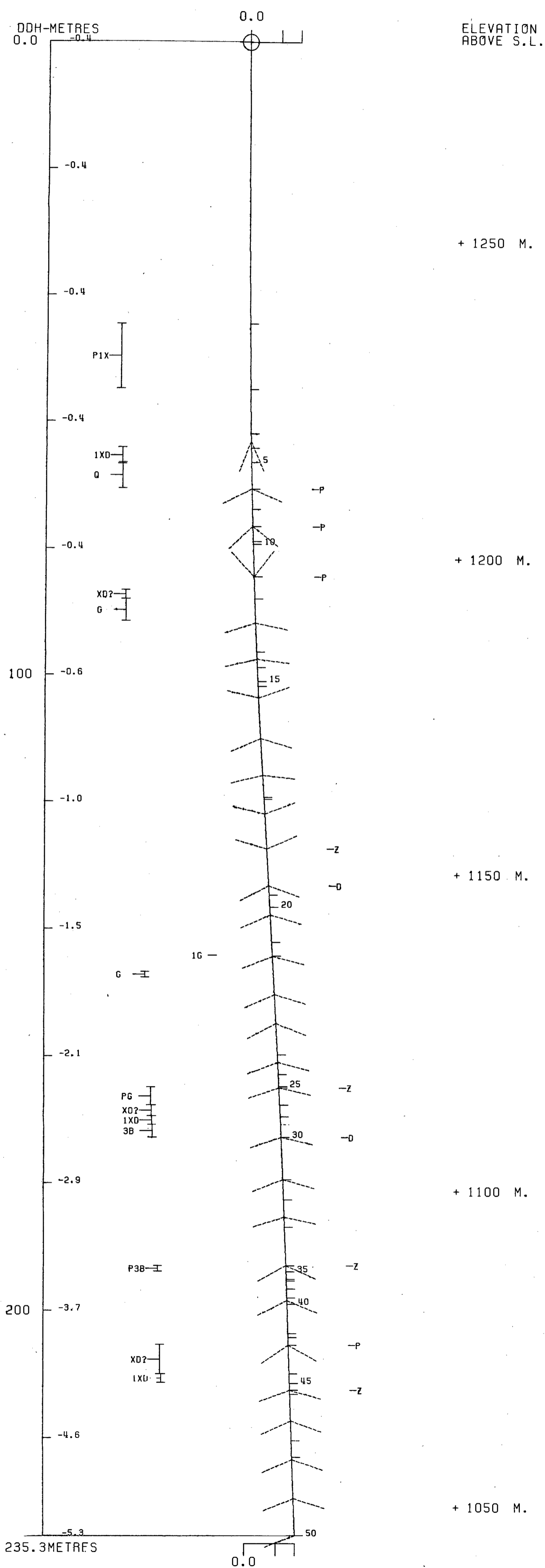
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1282 592436E ; 904869N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 496.0 Z = 1281.5

SECTION NAME: 68W



75 A052

84/10/16

GRUM DATABASE - QUIZ REPORT

PAGE 6

DGH	SAMPLE	---DEPTHS---		INT M	REC X	ROCK UNIT	S.G.	CU X	PB X	ZN X	AG G/MT	AU G/MT	PO X	PY X	BAO X	PB+ZN X	PG+PY X	ZN RATIO
		FROM	TO															
FAGA052	90164	78.0	78.3	.3	67	5869			11.00	20.45	171.4					31.45		.65
	90165	85.0	85.9	.9	67	5869			1.75	2.22	27.4					3.97		.56
	90166	86.1	87.6	1.5		4DGL			8.18	10.72	110.0					18.90		.57
	91072	143.9	146.9	3.0	93	4A0			.25	.55	7.2					.80		.69
	91073	146.9	149.0	2.1	100	4A0			.18	.44	7.2					.62		.71
	5104	157.7	159.2	1.5		4A4	3.14	.04	3.17	5.70	50.0	.48	8.36	2.94		8.87	11.30	.64
	5105	159.2	160.5	1.3		4A4	3.19	.03	2.41	4.84	47.0	.41	11.30	2.47		7.25	13.77	.67
	5106	175.6	176.8	1.2		4E4	4.52	.19	4.80	4.92	57.0	1.17	3.96	27.30		9.72	31.26	.51
	5107	176.8	177.5	.7		4G4	4.70	.06	4.88	7.85	69.0	.69	.71	16.10		12.73	16.81	.62
	5108	177.5	179.6	2.1		4E0	3.95	.25	1.56	2.26	34.0	1.51	5.93	23.70		3.82	29.63	.59
	5109	179.6	181.7	2.1		4E84	3.93	.14	2.51	3.99	44.0	1.03	8.84	19.60		6.50	28.44	.61
	5110	181.7	182.9	1.2		4E4	3.89	.09	3.32	5.46	49.0	.89	11.07	17.10		8.78	28.17	.62
	5111	182.9	184.1	1.2		4E4	4.30	.11	4.87	5.38	68.0	1.30	7.50	23.80		10.25	31.30	.52
	5112	184.1	185.9	1.8		4C83	3.52	.33	1.58	2.93	31.0	.62	7.95	15.40		4.51	23.35	.65
	5113	185.9	187.9	2.0		4C83	3.63	.34	.67	1.36	14.0	.41	12.14	13.90		2.03	26.04	.67
	5114	187.9	189.6	1.7		4C3	3.58	.21	1.27	2.22	18.0	.55	7.95	16.70		3.49	24.65	.64
	5115	189.6	191.4	1.8		4C3	3.31	.29	.38	.43	9.0	.48	7.59	11.90		.81	19.49	.53
	5116	191.4	193.2	1.8		4C0	3.18	.75	.19	.33	10.0	.27				.52		.63
	5117	193.2	195.1	1.9		4C0	3.29	.23	.39	.62	10.0	.21				1.01		.61
	5118	195.1	196.9	1.8		4C3	3.88	.15	.35	.37	7.0	.27				.72		.51
	5119	196.9	198.7	1.8		4C0	3.21	.30	.62	.19	8.0	.34				.81		.23
	5120	198.7	200.6	1.9		4C0	3.24	.30	.24	.20	5.0	1.17				.44		.45
	5121	200.6	202.4	1.8		4C0	3.19	.31	.26	.43	8.0	.21				.69		.62
5122	202.4	203.6	1.2		4C0	3.06	.16	.24	.20	7.0	.21				.44		.45	
5123	203.6	205.0	1.4		4C0	2.91	.05	.43	.20	7.0	.21				.63		.32	

DRILL HOLE : FAGA052
NORTHING : 904,914.4
EASTING : 592,478.0
ELEVATION : 1,289.3
TOTAL DEPTH : 261.8
SECTION : W 68
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
CHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 25
NOS DOWN-H-SURVEYS: 5
NOS DOWN-H-LITHOLOGY: 58
NOS DOWN-H-STRUCTURE: 60
NOS DOWN-H-FAULTS: 16
NOS DOWN-H-SPLINES: 5
NOS COMPOSITES: 0

21FEB84 GRUM

ORE SAMPLES & ASSAYS (DHO20)

PAGE: 44

DDH: FAGA052 UTM-N: 904,914.4 UTM-E: 592,478.0 UTM-ELEV: 1,289.3 TOTAL DEPTH: 261.8 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---					ASSAYS																
FRM	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 %	TCT FE	BAO %	HG %	MN %	AS %	BA %	S.G. W.R.	
78.0	78.3	90164	.3	.2 5B69			11.00	20.45	171.40												
85.0	85.9	90165	.9	.6 5B69			1.75	2.22	27.40												
86.1	87.6	90166	1.5	.0 4DGL			8.18	10.72	110.00												
143.9	146.9	91072	3.0	2.8 4A0			.25	.55	7.20												
146.9	149.0	91073	2.1	2.1 4A0			.18	.44	7.20												
157.7	159.2	05104	1.5	.0 4A4	3.14	.04	3.17	5.70	50.00			.48	8	2	11						
159.2	160.5	05105	1.3	.0 4A4	3.19	.03	2.41	4.84	47.00			.41	11	2	13						
175.6	176.8	05106	1.2	.0 4E4	4.52	.19	4.80	4.92	57.00		1.17	3	27	31							
176.8	177.5	05107	.7	.0 4G4	4.70	.06	4.88	7.85	69.00		.69		16	16							
177.5	179.6	05108	2.1	.0 4E0	3.95	.25	1.56	2.26	34.00		1.51	5	23	29							
179.6	181.7	05109	2.1	.0 4E84	3.93	.14	2.51	3.99	44.00	42.00	1.03	8	19	28							
181.7	182.9	05110	1.2	.0 4E4	3.89	.09	3.32	5.46	49.00		.89	11	17	28							
182.9	184.1	05111	1.2	.0 4E4	4.30	.11	4.87	5.38	68.00		1.30	7	23	31							
184.1	185.9	05112	1.8	.0 4C83	3.52	.33	1.58	2.93	31.00		.62	7	15	23							
185.9	187.9	05113	2.0	.0 4C83	3.63	.34	.67	1.36	14.00		.41	12	13	26							
187.9	189.6	05114	1.7	.0 4C3	3.58	.21	1.27	2.22	18.00		.55	7	16	24							
189.6	191.4	05115	1.8	.0 4C3	3.31	.29	.38	.43	9.00		.48	7	11	19							
191.4	193.2	05116	1.8	.0 4C0	3.18	.75	.19	.33	10.00		.27										
193.2	195.1	05117	1.9	.0 4C0	3.29	.23	.39	.62	10.00		.21										
195.1	196.9	05118	1.8	.0 4C3	3.88	.15	.35	.37	7.00		.27										
196.9	198.7	05119	1.8	.0 4C0	3.21	.30	.62	.19	8.00		.34										
198.7	200.6	05120	1.9	.0 4C0	3.24	.30	.24	.20	5.00		1.17										
200.6	202.4	05121	1.8	.0 4C0	3.19	.31	.26	.43	8.00		.21										
202.4	203.6	05122	1.2	.0 4C0	3.06	.16	.24	.20	7.00		.21										
203.6	205.0	05123	1.4	.0 4C0	2.91	.05	.43	.20	7.00		.21										

WEIGHTED AVERAGE

78.0	78.3	.3	.2				11.00	20.45	171.40												
85.0	85.9	.9	.6				1.75	2.22	27.40												
86.1	87.6	1.5	.0				8.18	10.72	110.00												
143.9	149.0	5.1	4.9				.22	.50	7.20												
157.7	160.5	2.8	.0		3.16	.03	2.81	5.30	48.60		.44	9	2	12							
175.6	205.0	29.4	.0		3.57	.25	1.33	1.85	22.36	3.00	.63	4	9	14							

21FEB84 GRUM

DOWN-HOLE SURVEYS (DHO20)

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DDH: FAGA052 UTM-N: 904,914.4 UTM-E: 592,478.0 UTM-ELEV: 1,289.3 TOTAL DEPTH: 261.8 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
61.000	179.500	33.000
121.900	175.700	68.000
182.900	169.000	84.000
237.700	164.000	83.000

21FEB84 GRUM

DOWN-HOLE LITHOLCGY (DH020)

PAGE: 46

DDH: FAGA052 UTM-N: 904,914.4 UTM-E: 592,478.0 UTM-ELEV: 1,289.3 TOTAL DEPTH: 261.8 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
39.3	0001	#		0.5-	1
43.2	0002	4LC		0.5-	1
56.3	0003	5B6		0.5-	1
61.0	0004	4LC		0.5-	1
63.1	0005	5B6		0.5-	1
67.1	0006	5B6	GCUGE	0.5-	1
72.5	0007	5B6	4 MINOR	0.5-	1
72.9	0008	4LC		0.5-	1
76.7	0009	5B6		0.5-	1
77.1	0010	4LC		0.5-	1
77.9	0011	5B6	-> (5B69 SPHAL) LOCALLY	0.5-	1
78.5	0012	5B6	BXA	0.5-	1
85.5	0013	5B6		0.5-	1
85.7	0014	4A0		0.5-	1
86.0	0015	4L2	-> (4L24)	0.5-	1
86.4	0016	5D0		0.5-	1
86.6	0017	5B6		0.5-	1
87.0	0018	4D0	BXA	0.5-	1
87.4	0019	4G0	(4D0) 80:20	0.5-	1
89.1	0020	4L0	-> (4L2) T.O.I.	0.5-	1
89.5	0021	5D0		0.5-	1
95.4	0022	5B6	(5D0) V. MINCR	0.5-	1
96.3	0023	4L0		0.5-	1
99.2	0024	5B6		0.5-	1
99.8	0025	4L0		0.5-	1
128.5	0026	5B6		0.5-	1
136.5	0027	4L0	& BIO LOCALLY	0.5-	1
139.5	0028	5B6		0.5-	1
140.1	0029	5B6	GCUGE	0.5-	1
143.9	0030	5B6		0.5-	1
149.0	0031	4A0	-> (5B19) LOCALLY	0.5-	1
149.7	0032	5D0*	[5C3*] SOME NO CORE	0.5-	1
154.7	0033	5B6	SOME NO CORE	0.5-	1
155.6	0034	5D0	[5C3]	0.5-	1
156.0	0035	4CC	BXA	0.5-	1
157.7	0036	5D0	[5C3]	0.5-	1
160.5	0037	4A4		0.5-	1
169.4	0038	4L0	& BIO & GAR -> (4L3) LOCALLY	0.5-	1
173.0	0039	5B6		0.5-	1
175.6	0040	4L0	3?	0.5-	1
176.8	0041	4E4	(4G4) 85:15	0.5-	1
177.5	0042	4G4		0.5-	1
179.6	0043	4EC	BXA	0.5-	1
181.7	0044	4E24	(4C0) 80:20	0.5-	1
184.1	0045	4EC		0.5-	1
187.9	0046	4C83	89 LOCALLY	0.5-	1
205.0	0047	4CC	(4C3) T.O.I.	0.5-	1
209.1	0048	4L0		0.5-	1
210.8	0049	4L7		0.5-	1
214.3	0050	4L2		0.5-	1
219.2	0051	4L0		0.5-	1

21FEB84 GRUM

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 47

DDH: FAGA052 UTM-N: 904,914.4 UTM-E: 592,478.0 UTM-ELEV: 1,289.3 TOTAL DEPTH: 261.8 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	INC
225.9	OC52	5B6		0.5-	1
230.0	OC53	4L0		0.5-	1
235.3	OC54	5B6		0.5-	1
238.2	OC55	10QC	PO MINOR	0.5-	1
257.9	OC56	3G0	& BIO & GAR SCHIST [100]	0.5-	1
260.5	OC57	5B6		0.5-	1
261.8	OC58	3G0	& BIO & GAR SCHIST [100]	0.5-	1

DDH: FAGA052 UTM-N: 904,914.4 UTM-E: 592,478.0 UTM-ELEV: 1,289.3 TOTAL DEPTH: 261.8 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYTRY	SG	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	COE	DHDC	SDC	PROCESS
FAGA052	0.0	40.5	CS2			0	0	0	C		80	230	C			1	1	1
FAGA052	0.0	46.6	CS2			0	0	0	C		80	230	C			1	1	1
FAGA052	0.0	52.7	CS2			0	0	0	C		75	230	C			1	1	1
FAGA052	0.0	58.8	CS2			0	0	0	C		74	230	C			1	1	1
FAGA052	39.3	58.8	CS2	Z		0	0	0	C		0	C	C			1	1	1
FAGA052	0.0	63.1	CS2	S		0	0	0	0		80	230	C			1	1	1
FAGA052	58.8	63.1	CS2	S		0	0	0	0		0	C	C			1	1	1
FAGA052	0.0	67.1	CS2			0	0	0	C		52	230	C			1	1	1
FAGA052	0.0	72.7	CS2			0	0	0	C		79	230	C			1	1	1
FAGA052	0.0	78.9	CS2			0	0	0	C		77	230	C			1	1	1
FAGA052	0.0	85.5	CS2	Z		0	0	0	C		76	230	C			1	1	1
FAGA052	67.1	85.5	CS2	Z		0	0	0	C		0	C	C			1	1	1
FAGA052	85.5	87.4	PS2	P		0	0	0	C		0	0	C			1	1	1
FAGA052	0.0	91.4	CS2			0	0	0	C		55	230	C			1	1	1
FAGA052	0.0	97.5	CS2			0	0	0	C		77	230	0			1	1	1
FAGA052	0.0	103.2	CS2			0	0	0	C		77	230	C			1	1	1
FAGA052	87.4	105.8	CS2	Z		0	0	0	C		0	0	C			1	1	1
FAGA052	0.0	107.0	PS2			0	0	0	0		70	230	C			1	1	1
FAGA052	0.0	112.8	PS2			0	0	0	C		72	230	C			1	1	1
FAGA052	105.8	115.5	PS2	P		0	0	0	C		0	0	0			1	1	1
FAGA052	0.0	119.2	CS2			0	0	0	C		67	230	C			1	1	1
FAGA052	0.0	125.0	CS2	Z		0	0	0	C		68	230	0			1	1	1
FAGA052	115.5	125.0	CS2	Z		0	0	0	0		0	C	C			1	1	1
FAGA052	125.0	129.2	CS2	D		0	0	0	0		0	0	0			1	1	1
FAGA052	0.0	130.8	CS2			0	0	0	0		63	230	C			1	1	1
FAGA052	129.2	132.3	CS2	M		0	0	0	0		0	0	C			1	1	1
FAGA052	0.0	138.4	CS2			0	0	0	0		76	230	C			1	1	1
FAGA052	0.0	144.8	CS2			0	0	0	C		73	230	0			1	1	1
FAGA052	132.3	146.3	CS2	Z		0	0	0	C		0	0	C			1	1	1
FAGA052	0.0	149.2	PS2			0	0	0	C		78	230	0			1	1	1
FAGA052	0.0	152.1	CS2			0	0	0	0		75	230	C			1	1	1
FAGA052	152.1	154.7	CS2	Z		0	0	0	C		0	0	C			1	1	1
FAGA052	0.0	156.5	PS2			0	0	0	0		67	230	0			1	1	1
FAGA052	0.0	160.5	PS2	P		0	0	0	C		71	230	C			1	1	1
FAGA052	154.7	160.5	PS2	P		0	0	0	C		0	0	0			1	1	1
FAGA052	0.0	165.2	CS2			0	0	0	0		69	230	0			1	1	1
FAGA052	160.5	169.2	CS2	D		0	0	0	C		0	C	C			1	1	1
FAGA052	0.0	171.3	CS2			0	0	0	C		75	230	C			1	1	1
FAGA052	169.2	175.6	CS2	Z		0	0	0	0		0	C	0			1	1	1
FAGA052	0.0	176.2	PS2			0	0	0	C		80	230	0			1	1	1
FAGA052	0.0	181.1	PS2			0	0	0	C		59	230	C			1	1	1
FAGA052	0.0	187.1	PS2			0	0	0	C		68	230	C			1	1	1
FAGA052	0.0	192.0	PS2			0	0	0	C		70	230	0			1	1	1
FAGA052	0.0	196.6	PS2			0	0	0	C		69	230	C			1	1	1
FAGA052	0.0	203.0	PS2	P		0	0	0	C		82	230	C			1	1	1
FAGA052	175.6	203.0	PS2	P		0	0	0	0		0	0	C			1	1	1
FAGA052	0.0	209.1	CS2			0	0	0	C		73	230	C			1	1	1
FAGA052	0.0	215.2	CS2	Z		0	0	0	C		70	230	C			1	1	1
FAGA052	203.0	215.2	CS2	Z		0	0	0	C		0	C	C			1	1	1
FAGA052	0.0	220.4	PS2			0	0	0	C		65	230	C			1	1	1
FAGA052	0.0	225.2	PS2	P		0	0	0	C		73	230	C			1	1	1

21FEB84 GRUM

DOWN-HOLE STRUCTURE (DHC20)

PAGE: 49

DDH: FAGA052 UTM-N: 904,914.4 UTM-E: 592,478.0 UTM-ELEV: 1,289.3 TOTAL DEPTH: 261.8 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SG	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DMDC	SOC	PROCESS
FAGAC52	215.2	225.2	PS2	P	0	0	0	0	C	0	0	C	1	1	1			
FAGA052	0.0	231.3	CS2		0	0	0	0	C	70	230	C	1	1	1			
FAGA052	0.0	235.3	CS2	Z	0	0	0	0	C	69	230	C	1	1	1			
FAGAC52	0.0	238.2	CS2		0	0	0	0	C	74	230	C	1	1	1			
FAGAC52	0.0	243.8	CS2		0	0	0	0	C	81	230	C	1	1	1			
FAGAC52	0.0	248.4	CS2		0	0	0	0	C	62	230	C	1	1	1			
FAGA052	0.0	254.8	CS2		0	0	0	0	C	65	230	C	1	1	1			
FAGA052	0.0	260.9	CS2		0	0	0	0	C	55	230	C	1	1	1			
FAGAC52	238.2	261.8	CS2	Z	0	0	0	0	C	0	0	C	1	1	1			

21FEB84 GRUM

DOWN-HOLE FAULTS (DHO20)

PAGE: 50

DDH: FAGA052 UTM-N: 904,914.4 UTM-E: 592,478.0 UTM-ELEV: 1,289.3 TOTAL DEPTH: 261.8 SECTION: W 68
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHO			
FAGAC52	0.0	60.9	1XD				0	0	C	C	0	0	1
FAGAC52	63.1	67.0	G3P				0	0	0	C	0	0	1
FAGAC52	77.9	78.4	XD?				0	0	C	C	0	0	1
FAGAC52	86.5	86.9	XD?				0	0	C	C	0	0	1
FAGAC52	86.9	87.3	XD				0	0	C	C	0	0	1
FAGAC52	87.3	87.4	3B				0	G	G	C	0	0	1
FAGAC52	106.6	109.7	3BP	5			0	0	0	0	0	0	1
FAGAC52	139.5	140.1	3BG				0	0	0	C	0	0	1
FAGAC52	146.3	149.0	P	2			0	0	C	G	0	0	1
FAGAC52	0.0	149.6	1G				0	0	C	G	0	0	1
FAGAC52	149.3	152.0	P				0	0	0	G	0	0	1
FAGAC52	155.6	155.9	XD?				0	0	C	C	0	0	1
FAGAC52	177.4	179.5	XD?				0	0	C	C	0	0	1
FAGAC52	179.5	181.6	XD?				0	0	C	C	0	0	1
FAGAC52	204.9	209.0	1XG				0	0	C	C	0	0	1
FAGAC52	225.9	229.9	1G				0	0	0	G	0	0	1

21FEB84 GRUM

DOWN-HOLE SPLINES (DH020)

PAGE: 51

DDH: FAGA052 UTM-N: 904,914.4 UTM-E: 592,478.0 UTM-ELEV: 1,289.3 TOTAL DEPTH: 261.8 SECTION: W 68
RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

FAGA052	1	2
FAGAC52	2	2
FAGA052	3	2
FAGA052	4	2
FAGAC52	5	1

84/10/16

GRUM DATABASE - QUIZ REPORT

PAGE 6

DCH	SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PC+PY %	ZN RATIO	
		FROM	TO																
FAGA052	90164	78.0	78.3	.3	67	5B69				11.00	20.45	171.4							
	9C165	85.0	85.9	.9	67	5B69				1.75	2.22	27.4							
	9C166	86.1	87.6	1.5		4DGL				8.18	10.72	110.0							
	91072	143.9	146.9	3.0	93	4A0				.25	.55	7.2							
	91073	146.9	149.0	2.1	100	4A0				.18	.44	7.2							
	5104	157.7	159.2	1.5		4A4	3.14	.04	3.17	5.70	50.0	.48	8.36	2.94					
	5105	159.2	160.5	1.3		4A4	3.19	.03	2.41	4.84	47.0	.41	11.30	2.47					
	5106	175.6	176.8	1.2		4E4	4.52	.19	4.80	4.92	57.0	1.17	3.96	27.30					
	5107	176.8	177.5	.7		4G4	4.70	.06	4.88	7.85	69.0	.69	.71	16.10					
	5108	177.5	179.6	2.1		4E0	3.95	.25	1.56	2.26	34.0	1.51	5.93	23.70					
	5109	179.6	181.7	2.1		4E84	3.93	.14	2.51	3.99	44.0	1.03	8.84	19.60					
	5110	181.7	182.9	1.2		4E4	3.89	.09	3.32	5.46	49.0	.89	11.07	17.10					
	5111	182.9	184.1	1.2		4E4	4.30	.11	4.87	5.38	68.0	1.30	7.50	23.80					
	5112	184.1	185.9	1.8		4C83	3.52	.33	1.58	2.93	31.0	.62	7.95	15.40					
	5113	185.9	187.9	2.0		4C83	3.63	.34	.67	1.36	14.0	.41	12.14	13.90					
	5114	187.9	189.6	1.7		4C3	3.58	.21	1.27	2.22	18.0	.55	7.95	16.70					
	5115	189.6	191.4	1.8		4C3	3.31	.29	.38	.43	9.0	.48	7.59	11.90					
	5116	191.4	193.2	1.8		4C0	3.18	.75	.19	.33	10.0	.27							
	5117	193.2	195.1	1.9		4C0	3.29	.23	.39	.62	10.0	.21							
	5118	195.1	196.9	1.8		4C3	3.88	.15	.35	.37	7.0	.27							
	5119	196.9	198.7	1.8		4C0	3.21	.30	.62	.19	8.0	.34							
	5120	198.7	200.6	1.9		4C0	3.24	.30	.24	.20	5.0	1.17							
	5121	200.6	202.4	1.8		4C0	3.19	.31	.26	.43	8.0	.21							
	5122	202.4	203.6	1.2		4C0	3.06	.16	.24	.20	7.0	.21							
	5123	203.6	205.0	1.4		4C0	2.91	.05	.43	.20	7.0	.21							

84/10/16

GRUM DATABASE - QUIZ REPORT

PAGE 6

DDH	SAMPLE	ROCK UNIT	CPY	NORMATIVE MINERALS - WEIGHT %					OTHER	*	CPY	NORMATIVE MINERALS - VOLUME %					OTHER
				GA	SP	PO	PY	BAR				GA	SP	PO	PY	BAR	
FAGA052	90164	5B69		12.70	30.49				56.81	*							
	90165	5B69		2.02	3.31				94.67	*							
	90166	4DGL		9.45	15.98				74.57	*							
	91072	4A0		.29	.82				98.89	*							
	91073	4A0		.21	.66				99.14	*							
	5104	4A4	.12	3.66	8.50	13.15	6.32		68.26	*	.09	1.55	6.73	9.05	4.00		78.59
	5105	4A4	.09	2.78	7.22	17.77	5.31		66.83	*	.07	1.18	5.74	12.29	3.38		77.34
	5106	4E4	.55	5.54	7.33	6.23	58.71		21.64	*	.55	3.12	7.75	5.72	49.61		33.24
	5107	4G4	.17	5.64	11.70	1.12	34.62		46.75	*	.15	2.69	10.49	.87	24.83		60.96
	5108	4E0	.72	1.80	3.37	9.33	50.97		33.81	*	.67	.93	3.27	7.87	39.55		47.71
	5109	4E84	.40	2.90	5.95	13.90	42.15		34.70	*	.37	1.48	5.71	11.61	32.37		48.45
	5110	4E4	.26	3.83	8.14	17.41	36.77		33.58	*	.24	1.97	7.84	14.58	28.33		47.04
	5111	4E4	.32	5.62	8.02	11.80	51.18		23.06	*	.32	3.12	8.35	10.68	42.62		34.92
	5112	4C83	.95	1.82	4.37	12.50	33.12		47.23	*	.81	.87	3.89	9.68	23.59		61.17
	5113	4C83	.98	.77	2.03	19.09	29.89		47.23	*	.83	.37	1.80	14.75	21.24		61.02
	5114	4C3	.61	1.47	3.31	12.50	35.91		46.20	*	.52	.70	2.97	9.75	25.77		60.28
	5115	4C3	.84	.44	.64	11.94	25.59		60.55	*	.66	.19	.53	8.61	16.98		73.03
	5116	4C0	2.17	.22	.49				97.12	*							
	5117	4C0	.66	.45	.92				97.96	*							
	5118	4C3	.43	.40	.55				98.61	*							
	5119	4C0	.87	.72	.28				98.13	*							
	5120	4C0	.87	.28	.30				98.56	*							
	5121	4C0	.90	.30	.64				98.16	*							
	5122	4C0	.46	.28	.30				98.96	*							
	5123	4C0	.14	.50	.30				99.06	*							

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 74-A052

Project: GRUM RELOG

Location: VANGORDA PLAT.

Claim: _____

*1979 Hiw
Orthophoto Survey*

UTM Terr. Plane
Co-ords.: 6904914.4 N

592478.0 E

Grid
Co-ords.: 68 W/6 N

Elevation: 1289.28

Total Depth: 859.0'

Purpose: _____

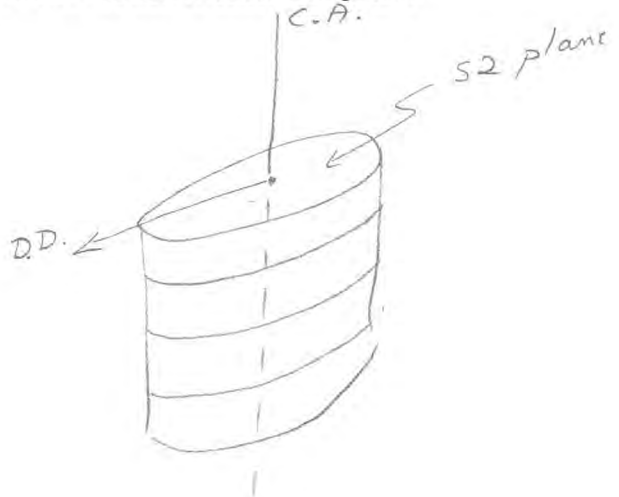
Re Logged by: DJH Date(s) Logged: _____

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

BQ 129 859.

Started: 17/10/74 Completed: ?/10/74

Fabric Orientation Diagram:



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 230.

Lithologic Log

Logged By: D.J.H.

Code	From	To	Unit	Code	Description
1	10 14 16	20	22 23	25 27	
L	1100	11290	11	11	# 0/B ; granitic boulders cored from 96-129 (10' core)
L	11290	11417	12	4L10	minor isolated py/po
L	11417	11817	13	5B16	v. minor w.m. dev
L	11817	120100	14	4L10	as unit 2 w/ sl laminae rich in bright green chl
L	120100	120171	15	5B16	minor bxia @ upper ct.
L	120171	122101	16	5B16	? w/ some 4L? ; gouge zone w/ heavily broken and lost core.
L	122101	123180	17	5B16	v. minor 4L dev
L	123180	123193	18	4L10	as units 2 & 4
L	123193	125118	19	5B16	
L	125118	125131	110	4L10	minor talc?
L	125131	125156	111	5B16	→ 5B69 (sph) locally ; grey phyllite.
L	125156	125175	112	5B16	? bxia zone w/ fine f clasts surrounded w/ 70% sdes (sph > gal > py)
L	125175	128105	113	5B16	grey-green phy
L	128105	128113	114	4A10	
L	128113	128120	115	4L12	→ 4L24
L	128120	128133	116	5D13	
L	128133	128141	117	5B16	
L	128141	128153	118	4D10	bxia w/ sde infillings
L	128153	128166	119	4G10	4G w/ 20% quartzite frags.
L	128166	129123	210	4L10	→ 4L2 @ T.O.I ; chips of 7A 286.6-287
L	129123	129136	211	5D10	
L	129136	131131	212	5B16	v minor 5D
L	131131	131158	213	4L10	talc?
L	131158	132154	214	5B16	
L	132154	132174	215	4L10	
L	132174	142115	216	5B16	mud & sand @ 357 ; 350-360 v blocky w/ 5' core rec ; 5" band of 4L3 @ 362'
L	142115	14477	217	4L10	sl foliaform dark green chl. ; minor biotite rich sections ; altered 3G schist?
L	14477	14577	218	5B16	
L	14577	14598	219	5B16	? gouge + heavily broken core.

Lithologic Log

Code	From	To	Unit	Code	Description
1	10 14 16	20 22 23 25 27			
L	145198	14720	310	5B16	
L	14720	148190	311	4A10	→ 5B19 locally; core missing (80%) 480-489
L	148190	14910	312	5D13	mottled (streaky); Fe, Mg CO ₃ bearing.
L	14910	150175	313	5B16	w/ 8" gouge @ upper ct.; core missing 490-499
L	150175	151106	314	5D13	streaky.
L	151106	151117	315	4C10	bxia. w/ sdc infillings; 4L1?
L	151117	151173	316	5D13	streaky.
L	151173	152165	317	4A14	
L	152165	155158	318	4L10	generally; → 4L3 locally; 5" mass. sdc band @ 546; ± garnet ± biotite rich zones; incompletely altered 4360?
L	155158	156175	319	5B16	
L	156175	15760	410	4L10	+ talc?
L	15760	158100	411	4E14	w/ 15% 4G
L	158100	15823	412	4G14	
L	15823	158192	413	4E10	bxia. w/ py infillings
L	158192	159160	414	4E18	± w/ 20% bands & clasts of 4C
L	159160	160140	415	4E10	→ 4E4 towards end of int; lower ct. grad over 3 feet.
L	160140	161166	416	4C18	→ 4C89 locally; 30-50% py.
L	161166	161725	417	4C10	20-40% py; decreasing py (→ ~5%) 661-672.5
L	161725	1618160	418	4L10	minor gouge & breccia
L	1618160	161915	419	4L17	
L	161915	171030	510	4L12	
L	171030	171190	511	4L10	min sdes
L	171190	17112	512	5B16	v. pale green colour; incip. 4L dev.
L	17112	171545	513	4L10	minor gouge
L	171545	171720	514	5B16	as unit 52
L	171720	171816	515	0190	minor po. fillings
L	171816	181460	516	3G10	schist; ± biotite ± garnet; buff musc. suggesting (reflecting?) coarser grain size or weak & patchy 4L dev. ? or both?
					only v. minor chl. observed
L	181460	181545	517	5B16	as units 52 & 54
L	181545	181590	518	3G10	as unit 56

Structural Log

Code	From		To ft.		Feature	S ₁ Dip	S ₁ Direct.	S ₂ Dip		S ₂ Direct.	Description
	10	14	16	20				22	24		
											0/B 0-129'
S			13130		CISR			80	2130		Z region 129-193 w/minor
S			15130		CISR			80	2130		D.D. and
S			17130		CISR			75	2130		
S			19130		FRZ			74	2130		S region 193-207.1
S			20171		FRS			80	2130		Gouge zone 207.1-220.1
											-no sym or S ₂ measured.
S			22101		CISR			52	2130		Z region 220.1-280.5
S			23185		CISR			79	2130		(D ₃ ? complications) - minor
S			25190		CISR			77	2130		horiz. S ₂ & PS ₂
S			28105		FRZ			76	2130		R region 280.5-286.6
S			28166		FRR						-sdes & split core
S			30100		CISR			55	2130		Z region 286.6-347.0'
S			32100		CISR			77	2130		w/ 10% "S" sym.
S			33185		CISR			77	2130		
S			34170		FRZ						PS ₂ region 347.0-379.0
S			35110		PSR			70	2130		
S			37100		PSR			72	2130		
S			37190		FRP						Z region 379.0-410.0
S			39110		CISR			67	2130		
S			41100		FRZ			68	2130		D.D. region 410.0-424.0
S			42190		FRD						M region 424.0-434.0
S			42190		CISR			63	2130		
S			43140		FRM						Z region 434.0-443.0-480
S	MTT		44130		FRZ						PS₂ region 443.0-4600
S			45190		CISR			76	2130		
S			47150		CISR			73	2130		
S			48100		FRZ						Core missing 480.0-499.0
S			48195		PSR			78	2130		-no sym
S			49190		CISR			75	2130		Z region 499.0-507.5
S			50175		FRZ						R region 507.5-526.5
S			51135		PSR			67	2130		
S			52165		FRR			71	2130		D region 526.5-555.0
S			54120		CISR			69	2130		
S			55150		FRD						Z region 555.0-576.0
S			56120		CISR			75	2130		

Feet

FAULT

DDH F.A.G.A.052
2 8

Cyprus Anvil Mining Corp.

Page _____ of _____

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
F	121071		121000		1X10									minor bxa
F	121071		122101		GBIP									gouge zone w/ heavily brken & lost core
F	121556		121575		X1D?									bxa zone w/ fine cleats surrounded w/ 70% sulphide sph 7ga-7py
F	121841		121853		X1D?									bxa w/ sulphide infillings
F	121853		121866		X1D									4G w/ 20% granite frags
F	121866		121870		3B									chips of 4A
F	131510		131610		3BIP5									5/10 ft recovery, v. blocky mud & sand @ 357
F	141577		141598		3B16									gouge & heavily brken core
F	141800		141890		CP112									80% core missing
F			141910		1G									8" gouge
F	141910		141910		P111									core missing
F	151106		151117		X1D?									bxa w/ sulphide infillings
F	151823		151892		X1D?									bxa w/ py infillings
F	151819		151910		X1D?									w/ 20% bands & cleats of 4C
F	161725		161816		1X1G									minor gouge & bxa
F	171412		171545		1G									minor gouge

DIAMOND DRILL RECORD

LOGGED BY _____

D.D.H. No. A - 52 PAGE 4 of 8

PROPERTY _____

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____



CLAIM No. _____

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet					
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag			
471.5	507.5	MEDIUM GREY VARIABLY CONTORTED AND MINERALIZED QUARTZ-SERICITE PHYLLITE. 471.5 - 489 - Medium to dark grey quartz-sericite phyllite with well developed F folds and 5 - 15% sulphides (2/3 pyrite, 1/3 pyrrhotite, lead-zinc and chalcopyrite). (Est. 1 - 2 lead-zinc). Sulphides occur as conformable (F ₂) bands or late cross cutting veinlets. ≈ Core angle 65 - 75° throughout.	9.2	864 ✓	472	482	10	.25	.55	.21								
		489 - 491 - Pale green streaky quartz-sericite-chlorite mariposite phyllite, has a gneissic look, Sulphides < 5%.	7.0	865 ✓	482	489.2	7.2	.18	.44	.21					8.0	PbZn		
		491 - 507.5 - Pale to medium grey quartz-sericite phyllite. Is moderately contorted laminae and < 5% sulphides.			472.0	489.2	17.2	.72	PbZn			wt. Av.			4.46	"		
		489 - 491 - Pale green streaky quartz-sericite-chlorite mariposite phyllite, has a gneissic look, Sulphides < 5%.													12.46	"		
507.5	517	PALE GREEN GREY QUARTZ-SERICITE-CHLORITE + MARIPOSITE PHYLLITE. A streaky sequence of phyl. of variable composition owing the appearance to light and dark colored bands of Qtz. and ser. and chl. The central 2' of this section is more massive ie > Qtz. content and less streaky in appearance. Sulph < 5%. Core angles: 508' = 90; 511' = 75; 514' = 70.	95%															
517	527.5	DARK GREY QUARTZ-SERICITE-SULPHIDE PHYLLITE. Contains on an average 30% sulph (mainly pyr.) 1 - 2% pyrrho. Sulph occur as bands conformable to F2 foliation. #866 - Dark phy to 30 - 40% sulph - up to 10% lead-zinc. #867 - Med. grey phy. Variably contorted containing 30 - 70% sulph 7 - 9% lead-zinc. Minor pyrrh. Core angles: 518' = 55; 519' = 70; 521' = 75; 523' = 60; 524' = 75; 527' = 70.	3.0	866	517	520.5	3.5	3.90	5.46	1.47					13.65	19.11	5.14	
			6.5	867	520.5	527.5	7.0	3.23	5.52	1.32				22.61	38.84	9.24		
					517.0	527.5	10.5	3.45	5.50	1.21		wt. Av.		36.26	57.75	14.38		

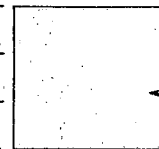
DIAMOND DRILL RECORD

LOGGED BY _____

D.D.H. No. A - 52

PAGE 5 of 8

PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH Ultimate: _____



CLAIM No. _____

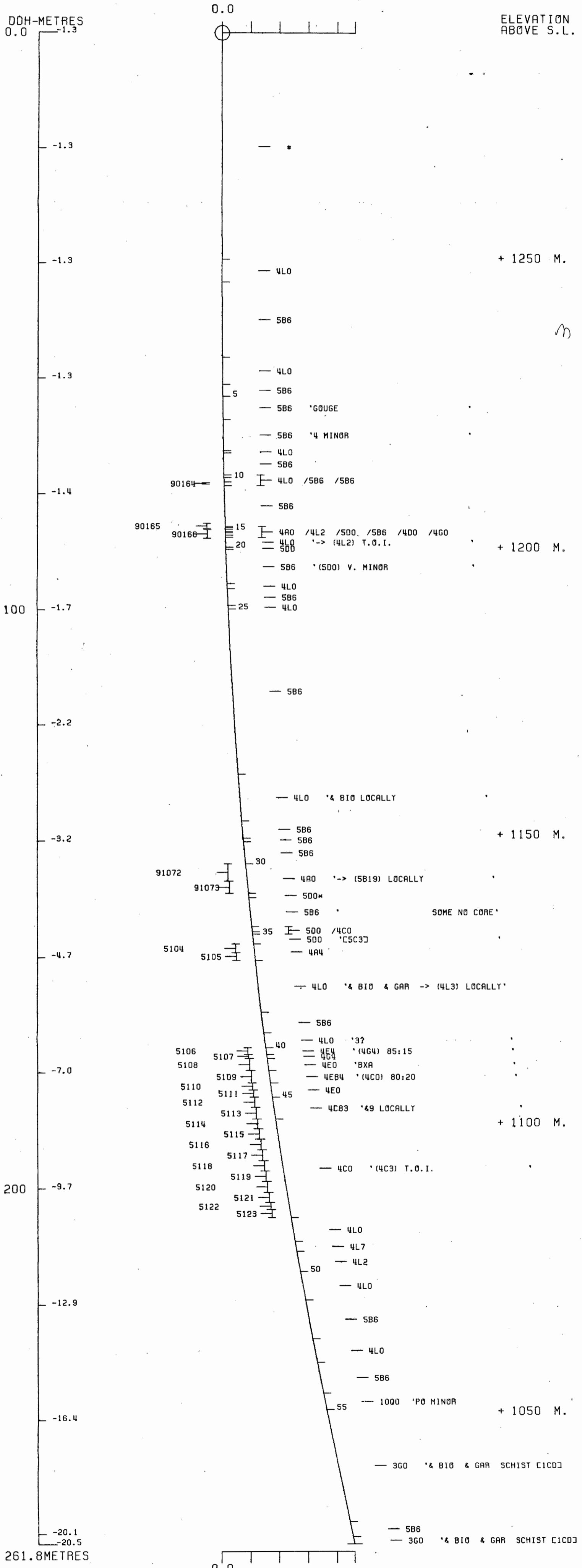
DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet			
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
527.5	558	PALE GREEN GREY QUARTZ-SERICITE-CHLORITE + BIOTITE PHYLLITE. Laminae vary quite a lot in both thickness and composition. Can have whole 1/2" laminae of pure pale green ser. Qtz-chl veins at 536', 538'. Sulph avg. 2 - 3% though some massive pyr sections occur such as at 546' (5" of 80% sulph). 549.5 - 554.5 - A biotite chl-garnet section. 1/2 - 1 mm garnets with chlorite in the phy. Core angles: 528' = 75 - 85; 529' = 75; 530' = 60; 530.5' = 55; 531' = 60; 541' = 65; 545' = 50; 549' = 75; 550' - 558' = 70.	90%		527.5	558.0										
558	566.8	MEDIUM GREY FINELY LAMINATED UNCONTORTED QUARTZ-SERICITE PHYLLITE. Quite fissile, thinly laminated 2% py, pyrhh. Core angles: 562' = 80; 565' = 70.	90%		558.0	566.8										
566.8	575.5	PALE GREEN QUARTZ-SERICITE + CHLORITE PHYLLITE. See 527.5 - 558' above. Almost identical Core angles: 567 - 571' = 70; 572' = 80; 574' = 75.	75%		566.8	575.5										
575.5	661.1	SULPHIDE ZONE IN QUARTZ-SERICITE PHYLLITE. 575.5 - 603.5 - Massive py and gal., sph and minor pyrhh. Py > pyr (5:1) Pyr averages 2 - 5%. 575' Mag makes its first noticeable appearance as clots and bands of massive material (averages 2 - 4%). Sulph breccia from 579' - 581'; 583' - 585'. Sulph become less massive with qtz and ser becoming more common from 603.5 on down. Ser in zone pale buff color. #868 - 80 - 85% sulph (mainly py) 10 - 12% Pb-Zn. #869 - 80% sulph, mostly py, brecciated 10 - 12% Pb-Zn. #870 - Massive sulph 60 - 80% - mainly py, 2 - 4% pyrhh; 2% mag, 12 - 15% PbZn. #871 - Fine grained massive py 70%; 2 - 5% mag, 4 - 6% PbZn #872 - Massive py 60 - 70%, 3 - 4% mag, 10 - 12% Pb-Zn with a qtz gangue.														
			3.2	868	575.5	579	3.5	4.65	4.20	1.47				16.28	14.7	5.15
			10	869	579	589	10	2.50	3.84	1.21				25.00	38.40	12.10
			7.0	870	589	596	7.0	3.83	4.98	1.56				26.81	34.86	10.92
			4.3	871	596	600.5	4.5	2.45	3.36	1.21				11.03	15.12	5.45
			3.5	872	600.5	604	3.5	6.75	8.16	2.27				23.63	28.56	7.95
			6.2	873	604	610.5	6.5	1.23	1.94	.59				20.61	27.27	
			6.0	874	610.5	616.5	6.0	.60	.99	.29				9.54	"	
			4.3	875	616.5	620.8	4.3	1.28	1.10	.38				10.23	"	
			11.8	876	620.8	632.9	12.1	.27	.40	.21				8.21	"	
			6.3	877	632.9	639.3	6.4	.45	.56	.24				6.46	"	
			6.2	878	639.3	645.5	6.2	.32	.40	.12				4.46	"	
			10	879	645.5	655.5	10	.48	.16	.15				6.40	"	
			5.6	893	645.5	661.1	5.6	.27	.37	.21				3.58	"	
					575.5	589.0	13.5	3.06	3.93	1.28	WAV			41.28	53.10	17.25
					589.0	601.0	12.0	4.10	5.21	1.62	WAV			16.11	19.54	6.32

DDH: FAGA052 -- 42 DEGREE PROFILE
 (VIEW AZIMUTH = 312 DEGREES)

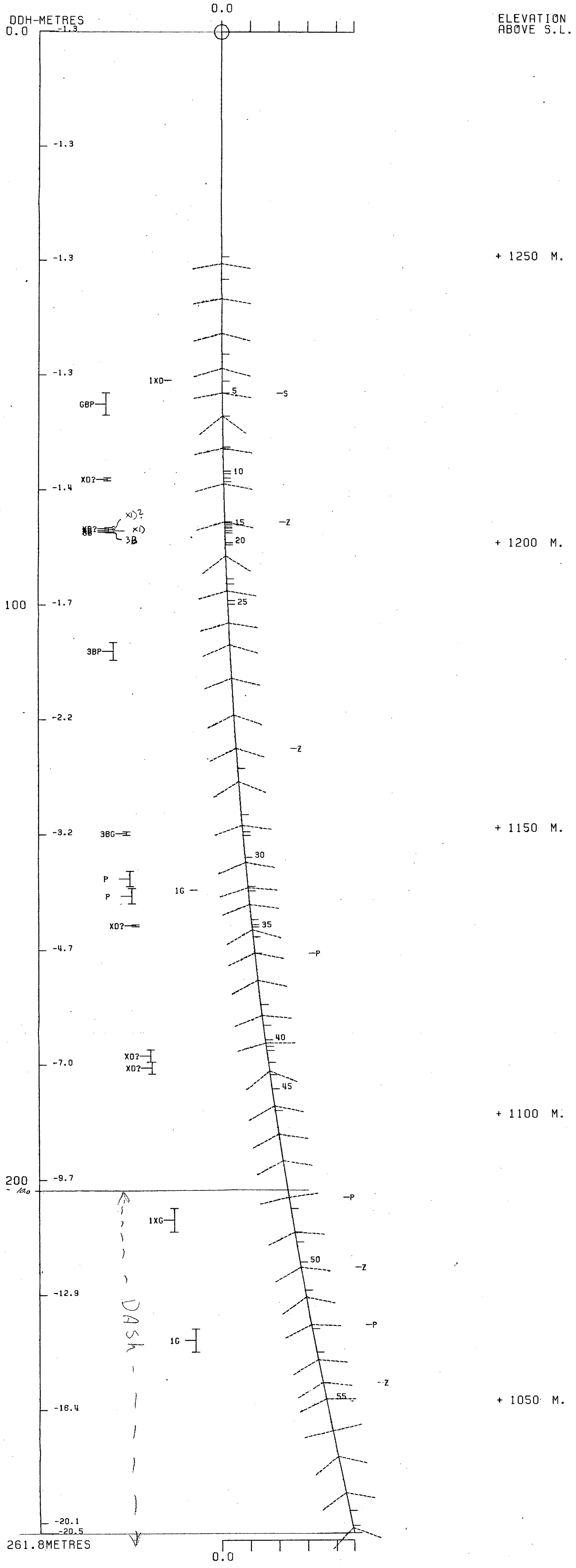
ELEV:1289 592478E ; 904914N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 557.8 Z = 1289.1
 SECTION NAME: 68W



DDH: FAGA052 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV:1289 592478E ; 904914N
 PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0
 CORRECTED COLLAR POSITION: X = 557.8 Z = 1289.1
 SECTION NAME: 68W



75 A052

DDH	SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PC+PY %	ZN RATIO	
		FROM	TO																
FAGAC62	9793	48.2	52.1	3.9	18	4A0		.03	.49	.32	11.0						.81		.40
	9794	74.4	76.5	2.1	33	4E4	3.60	.32	5.11	4.70	72.0	.69	6.31	14.50			9.81	20.81	.48
	9795	81.8	83.3	1.5	100	4E4	4.67	.14	8.50	7.10	122.0	1.37	2.65	24.90			15.60	27.55	.46
	9796	83.3	84.4	1.1	100	4E4	4.30	.12	9.90	5.50	124.0	.41	6.74	22.40			15.40	29.14	.36
	9797	84.4	85.6	1.2	92	4L2	2.98	.09	.70	.88	15.0	1.71	5.25	2.48			1.58	7.73	.56
	9798	127.0	128.0	1.0	100	4E42	3.90	.07	6.40	11.80	113.0	1.17	6.31	15.70			18.20	22.01	.65
	9799	128.0	130.1	2.1	100	4E42	4.37	.23	5.70	11.50	100.0	5.34	3.46	25.70			17.20	29.16	.67
	9800	130.1	131.8	1.7	94	4AE	2.95	.03	.64	1.35	13.0	2.95	1.45	7.30			1.99	8.75	.68
	9801	131.8	133.0	1.2	83	4EL	2.93	.03	1.86	4.60	46.0	1.37	2.71	20.00			6.46	22.71	.71
	9802	133.0	134.5	1.5	100	4GE	4.57	.11	4.30	8.30	93.0	1.23	1.08	13.10			12.60	14.18	.66
	9803	134.5	135.9	1.4	86	4GE	4.66	.10	5.10	10.30	95.0	.75	2.31	22.10			15.40	24.41	.67
	9804	135.9	137.2	1.3	92	4E4	4.69	.17	5.00	9.20	99.0	1.10	2.17	24.70			14.20	26.87	.65
	9805	137.2	138.5	1.3	100	4E4	4.64	.18	5.20	11.70	106.0	2.26	2.61	26.40			16.90	29.01	.69
	9C227	166.0	167.0	1.0		4L4			1.12	1.14	12.0						2.26		.50
	9806	176.0	177.6	1.6	94	4A4	3.41	.12	3.00	5.50	50.0	.75	1.68	15.90			8.50	17.58	.65
	9807	177.6	179.9	2.3	100	4EA	3.42	.35	.28	.75	17.0	.34	2.25	19.50			1.03	21.75	.73
	9808	179.9	181.8	1.9	95	4A0	3.18	.22	.29	.58	10.0	.34	2.05	14.30			.87	16.35	.67
	9809	181.8	183.6	1.8	67	4A0	3.38	.31	.14	.56	20.0	.21	1.99	19.30			.70	21.29	.80
	9810	183.6	185.0	1.4	100	4EC	3.27	.48	.23	1.51	19.0	.34	2.98	16.00			1.74	18.98	.87
	9811	185.0	186.4	1.4	86	4AE	3.50	.19	.36	1.50	18.0	.75	2.70	20.40			1.86	23.10	.81
	9812	198.6	201.2	2.6	100	4L0		.07	.53	.76	10.0						1.29		.59
	9813	218.5	220.5	2.0	100	4L24		.14	1.19	1.35	16.0						2.54		.53
	9814	245.2	245.9	.7	86	4EL	2.97	.12	7.20	8.50	61.0	1.65	11.37	11.30			15.70	22.67	.54
	9815	245.9	248.7	2.8	39	4ACL	2.87	.04	.22	.30	3.0	.01	2.97	3.00			.52	5.97	.58
	9816	248.7	250.6	1.9	100	4L24	2.92	.04	.13	.20	2.0	.01	7.41	2.59			.33	10.00	.61
	9817	250.6	252.7	2.1	95	4L24	2.95	.06	.09	.11	4.0	.01	5.44	4.28			.20	9.72	.55
	9818	252.7	254.8	2.1	100	4E48	3.25	.23	3.00	3.80	48.0	1.58	6.14	27.10			6.80	33.24	.56
	9819	254.8	256.6	1.8	100	4E80	4.49	.27	.90	1.37	19.0	1.99	6.76	35.00			2.27	41.76	.60
	9820	256.6	258.5	1.9	95	4E80	4.40	.22	1.83	.98	37.0	2.19	5.28	34.60			2.81	39.88	.35
	9821	258.5	260.3	1.8	100	4E48	4.29	.21	5.21	4.90	77.0	.34	9.26	23.20			10.11	32.46	.48
	9822	260.3	262.1	1.8	100	4E48	4.26	.32	2.70	3.00	44.0	2.61	7.23	27.30			5.70	34.53	.53
	9823	267.0	269.0	2.0	45	4A0		.16	.81	1.65	17.0						2.46		.67
	9824	294.9	297.0	2.1	100	4AC	3.34	.22	2.80	1.15	36.0	.41	7.00	12.70			3.95	19.70	.29
9825	297.0	299.0	2.0	100	4AC		.15	.53	.67	14.0						1.20		.56	

DRILL HOLE : FAGA062
NORTHING : 904,862.1
EASTING : 592,347.4
ELEVATION : 1,275.8
TOTAL DEPTH : 301.1
SECTION : W 70
R.F.E. : S2
RFE DIRECTION: 230
PLUNGE ANGLE : 11
PLUNGE DIRECT: 312
DHD CALC: 1
SS CALC: 1

DETAIL RECORD COUNTS:

NOS CRE-SAMPLES: 34
NOS DOWN-H-SURVEYS: 5
NOS DOWN-H-LITHCLOGY: 147
NOS DOWN-H-STRUCTURE: 60
NOS DOWN-H-FAULTS: 47
NOS DOWN-H-SPLINES: 5
NOS COMPOSITES: 0

DDH: FAGAO62 UTM-N: 904,868.1 UTM-E: 592,347.4 UTM-ELEV: 1,279.8 TOTAL DEPTH: 301.1 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT.	REC.	ROCK UNIT	S.G. PULP	-----ASSAYS-----												
FROM	TO						CU %	PB %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(FA) G/MT	PO %	PY %	TOT FE	BAO %	HG %	MN %	AS %
48.2	52.1	09793	3.9	.7	4A0		.03	.49	.32	11.00									
74.4	76.5	09794	2.1	.7	4E4	3.60	.32	5.11	4.70	72.00		.69	6	14	20				
81.8	83.3	09795	1.5	1.5	4E4	4.67	.14	8.50	7.10	122.00		1.37	2	24	27				
83.3	84.4	09796	1.1	1.1	4E4	4.30	.12	9.90	5.50	124.00		.41	6	22	29				
84.4	85.6	09797	1.2	1.1	4L2	2.98	.09	.70	.35	15.00		1.71	5	2	7				
127.0	128.0	09798	1.0	1.0	4E42	3.90	.07	6.40	11.30	113.00		1.17	6	15	22				
128.0	130.1	09799	2.1	2.1	4E42	4.37	.23	5.70	11.50	100.00		5.34	3	25	29				
130.1	131.8	09800	1.7	1.6	4AE	2.95	.03	.64	1.35	13.00	13.00	2.95	1	7	3				
131.8	133.0	09801	1.2	1.0	4EL	2.93	.03	1.86	4.60	46.00		1.37	2	20	22				
133.0	134.5	09802	1.5	1.5	4GE	4.57	.11	4.30	8.30	93.00		1.23	1	13	14				
134.5	135.9	09803	1.4	1.2	4GE	4.66	.10	5.10	10.30	95.00		.75	2	22	24				
135.9	137.2	09804	1.3	1.2	4E4	4.69	.17	5.00	9.20	99.00		1.10	2	24	26				
137.2	138.5	09805	1.3	1.3	4E4	4.64	.18	5.20	11.70	106.00		2.26	2	26	29				
166.0	167.0	90227	1.0	.0	4L4			1.12	1.14		12.00								
176.0	177.6	09806	1.4	1.5	4A4	3.41	.12	3.00	5.50	50.00		.75	1	15	17				
177.6	179.9	09807	2.3	2.3	4EA	3.42	.35	.28	.75	17.00		.34	2	19	21				
179.9	181.8	09808	1.9	1.3	4A0	3.18	.22	.29	.58	10.00		.34	2	14	16				
181.8	183.6	09809	1.8	1.2	4A0	3.38	.31	.14	.56	20.00		.21	1	19	21				
183.6	185.0	09810	1.4	1.4	4EC	3.27	.48	.23	1.51	19.00		.34	2	16	18				
185.0	186.4	09811	1.4	1.2	4AE	3.50	.19	.36	1.50	18.00		.75	2	20	23				
198.6	201.2	09812	2.6	2.6	4L0		.07	.53	.76	10.00									
218.5	220.5	09813	2.0	2.0	4L24		.14	1.19	1.35	16.00									
245.2	245.9	09814	.7	.6	4EL	2.97	.12	7.20	8.50	61.00		1.65	11	11	22				
245.9	248.7	09815	2.8	1.1	4ACL	2.67	.04	.22	.30	3.00		.01	2	3	5				
248.7	250.6	09816	1.9	1.9	4L24	2.92	.04	.13	.20	2.00		.01	7	2	10				
250.6	252.7	09817	2.1	2.0	4L24	2.95	.06	.09	.11	4.00		.01	5	4	9				
252.7	254.8	09818	2.1	2.1	4E48	3.25	.23	3.00	3.80	48.00		1.58	6	27	33				
254.8	256.6	09819	1.8	1.5	4E80	4.49	.27	.90	1.37	19.00		1.99	6	35	41				
256.6	258.5	09820	1.9	1.8	4E80	4.40	.22	1.83	.98	37.00		2.19	5	34	39				
258.5	260.3	09821	1.8	1.8	4E48	4.29	.21	5.21	4.90	77.00		.34	9	23	32				
260.3	262.1	09822	1.8	1.6	4E48	4.26	.32	2.70	3.00	44.00		2.61	7	27	34				
267.0	269.0	09823	2.0	.9	4A0		.16	.81	1.65	17.00									
294.9	297.0	09824	2.1	2.1	4AC	3.34	.22	2.80	1.15	36.00		.41	7	12	19				
297.0	299.0	09825	2.0	2.0	4AC		.15	.53	.67	14.00									

WEIGHTED AVERAGE

48.2	52.1	3.9	.7			.03	.49	.32	11.00										
74.4	76.5	2.1	.7	3.60		.32	5.11	4.70	72.00		.69	6	14	20					
81.8	85.6	3.2	3.7	4.02		.11	6.44	4.67	88.78		1.19	4	17	21					
127.0	138.5	11.9	10.9	4.09		.12	4.22	8.50	81.67	1.92	2.28	2	19	22					

SUB: PABG02C UTM-N: 0347131.1 UTM-E: 1907147.4 UTM-ELV: 1,279.4 TOTAL DEPTH: SDI.1 SECTION: W 70
 REF: 02 RFE DIP: 330 FLUNGE ANGLE: 11 SIZ DHD CALC: 1 SS CALC: 1

---DEPTHS---		SAMPLE NO.	INT. REC.	ROCK UNIT	ASSAYS														
FROM	TO				S.G. PULP	CU %	FE %	ZN %	AG(AA) G/MT	AG(FA) G/MT	AL(PA) G/MT	PD %	PY %	TOT FE	BAO %	HS %	MN %	AS %	BA %
166.0	167.0		1.0	.0			1.12	1.14		12.00									
176.0	186.4		10.4	9.4	3.35	.27	.68	1.62	21.72		.43	2	17	19					
196.6	201.2		2.6	2.6		.07	.53	.76	10.00										
218.5	220.5		2.0	2.0		.14	1.19	1.35	16.00										
245.2	252.1		16.9	14.9	3.58	.16	1.87	2.00	28.73		1.04	6	18	24					
267.0	269.0		2.0	.9		.16	.81	1.65	17.00										
274.9	299.0		4.1	4.1	1.71	.13	1.69	.91	25.26		.21	3	6	10					

30MAR84 GRUM

DOWN-HOLE SURVEYS (DHO20)

PAGE: 25

DDH: FAGA062 UTM-N: 904,868.1 UTM-E: 592,347.4 UTM-ELEV: 1,279.8 TOTAL DEPTH: 301.1 SECTION: W 70
RFE: S2 RFE DIR: 230 FLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	ZENITH	AZIMUTH
0.000	180.000	0.000
61.000	176.500	122.000
121.900	170.000	106.000
182.900	169.000	114.000
225.000	163.000	101.000

DATE: 8/6/67

WELL: LITHIUM (1000)

PAGE: 1

 COR: PASAGEZ UTM-N: 504292.1 UTM-E: 592347.4 UTM-DEP: 12279.8 TOTAL DEPTH: 301.1 SECTION: 8 70
 RFE: 52 RFE DIR: 230 FLANGE ANGLES: 11 312 CHD CALC: 1 50 CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
18.0	OC01	#		0.5-	1
36.9	OC02	5004		0.5-	1
37.2	OC03	5006		0.5-	1
41.1	OC04	5003		0.5-	1
45.0	OC05	5043		0.5-	1
48.2	OC06	5023		0.5-	1
52.1	OC07	4A0		0.5-	1
53.3	OC08	5062		0.5-	1
53.9	OC09	5043		0.5-	1
55.8	OC10	5003		0.5-	1
56.4	OC11	500		0.5-	1
60.3	OC12	503		0.5-	1
69.2	OC13	500		0.5-	1
72.9	OC14	5040		0.5-	1
74.4	OC15	5064		0.5-	1
76.5	OC16	4E4		0.5-	1
79.7	OC17	506		0.5-	1
79.9	OC18	4L4		0.5-	1
81.1	OC19	5043		0.5-	1
81.4	OC20	504*		0.5-	1
81.5	OC21	4L74		0.5-	1
84.4	OC22	4E4	BXA	0.5-	1
84.7	OC23	4L2		0.5-	1
85.2	OC24	4L2		0.5-	1
85.6	OC25	4L2		0.5-	1
93.0	OC26	5003		0.5-	1
96.9	OC27	5043		0.5-	1
98.1	OC28	5003		0.5-	1
102.8	OC29	5033		0.5-	1
103.3	OC30	503		0.5-	1
106.5	OC31	5033		0.5-	1
106.9	OC32	5043		0.5-	1
114.1	OC33	5033		0.5-	1
117.5	OC34	503		0.5-	1
118.2	OC35	5003		0.5-	1
118.4	OC36	5043		0.5-	1
121.1	OC37	5023		0.5-	1
122.4	OC38	5023		0.5-	1
126.6	OC39	5020		0.5-	1
126.8	OC40	5E4		0.5-	1
127.0	OC41	504*		0.5-	1
127.6	OC42	4E0		0.5-	1
128.0	OC43	4E42		0.5-	1
128.3	OC44	4A0		0.5-	1
130.1	OC45	4E0	& POROUS (4CC)	0.5-	1
131.6	OC46	4A0		0.5-	1
132.3	OC47	4E0		0.5-	1
132.4	OC48	4E0		0.5-	1
132.7	OC49	4L2		0.5-	1
133.0	OC50	4L4	(1000)	0.5-	1
134.5	OC51	4G4	(4E0)	0.5-	1

LOG: FAGAJE UTM-N: 904,967.1 UTM-E: 592,347.4 UTM-ELEV: 1,279.3 TOTAL DEPTH: 201.1 SECTION: W 70
 RFE: 52 RFE DIR: 230 PLUNGE ANGLES: 11 312 DRD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
133.0	OC52	4E0	BXA	0.5-	1
135.9	OC53	4E4		0.5-	1
138.3	OC54	4E4	(4E4 POROUS) (4E4)	0.5-	1
142.3	OC55	5A9	(4A0)	0.5-	1
145.1	OC56	5A9		0.5-	1
147.4	OC57	5B62		0.5-	1
149.5	OC58	5B62		0.5-	1
149.8	OC59	5B2	(5A0)	0.5-	1
150.2	OC60	5B26	(5A0)	0.5-	1
151.2	OC61	5B26		0.5-	1
151.6	OC62	5B26		0.5-	1
153.6	OC63	5A0	(5B26)	0.5-	1
155.4	OC64	5B6	(5B26)	0.5-	1
155.7	OC65	5B6		0.5-	1
157.9	OC66	5B6		0.5-	1
158.0	OC67	5B6		0.5-	1
158.7	OC68	5B6		0.5-	1
158.8	OC69	5B6		0.5-	1
159.4	OC70	5B6		0.5-	1
159.5	OC71	5B6		0.5-	1
161.7	OC72	5B6		0.5-	1
161.8	OC73	5B6		0.5-	1
166.1	OC74	5B6	83 MINOR [NOT SEC]	0.5-	1
166.7	OC75	4L0		0.5-	1
167.0	OC76	4L4		0.5-	1
168.7	OC77	4L0	(4L2) (5D4a)	0.5-	1
168.9	OC78	5B6		0.5-	1
169.0	OC79	5B6		0.5-	1
170.2	OC80	5B6		0.5-	1
170.7	OC81	5B6		0.5-	1
170.0	OC82	5B6		0.5-	1
171.1	OC83	5B6		0.5-	1
172.8	OC84	5B6		0.5-	1
174.0	OC85	5B6		0.5-	1
175.6	OC86	5B6		0.5-	1
176.0	OC87	5B6		0.5-	1
177.6	OC88	4A4	BXA	0.5-	1
177.7	OC89	4E0		0.5-	1
178.0	OC90	4A0		0.5-	1
179.9	OC91	4E0		0.5-	1
183.6	OC92	4A0		0.5-	1
185.0	OC93	4E0	(4C0) BXA	0.5-	1
186.4	OC94	4A0	(4E0) 8 BXA	0.5-	1
187.5	OC95	5B6	(5B62)	0.5-	1
198.6	OC96	5B6	83 [NOT SEC]	0.5-	1
201.2	OC97	4L0		0.5-	1
201.5	OC98	5B62		0.5-	1
208.3	OC99	5B6		0.5-	1
208.9	O100	5D4B		0.5-	1
212.3	O101	5B62	(5B6)	0.5-	1
212.6	O102	5B6		0.5-	1

LOG: F-3-002 UTM-N: 504967.1 UTM-E: 5927347.4 UTM-ELEV: 17079.0 TOTAL DEPTH: 301.1 SECTION: W 70
 RFE: 52 RFE DIR: 210 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DEPTH	UNIT	CODE	DESC	RECOVERY	IND
213.3	0103	5B62		0.5-	1
214.0	0104	5B64	3 (4L0)	0.5-	1
218.3	0105	4LC	(1000)	0.5-	1
218.5	0106	4E43		0.5-	1
219.1	0107	4L4		0.5-	1
223.4	0108	4LC		0.5-	1
220.5	0109	4L24		0.5-	1
223.9	0110	4LC	(4L2)	0.5-	1
227.2	0111	5B62		0.5-	1
233.2	0112	5A0		0.5-	1
236.9	0113	5B64	82 (4L0)	0.5-	1
237.1	0114	5B6		0.5-	1
237.3	0115	5B6		0.5-	1
237.4	0115	5B6		0.5-	1
241.4	0117	4LC	(4L2 84)	0.5-	1
242.9	0118	5B26		0.5-	1
244.4	0119	4L29		0.5-	1
245.4	0120	5B72	84	0.5-	1
245.7	0121	4E4		0.5-	1
245.9	0122	4LC		0.5-	1
246.3	0123	5A9	(4A0)	0.5-	1
248.1	0124	4A0	BXA	0.5-	1
248.7	0125	400		0.5-	1
252.7	0126	4L24	(4L2)	0.5-	1
262.1	0127	4E43		0.5-	1
267.0	0128	4LC	(4L2)	0.5-	1
269.0	0129	4A0		0.5-	1
269.0	0130	5B6		0.5-	1
270.7	0131	4LC		0.5-	1
273.1	0132	4L2		0.5-	1
280.7	0133	5043	[5043]	0.5-	1
290.3	0134	4L72	89	0.5-	1
291.8	0135	5B6		0.5-	1
293.5	0136	5B26	(5A0)	0.5-	1
294.7	0137	5B6		0.5-	1
294.8	0138	5B6		0.5-	1
294.9	0139	5B6		0.5-	1
296.5	0140	4A0		0.5-	1
297.0	0141	4CC		0.5-	1
297.4	0142	4A0		0.5-	1
298.6	0143	4CC	8 BXA	0.5-	1
299.0	0144	4A0		0.5-	1
300.3	0145	5B6		0.5-	1
300.8	0146	5B64		0.5-	1
301.1	0147	3E3		0.5-	1

DDH: FAGAD62 UTM-N: 904,868.1 UTM-E: 592,347.4 UTM-ELEV: 1,279.3 TOTAL DEPTH: 301.1 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHC CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	SYMTRY	SQ	ANGLE	DIRECT	S1	ANGLE	DIRECT	S2	ANGLE	DIRECT	RFE	CDE	DHDC	SDC	PROCESS
FAGAD62	0.C	18.7	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	22.3	CS2	Z	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	24.8	CS2	Z	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	26.3	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	29.6	CS2	S	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	31.2	CS2	S	0	0	0	0	C	60	230	C	1	1	1	1	1	
FAGAD62	0.C	33.1	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	35.5	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	37.3	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	39.0	CS2	S	0	0	0	0	C	75	230	C	1	1	1	1	1	
FAGAD62	0.C	41.0	CS2	S	0	0	0	0	C	75	230	C	1	1	1	1	1	
FAGAD62	0.C	45.3	CS2	S	0	0	0	0	C	75	230	C	1	1	1	1	1	
FAGAD62	0.C	46.8	PS2	P	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	53.3	CS2	S	0	0	0	0	C	75	230	C	1	1	1	1	1	
FAGAD62	0.C	57.5	CS2	S	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	60.4	CS2	S	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	61.9	CS2	S	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	64.0	PS2	P	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	66.1	PS2	P	0	0	0	0	C	60	230	C	1	1	1	1	1	
FAGAD62	0.C	70.1	PS2	P	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	73.2	PS2	P	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	78.9	PS2	P	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	87.8	PS2	P	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	91.4	PS2	P	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	97.5	CS2	Z	0	0	0	0	C	50	230	C	1	1	1	1	1	
FAGAD62	0.C	103.6	CS2	Z	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	109.7	CS2	S	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	115.8	CS2	S	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	118.9	CS2	E	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	125.3	CS2	S	0	0	0	0	C	80	230	C	1	1	1	1	1	
FAGAD62	0.C	133.8	PS2	P	0	0	0	0	C	85	230	C	1	1	1	1	1	
FAGAD62	0.C	138.1	PS2	P	0	0	0	0	C	60	230	C	1	1	1	1	1	
FAGAD62	0.C	139.3	PS2	P	0	0	0	0	C	40	230	C	1	1	1	1	1	
FAGAD62	0.C	145.2	PS2	P	0	0	0	0	C	85	230	C	1	1	1	1	1	
FAGAD62	0.C	151.5	CS2	Z	0	0	0	0	C	50	230	C	1	1	1	1	1	
FAGAD62	0.C	155.4	CS2	Z	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	162.3	CS2	Z	0	0	0	0	C	75	230	C	1	1	1	1	1	
FAGAD62	0.C	164.9	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	171.6	PS2	P	0	0	0	0	C	75	230	C	1	1	1	1	1	
FAGAD62	0.C	175.0	CS2	E	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	186.5	PS2	P	0	0	0	0	C	75	230	C	1	1	1	1	1	
FAGAD62	0.C	191.1	CS2	Z	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	196.9	CS2	Z	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	202.7	CS2	Z	0	0	0	0	C	80	230	C	1	1	1	1	1	
FAGAD62	0.C	209.1	PS2	P	0	0	0	0	C	80	230	C	1	1	1	1	1	
FAGAD62	0.C	213.7	CS2	Z	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	221.1	PS2	P	0	0	0	0	C	70	230	C	1	1	1	1	1	
FAGAD62	0.C	228.6	CS2	Z	0	0	0	0	C	80	230	C	1	1	1	1	1	
FAGAD62	0.C	234.7	PS2	P	0	0	0	0	C	55	230	C	1	1	1	1	1	
FAGAD62	0.C	240.8	CS2	Z	0	0	0	0	C	65	230	C	1	1	1	1	1	
FAGAD62	0.C	244.8	CS2	Z	0	0	0	0	C	50	230	C	1	1	1	1	1	

JOB: FAGA032 UTM-N: 704,287.1 UTM-E: 592,247.4 UTM-ELV: 1,279.0 TOTAL DEPTH: 301.1 SECTION: W 70
 RFE: S2 RFE DIP: 230 FLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

JOB	F DEPTH	T DEPTH	FEAT	SYMTY	S0 ANGLE DIRECT	S1 ANGLE DIRECT	S2 ANGLE DIRECT	RFE CODE	DHDC	SDC	PROCESS
FAGA062	0.0	250.2	CS2	Z	0	0	50	230	C	1	1
FAGA062	0.0	259.1	PS2	P	0	0	65	230	C	1	1
FAGA062	0.0	263.7	PS2	P	0	0	70	230	C	1	1
FAGA062	0.0	272.5	PS2	P	0	0	70	230	C	1	1
FAGA062	0.0	278.9	PS2	P	0	0	65	230	C	1	1
FAGA062	0.0	284.1	PS2	P	0	0	60	230	C	1	1
FAGA062	0.0	286.1	CS2	Z	0	0	50	230	C	1	1
FAGA062	0.0	289.6	CS2	Z	0	0	50	230	C	1	1
FAGA062	0.0	299.3	PS2	P	0	0	75	230	C	1	1

DDH: FAGA062 UTM-N: 904,86E.1 UTM-E: 592,347.4 UTM-ELEV: 1,279.8 TOTAL DEPTH: 301.1 SECTION: W 70
 RFE: S2 RFE DIR: 230 PLUNGE ANGLES: 11 312 DHD CALC: 1 SS CALC: 1

DDH	F DEPTH	T DEPTH	FEAT	REC	CD	PARLL	UPPER PLANE	INTERNAL PLANE	LOWER PLANE	DHD
FAGA062	43.1	52.1	RPF	1			C	C	C	1
FAGA062	55.7	56.0	PF?				C	C	C	1
FAGA062	64.0	65.8	N				C	C	C	1
FAGA062	74.0	74.3	G				C	C	C	1
FAGA062	74.3	76.5	PR	4			C	C	C	1
FAGA062	76.5	79.7	BG	5			C	C	C	1
FAGA062	74.0	31.3	G3F				C	C	C	1
FAGA062	84.4	84.7	G				C	C	C	1
FAGA062	85.1	85.5	G				C	C	C	1
FAGA062	93.8	96.9	P	2			C	C	C	1
FAGA062	121.0	122.3	1G				C	C	C	1
FAGA062	126.8	127.0	G				C	C	C	1
FAGA062	127.0	127.5	X				C	C	C	1
FAGA062	131.8	132.2	GR				C	C	C	1
FAGA062	134.5	134.9	D?				C	C	C	1
FAGA062	135.9	136.7	D?				C	C	C	1
FAGA062	142.3	145.0	GB	4			C	C	C	1
FAGA062	147.4	149.5	G3F				C	C	C	1
FAGA062	149.8	150.2	G				C	C	C	1
FAGA062	150.2	151.1	S				99	999	0	1
FAGA062	151.1	151.6	G				C	C	99	1
FAGA062	147.4	151.6	3F				C	C	0	1
FAGA062	155.4	155.6	G				C	C	C	1
FAGA062	157.8	158.0	G				C	C	C	1
FAGA062	158.7	158.8	G				C	C	C	1
FAGA062	159.4	159.5	G				99	999	0	1
FAGA062	161.6	161.8	G				99	999	0	1
FAGA062	168.8	169.0	G				C	C	C	1
FAGA062	170.2	170.6	G				C	C	C	1
FAGA062	170.8	171.0	G				C	C	C	1
FAGA062	172.8	174.0	GP	5			C	C	C	1
FAGA062	175.5	176.0	G				99	999	0	1
FAGA062	176.0	177.6	X				C	C	C	1
FAGA062	176.0	185.0	C				C	C	C	1
FAGA062	201.1	201.4	G				C	C	99	1
FAGA062	212.2	212.5	G				30	320	0	1
FAGA062	236.9	237.0	G				C	C	C	1
FAGA062	237.3	237.3	G				C	C	C	1
FAGA062	241.4	242.9	G				C	999	0	1
FAGA062	246.2	248.1	XQ				C	C	C	1
FAGA062	267.0	268.9	R	3			C	C	C	1
FAGA062	268.9	269.8	B	7			C	C	C	1
FAGA062	269.8	270.6	G				C	C	C	1
FAGA062	272.7	273.1	G				C	C	C	1
FAGA062	290.3	291.8	GF	3			C	C	C	1
FAGA062	294.7	294.8	G				C	99	999	1
FAGA062	297.7	298.5	X				C	C	C	1

BLN: FAGA06Z UTM-N: 404249.1 UTM-E: 590349.4 UTM-ELEV: 1275.0 TOTAL DEPTH: 301.1 SECTION: W 70
RFE: S2 RFE DIR: 230 PLUNGE AN: 155 11 312 DRD CALC: 1 SS CALC: 1

LOH	SEGMENT NOS	COND INDICATOR
FAGAC6Z	1	2
FAGAC6Z	2	2
FAGAC6Z	3	2
FAGAC6Z	4	2
FAGA06Z	5	1

DDH	SAMPLE	---DEPTHS---		INT M	REC %	ROCK UNIT	S.G.	CU %	PB %	ZN %	AG G/MT	AU G/MT	PO %	PY %	BAO %	PB+ZN %	PO+PY %	ZN RATIO	
		FROM	TO																
FAGAC62	9793	48.2	52.1	3.9	18	4A0		.03	.49	.32	11.0								
	9794	74.4	76.5	2.1	33	4E4	3.60	.32	5.11	4.70	72.0								
	9795	81.8	83.3	1.5	100	4E4	4.67	.14	8.50	7.10	122.0	1.37	6.31	14.50		9.81	20.81	.48	
	9796	83.3	84.4	1.1	100	4E4	4.30	.12	9.90	5.50	124.0	.41	2.65	24.90		15.60	27.55	.46	
	9797	84.4	85.6	1.2	92	4L2	2.98	.09	.70	.88	15.0	1.71	6.74	22.40		15.40	29.14	.36	
	9798	127.0	128.0	1.0	100	4E42	3.90	.07	6.40	11.80	113.0	1.17	5.25	2.48		1.58	7.73	.56	
	9799	128.0	130.1	2.1	100	4E42	4.37	.23	5.70	11.50	100.0	5.34	6.31	15.70		18.20	22.01	.65	
	9800	130.1	131.8	1.7	94	4AE	2.95	.03	.64	1.35	13.0	2.95	3.46	25.70		17.20	29.16	.67	
	9801	131.8	133.0	1.2	83	4EL	2.93	.03	1.86	4.60	46.0	1.37	1.45	7.30		1.99	8.75	.68	
	9802	133.0	134.5	1.5	100	4GE	4.57	.11	4.30	8.30	93.0	1.23	2.71	20.00		6.46	22.71	.71	
	9803	134.5	135.9	1.4	86	4GE	4.66	.10	5.10	10.30	95.0	.75	1.08	13.10		12.60	14.18	.66	
	9804	135.9	137.2	1.3	92	4E4	4.69	.17	5.00	9.20	99.0	1.10	2.31	22.10		15.40	24.41	.67	
	9805	137.2	138.5	1.3	100	4E4	4.64	.18	5.20	11.70	106.0	2.26	2.17	24.70		14.20	26.87	.65	
	9C227	166.0	167.0	1.0		4L4			1.12	1.14	12.0		2.61	26.40		16.90	29.01	.69	
	9806	176.0	177.6	1.6	94	4A4	3.41	.12	3.00	5.50	50.0	.75	1.68	15.90		2.26		.50	
	9807	177.6	179.9	2.3	100	4EA	3.42	.35	.28	.75	17.0	.34	2.25	19.50		8.50	17.58	.65	
	9808	179.9	181.8	1.9	95	4A0	3.18	.22	.29	.58	10.0	.34	2.05	14.30		1.03	21.75	.73	
	9809	181.8	183.6	1.8	67	4A0	3.38	.31	.14	.56	20.0	.21	1.99	19.30		.87	16.35	.67	
	9810	183.6	185.0	1.4	100	4EC	3.27	.48	.23	1.51	19.0	.34	2.98	16.00		.70	21.29	.80	
	9811	185.0	186.4	1.4	86	4AE	3.50	.19	.36	1.50	18.0	.75	2.98	16.00		1.74	18.98	.87	
	9812	198.6	201.2	2.6	100	4L0		.07	.53	.76	10.0		2.70	20.40		1.86	23.10	.81	
	9813	218.5	220.5	2.0	100	4L24		.14	1.19	1.35	16.0					1.29		.59	
	9814	245.2	245.9	.7	86	4EL	2.97	.12	7.20	8.50	61.0	1.65	11.37	11.30		2.54		.53	
	9815	245.9	248.7	2.8	39	4ACL	2.87	.04	.22	.30	3.0	.01	2.97	3.00		15.70	22.67	.54	
	9816	248.7	250.6	1.9	100	4L24	2.92	.04	.13	.20	2.0	.01	7.41	2.59		.52	5.97	.58	
	9817	250.6	252.7	2.1	95	4L24	2.95	.06	.09	.11	4.0	.01	5.44	4.28		.33	10.00	.61	
	9818	252.7	254.8	2.1	100	4E48	3.25	.23	3.00	3.80	48.0	1.58	6.14	27.10		.20	9.72	.55	
	9819	254.8	256.6	1.8	100	4E80	4.49	.27	.90	1.37	19.0	1.99	6.76	35.00		6.80	33.24	.56	
	9820	256.6	258.5	1.9	95	4E80	4.40	.22	1.83	.98	37.0	2.19	5.28	34.60		2.27	41.76	.60	
	9821	258.5	260.3	1.8	100	4E48	4.29	.21	5.21	4.90	77.0	.34	9.26	23.20		2.81	39.88	.35	
	9822	260.3	262.1	1.8	100	4E48	4.26	.32	2.70	3.00	44.0	2.61	7.23	27.30		10.11	32.46	.48	
	9823	267.0	269.0	2.0	45	4A0		.16	.81	1.65	17.0					5.70	34.53	.53	
	9824	294.9	297.0	2.1	100	4AC	3.34	.22	2.80	1.15	36.0	.41	7.00	12.70		2.46		.67	
	9825	297.0	299.0	2.0	100	4AC		.15	.53	.67	14.0					3.95	19.70	.29	
																1.20		.56	

CYPRUS ANVIL MINING CORPORATION

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DIAMOND DRILL CORE LOG

Date: 20 AUG 81

Hole Number: FAGA 062

Reference Fabric Orientation Diagram:

Project: GRUM RELOG

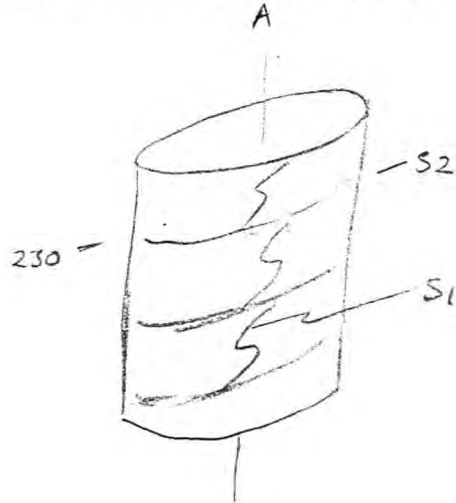
Location: SECT 70 W

Claim: GRUM 3

U.T.M
Terr. Plane
Co-ords.: 6904868.1 N

592347.4 E

Grid
Co-ords: _____



All symmetry determinations looking

Elevation: 1279.8 M.

NW with S2 dipping

Total Depth: 998' FT.

SW with dip azimuth 230°.

Purpose: GRUM SURFACE HOLE

Reason hole
Terminated: ASSUMED MINERALIZATION DRILLED

Logged by: D.S.J & J.G.S

Date(s) Logged: 20 AUG 81

Drilling
Contractor: - 90° SECT 70 E

Size	CORE From	To	Collar Cased and Capped: _____
<u>TRI</u>	<u>0</u>	<u>59'</u>	
<u>BQ</u>	<u>59</u>	<u>998</u>	

Hole
Cemented: YES

Steel down
hole: _____

Started: Nov 26/74 Completed: DEC 7/74

1979 Hired
Drillhole Survey

DDH F.A.G.A.062

Cyprus Anvil Mining Corp.

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IN FEET

Lithologic Log

Date: 20 AUG 81 Logged By: DST JGSFEET

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	10	10	0	15	9	0				1011	*	OB.
L	15	9	0	11	2	1	0			1012	5B01	Fe Mg Carb.
L	11	2	1	0	11	2	2	0		1013	5D06	
L	11	2	2	0	11	3	5	0		1014	5B01	Fe Mg Carb
L	11	3	5	0	11	4	7	5		1015	5D04*	Dol. NIG FUSCH
L	11	4	7	5	11	5	8	0		1016	5B02	Fe Mg Carb.
L	11	5	8	0	11	7	1	0		1017	4A10	ROUNDED CORE (4L4) 1' REC FOR 12' FAULT.
L	11	7	1	0	11	7	5	0		1018	5B062	
L	11	7	5	0	11	7	7	0		1019	5D04*	ANK.
L	11	7	7	0	11	8	3	0		110	5B01	Fe Mg Carb.
L	11	8	3	0	11	8	5	0		111	5B01	LOST CORE POSS FAULT
L	11	8	5	0	12	1	7	4		112	5B03	210-216 LOST CORE
L	12	1	7	4	12	2	7	0		113	5D03	
L	12	2	7	0	12	3	9	3		114	5D04*	ANK.
L	12	3	9	3	12	4	4	0		115	5B064	243-244 GOUGE + 4L.
L	12	4	4	0	12	5	1	0		116	4E41	POOR REC. 2.5' and 6' RUGBY CORE
L	12	5	1	0	12	6	1	5		117	5B06	BRKN core gouge 5.5' rec / 5 10.5'
L	12	6	1	5	12	6	2	0		118	4L41	
L	12	6	2	0	12	6	6	0		119	5D04*	ANK. 2.5' / 4'
L	12	6	6	0	12	6	7	0		120	5D04*	FAULT GOUGE NIL/ATT. / 243-267 / <u>MAJ. FAULT</u>
L	12	6	7	0	12	6	8	3		121	4L74	
L	12	6	8	3	12	7	7	0		122	4E41	Breccia Py Frag A in splnd. gal matrix (4E48)
L	12	7	7	0	12	7	8	0		123	4L21	GOUGE NIL/ATT
L	12	7	8	0	12	7	9	5		124	4L21	
L	12	7	9	5	12	8	0	7		125	4L21	GOUGE NIL/ATT
L	12	8	0	7	13	0	5	0		126	5B01	Fe Mg Carb
L	13	0	5	0	13	1	8	0		127	5D04*	DOL NIL FUSCH. 2' core 308-315' F?
L	13	1	8	0	13	2	2	0		128	5B01	Fe Mg Carb
L	13	2	2	0	13	3	7	4		129	5B038	
L	13	3	7	4	13	3	8	8		130	5B031	
L	13	3	8	8	13	4	9	3		131	5B038	
L	13	4	9	3	13	5	0	7		132	5D04*	Dol.
L	13	5	0	7	13	7	4	5		133	5B038	
L	13	7	4	5	13	8	5	4		134	5B031	
L	13	8	5	4	13	8	7	8		135	5B01	Fe Mg Carb.
L	13	8	7	8	13	8	8	5		136	5D04*	DOL.

DDH F.A.G.A.0.6.2
2 8Cyprus Anvil Mining Corp.
Lithologic LogPage 4 of 11Date 20 AUG 81 Logged By: DST JGS

Core Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	1388	5	1397	2	1	1	37	5B2			Fe Mg Carb	
L	1397	2	1401	5	1	1	38	5B2			Fe Mg Carb Incip gouge ? FAULT?	
L	1401	5	1415	2	1	1	39	5B20			wkly Calc.	
L	1415	2	1416	1	1	1	40	5E4				
L	1416	1	1416	8	1	1	41	5D4*			Gouge + Fusch.	
L	1416	8	1418	5	1	1	42	4E0			Brecciated Core.	
L	1418	5	1420	0	1	1	43	4E42				
L	1420	0	1420	8	1	1	44	4A0				
L	1420	8	1427	0	1	1	45	4E0			(4E0 Porous 4C0)	
L	1427	0	1432	5	1	1	46	4A0				
L	1432	5	1434	0	1	1	47	4E0			Gouge + RUBBLE ATT/NIL	
L	1434	0	1434	5	1	1	48	4E0				
L	1434	5	1435	3	1	1	49	4L2				
L	1435	3	1436	2	1	1	50	4L4			10 Q 0	
L	1436	2	1441	3	1	1	51	4E4			Non Calc (4E0)	
L	1441	3	1442	8	1	1	52	4E0			BRECC	
L	1442	8	1446	0	1	1	53	4G4				
L	1446	0	1454	5	1	1	54	4E4			(4E4 Por) (4G4) 446-448.5 BRECC.	
L	1454	5	1467	0	1	1	55	5A9			(4A0)	
L	1467	0	1476	0	1	1	56	5A9			Gouge & Broken Core 9' 3.5' REC FAULT?	
L	1476	0	1483	6	1	1	57	5B62				
L	1483	6	1490	5	1	1	58	5B62			Gouge FAULT MASS.	
L	1490	5	1491	6	1	1	59	5B2			(5A0)	
L	1491	6	1492	8	1	1	60	5B26			(5A0) Gouge NIL/ATT SHALLOW FAULT!	
L	1492	8	1496	0	1	1	61	5B26			Sheared - 11 S2 483.6-491.5 MAJ FAULT	
L	1496	0	1497	5	1	1	62	5B26			Gouge 11 S2 hard Contact ZONE	
L	1497	5	1504	0	1	1	63	5A0			(5B2/6)	
L	1504	0	1510	8	1	1	64	5B6			(5B2/6)	
L	1510	8	1510	8	1	1	65	5B6			Gouge NIL/ATT	
L	1510	8	1518	0	1	1	66	5B6				
L	1518	0	1518	5	1	1	67	5B6			Gouge NIL/AT	
L	1518	5	1520	8	1	1	68	5B6				
L	1520	8	1521	1	1	1	69	5B6			Gouge NIL/AT ? 11 S2	
L	1521	1	1523	0	1	1	70	5B6				
L	1523	0	1523	4	1	1	71	5B6			Gouge 11 S2	
L	1523	4	1530	4	1	1	72	5B6				

Code	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	15130	4	15131	0	1	1	1713	5B16				GOUGE 1/52
L	15131	0	15145	0	1	1	1714	5B163				v.wkly Calc not 580
L	15145	0	15146	8	1	1	1715	4L10				
L	15146	8	15148	0	1	1	1716	4L14				
L	15148	0	15153	6	1	1	1717	4L10				(4L2) (504* ANK)
L	15153	6	15154	0	1	1	1718	5B16				
L	15154	0	15154	6	1	1	1719	5B16				GOUGE NIL/AT
L	15154	6	15158	5	1	1	1810	5B16				
L	15158	5	15159	9	1	1	1811	5B16				GOUGE NIL/AT PROB 1/52
L	15159	9	15160	5	1	1	1812	5B16				
L	15160	5	15161	2	1	1	1813	5B16				GOUGE NIL/AT
L	15161	2	15167	0	1	1	1814	5B16				
L	15167	0	15171	0	1	1	1815	5B16				GOUGE 2' d 4' REC.
L	15171	0	15176	1	1	1	1816	5B16				
L	15176	1	15177	5	1	1	1817	5B16				GOUGE UP CONT. 1/52 h.c. IND
L	15177	5	15182	8	1	1	1818	4A14				BRECCIA Δ Py in carb matrix
L	15182	8	15183	0	1	1	1819	4E10				
L	15183	0	15184	0	1	1	1910	4A10				
L	15184	0	15190	3	1	1	1911	4E10				
L	15190	3	16102	3	1	1	1912	4A10				
L	16102	3	16107	0	1	1	1913	4E10				(4C0) BRECCIA
L	16107	0	16111	5	1	1	1914	4A10				NB → SUMP BRECC 577.5 - 607. NON BRECC 610.5 - 611.5 4E0
L	16111	5	16115	0	1	1	1915	5B16				(586/2)
L	16115	0	16115	5	1	1	1916	5B163				v.wkly Calc NOT 580
L	16115	5	16160	0	1	1	1917	4L10				(657.5 - 659 4L2)
L	16160	0	16161	0	1	1	1918	5B162				GOUGE UC INT h.c. 1/52
L	16161	0	16183	5	1	1	1919	5B16				(586/2)
L	16183	5	16185	5	1	1	1010	5D14*				DOL Fusch < 1%
L	16185	5	16196	5	1	1	1011	5B162				(586)
L	16196	5	16197	5	1	1	1012	5B16				GOUGE u/c 30°/320 h.c. IND.
L	16197	5	16199	7	1	1	1013	5B162				
L	16199	7	17102	0	1	1	1014	5B164				3(4L0)
L	17102	0	17116	2	1	1	1015	4L10				(10Q0)
L	17116	2	17117	0	1	1	1016	4E148				
L	17117	0	17118	7	1	1	1017	4L14				
L	17118	7	17230	0	1	1	1018	4L10				

DDH F.A.G.A.06.2
2 8

Cyprus Anvil Mining Corp.

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Lithologic Log

Date: 20 AUG 81 Logged By: DSJ - JGS

Core No.	From				To				Recov.	No.	Unit	Description
	10	14	16	20	22	24	26	28				
L	17230		17235					11	109	4L24		
L	17235		17345					11	110	4L01	(4L2)	
L	17345		17455					11	111	5B12		
L	17455		17650					11	112	5A01		
L	17650		17773					11	113	5B14	1/2 (4L0)	
L	17773		17778					11	114	5B16	GOUGE F. NIL/AT	
L	17778		17786					11	115	5B16		
L	17786		17788					11	116	5B16	GOUGE NIL AT	
L	17788		17920					11	117	4L01	(4L2/4) 790-792	
L	17920		17970					11	118	5B26	GOUGE INT 1152	
L	17970		18018					11	119	4L29		
L	18018		18050					11	120	5B12	1/4	
L	18046		18062					11	121	4E41		
L	18062		18067					11	122	4L01		
L	18067		18080					11	123	5A91	(4A0)	
L	18080		18140					11	124	4A01	BRECC + QU low grade	
L	18114		18115					11	125	4C01		
L	18115		18160					11	126	4L24		
L	18116		18290					11	127	4L21	Hematite veinlet (SD4*) ANA (Fusch) <u>NOT</u> 446	
L	18290		18600					11	128	4E48		
L	18610		18760					11	129	4L10	(4L2)	
L	18760		18825					11	130	4A01	RUBBLEY CORE 1.5' FOR INT.	
L	18825		18853					11	131	5B16	BKN CR. 2' REC	
L	18853		18850					11	132	4L01	GOUGE 0.5' REC ONLY NIL/AT.	
L	18810		18916					11	133	4L21	895-896 ZNC GOUGE NIL AT.	
L	18960		19210					11	134	5D14*	DOL. [SC4* DOL] <u>No</u> FUSCH.	
L	19210		19525					11	135	4L72	1/9	
L	19525		19575					11	136	5B16	GOUGE FAULT 1.5' REC	
L	19575		19630					11	137	5B126	(5A0)	
L	19630		19670					11	138	5B16		
L	19670		19672					11	139	5B16	GOUGE 1152	
L	19672		19675					11	140	5B16		
L	19675		19729					11	141	4A01		
L	19729		19745					11	142	4C01		
L	19745		19756					11	143	4A01		
L	19756		19795					11	144	4C01	LAST 2.5' BRECC	

DDH FAGA062
2 Feet 8

Cyprus Anvil Mining Corp.

Page _____ of _____

Structural Log

Date: _____ Logged By: _____

Code	From		To		Feature	SYE	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	44	
F	1580		1710		RPF	1								
F	1830		1850		PF?									
F	2100		2160		N									
F	2430		2440		G									
F	2440		2510		PR	4								
F	2510		2615		BG	5								
F	2430		2670		G3F									
F	277		278		G									
F	2795		2807		G									
F	308		318		P	2								
F	3972		4015		IG									
F	4161		4168		G									
F	4168		4185		X									
F	4325		434		ER									
F	4413		4428		D?									
F	4460		4485		D?									
F	4670		4760		GB	4								Thrust - steep S ₂ above
F	4836		4905		G3F									
F	4916		4928		G									Shallow fault
F	4928		4960		S				99	99	99			
F	4960		4975		G						99	99	99	
F	4836		4975		S3F									
F	5100		5108		G									
F	518		5185		G									
F	5208		5211		G									11S ₂ ?
F	5230		5234		G				99	99	99			
F	5304		5310		G				99	99	99			
F	5540		5546		G									probably 11S ₂
F	5585		5599		G									
F	5605		5612		G									
F	5670		5710		GP	5								
F	5761		5775		G				99	99	99			
F	5775		5828		X									
F	5775		6070		D									
F	6600		6610		G						99	99	99	
F	6965		6975		G		30	320						in log as 30/320 check if correct

DDH FAG A062
2 8
 FEET

Cyprus Anvil Mining Corp.
 Structural Log

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Date: 21 AUG 81 Logged By: DSJ JGS

Code	From				To				Feature	E S	S ₀		S ₁		S ₂		Description
	10	14	16	20	22	24	26	28			Dip	Direct.	Dip	Direct.	Dip	Direct.	
S				1615	C/S	Z								70	230		
S				1730	C/S	Z								65	230		
S				1815	C/S	Z								65	230		
S				1880	C/S	Z								70	230		
S				1970	C/S	S								65	230		
S				11025	C/S	S								60	230		
S				11085	C/S	Z								70	230		
S				11165	C/S	Z								70	230		
S				11225	C/S	Z								70	230		
S				11280	C/S	S								75	230		
S				11345	C/S	S								75	230		
S				11485	C/S	S								75	230		
S				11535	P/S									65	230		
S				11750	C/S	S								75	230		
S				11885	C/S	S								70	230		
S				11980	C/S	S								70	230		
S				21030	C/S	S								70	230		
S				21100	P/S									70	230		
S				21170	P/S									60	230		
S				21300	P/S									70	230		
S				21400	P/S									65	230		
S				21590	P/S									65	230		
S				21880	P/S									70	230		
S				31000	P/S									70	230		
S				31210	C/S	Z								50	230		
S				31410	C/S	Z								65	230		
S				31600	C/S	S								70	230		
S				31800	C/S	S								70	230		
S				31910	C/S	E								70	230		
S				41110	C/S	S								80	230		
S				41390		R								85	230	BANDING 4 G.	
S				41530		R								60	230	"	
S				41570	P/S									40	230	STEEP S ₂ to 467.0'	
S				41765	P/S									85	230	FLOORED BY GOUGH THRUST ? P	
S				41970	C/S	Z								50	230		
S				51100	C/S	Z								65	230		

ASSAY LOG (SAMPLER'S COPY)

Date Aug 21, 81

Sampled by _____

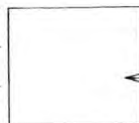
CODE	FROM		TO		SAMPLE		INTR.		REC (m)		UNIT		DESCRIPTION
	10	14	16	20	22	26	28	30	32	34	36	40	
P	115	180	117	110	979	93	113	0	12	4	14A	01	(4L4) No core 12'?
P	121	140	125	110	979	94	17	0	12	4	14E	41	
P	126	183	127	133	979	95	15	0	15	0	14E	41	
P	217	133	217	170	979	96	13	7	3	7	14E	41	
P	217	170	218	07	979	97	13	7	3	6	14L	12	
P	141	168	142	00	979	98	13	2	13	2	14E	01	4E4/2
P	142	00	142	170	979	99	17	0	17	0	14E	01	(4A0)
P	142	170	143	25	980	00	15	5	15	3	14A	01	
P	143	25	143	62	980	01	13	3	13	3	14E	01	(4L2) Geo
P	143	62	144	13	980	02	15	1	15	1	14G	41	
P	144	13	144	60	980	03	14	7	14	0	14G	41	(4E0)
P	144	60	145	00	980	04	14	0	14	0	14E	41	
P	145	00	145	45	980	05	14	5	14	5	14E	41	
P	151	75	151	828	980	06	15	3	15	0	14A	41	A BRECCIA
P	151	828	151	903	980	07	17	5	17	5	14E	01	4A0
P	151	903	151	963	980	08	16	0	16	0	14A	01	
P	151	963	160	123	980	09	14	0	14	0	14A	01	
P	160	123	160	170	981	10	14	7	14	7	14E	01	
P	160	170	161	115	981	11	14	5	14	0	14A	01	
P	165	115	166	100	981	12	18	5	18	5	14L	01	
P	171	170	172	35	981	13	16	5	16	5	14L	04	2
P	180	146	180	67	981	14	14	1	20		14E	41	4L0
P	180	67	181	158	981	15	19	1	36		14A	01	(4C0)
P	181	158	181	223	981	16	16	5	65		14L	02	
P	181	223	181	290	981	17	16	7	67		14L	02	
P	181	290	181	360	981	18	17	0	70		14E	48	
P	181	360	181	420	981	19	16	0	60		14E	48	
P	181	420	181	480	981	20	16	0	60		14E	48	
P	181	480	181	540	981	21	16	0	60		14E	48	
P	181	540	181	600	981	22	16	0	60		14E	48	

DIAMOND DRILL RECORD

LOGGED BY _____

D.D.H. No. A - 62 PAGE 2 of 13

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



CLAIM No. _____
 DIRECTION AND DISTANCE FROM
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
216.0	244.0	QUARTZ-SERICITE PHYLLITE. Bleached Buff															
		70% qtz. Siliceous and hard rock. 75% bleached to buff color.	19.0/ 22.0		216.0	238.0											
		Banding disappears with depth and becomes massive rock. Many fractures and tension gashes, all filled with qtz and tan carb.	3.6/ 4.0			242.0											
		Shear with breccia + gouge in last 2' in contact with sulphs below Negl. minute py, no PbZn noted.	0.6/ 2.0			244.0											
		C.A.: 50 at 216 - 219'; 60 to 225'; 55 to 233'; 45 to 235'; 55 to 238'; 60 at 239'; 80 shear at 240'; 70 at 241'.															
244.0	281.1	SULPHIDE ZONES IN QUARTZ-SERICITE PHYLLITE SHEAR ZONE	0.9	985	244.0	248.0	4.0	2.10	2.40	.85			8.40	9.60	3.40		
		Mainly two bands of massive pyritic PbZn sulphs occupying the upper and lower part of the shear zone.	0.6	986	251.0	3.0	11.13	9.51	4.47				33.39	28.53	14.41		
		244 - 248.0': 40% py with barite-qtz, negl PbZn, fractured, possibly sheared; poor core recovery	1.3/ 7.0			258.0											
		- 251.0': as above, 50 py, 10 PbZn, poor core recovery	5.4/ 8.0			266.0											
		- 261.0': grey aft'd ser-phy, mod. shearing, negl py, broken core.	0.6/ 1.0			267.0											
		- 265.7': buff alt'd ser-phy, sheared + brecciated broken core															
		- 267.8': fault gouge	3.0	987	270.5	3.5	7.53	6.48	2.71				26.355	22.689	4.85		
		- 268.3': qtz-ser-sulphs, 35 py, 6 PbZn, partly brecciated															
		- 270.0': mass sulphs with bar + sulph breccia re-cemented by sulphs. 55-60 py, 10 PbZn, lower and porous	6.4	988	277.0	6.5	9.93	6.24	3.35				64.545	40.562	1.775		
		- 275.8': mass sulph breccia, re-cemented by sulphs, 65 py, 10 PbZn	3.4	989	280.6	3.6	.62	.78	.26								
		- 277.0': qtz-ser with solid bands Py, PbZn 45 py, 8 PbZn	0.4/ 0.5			281.1											
		- 280.6': qtz-ser, buff with minor sulphs, 1 py, 0.3 PbZn highly sheared, breccia + gouge.			244.0	251.0	7.0	5.97	5.45	2.54	wt. av.		41.79	38.13	17.81		
		- 281.1': qtz-ser buff.			267.0	277.0	10.0	9.09	6.32	3.13			90.9	63.24	31.26		

DIAMOND DRILL RECORD

LOGGED BY _____

D.D.H. No. A - 62 PAGE 9 of 13

 PROPERTY _____
 LATITUDE _____ BEARING OF HOLE _____ STARTED _____
 DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____
 ELEVATION _____ DIP TESTS _____ DEPTH Ultimate: _____


CLAIM No. _____

DIRECTION AND DISTANCE FROM _____

NE. CLAIM POST _____

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet				
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
734.8	742.0	QUARTZ-SERICITE PHYLLITE. Light Grey 60% qtz. Thinly laminated. Fl poor. C.A. 65 - 70°.	6.6/ 7.2		734.8	742.0											
742.0	765.0	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Med to Dark Grey 60% qtz. Thinly laminated and banded. Local Fl poor. Graph in- creas from 4% to 15% at 762' then to 40% in last foot. Fissile from 746 - 765'. C.A.: 70 to 744'; F2 fold 744.3'; 65 at 745'; 75 to 765.0'.	10.0/ 10.0 0.5/ 10.0 1.7/ 3.0		742.0	752.0 762.0 765.0											
765.0	778.8	QUARTZ-SERICITE PHYLLITE Altered Buff-Grey 65% qtz. Thinly foliated med. grey ser with minor buff ser. C.A.: 70 at 766'; 60 at 767'; 70 - 75 to 775'; highly contorted at 775 - 778'.			765.0												
778.8	829.9	QUARTZ-SERICITE PHYLLITE. Bleached Buff with Minor Sulphides Ser bleached to buff color except two highly sheared and brecciated bands at 792 - 797' graphitic and schistose, also at 805.6 - 813.5' brecciated and silicified grey phy with minor py, PbZn. 779 - 802' talcy and soft. 1 - 3 py, negl PbZn except between 804.6 - 805.8' and at 819 - 819.4' = 6 PbZn. 821.5 - 829.9 = 10 - 15 Py, no PbZn C.A.: 65 at 779'; 80 at 782 - 791'; 65 - 70 at 792 - 797'; 65 to 800' (sheared) 70 - 75 to 802' (sheared); 65 - 60 to 804';	3.3/ 4.7 1.8/ 8.5 1.3/5 4.9/5 2.6/ 2.6 4.0 4.1 2.0 10/10 3.9	1172 1173 1174 1175	778.8	783.5 792.0 797.0 802.0 804.6 808.6 813.5 816.0 826.0 829.9	4.0 4.9 2.5 3.9	3.75 .04 .06 .10	4.50 .14 .48 .14	.94 .03 .72 .03							

DIAMOND DRILL RECORD

LOGGED BY _____

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



D.D.H. No. A - 62 PAGE 12 of 13
 CLAIM No. _____
 DIRECTION AND DISTANCE FROM
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	Rec. Ft.	Sample No.	Footage		Sample Length	Assay					Assay x Feet		
FROM	TO				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
921.5	954.0	QUARTZ-SERICITE-BIOTITE PHYLLITE. Bleached with Minor Sulphides 60% qtz, 3 - 5% brown mica confined within 926 - 946.5'. Color buff with brown bands or streaks. Overall, 2 - 3% py, but bands up to 0.4' contain up to 35% py. Odd spot pyrr, splashes chalco here and there. The best PbZn mineralization occur at 922 - 935' and 941.7 - 952.6, approx 0.25% PbZn. C.A.: 55 at 922 - 925'; 70 at 926 - 930'; shear 40 at 931'; 50 at 932'; 40 at 934'; 50 at 938'; 60 at 941 - 947'; 65 at 948 - 953'.	28.7/ 29.5		921.5	951.0									
954.0	968.7	QUARTZ-SERICITE + GRAPHITE PHYLLITE. Med. and Dark and Black 60% qtz. Banded in sericitic sections and thinly foliated in graph sections. Graphitic phy very fissile. 954.0 - 957.0': fault with gouge, light grey sericite 963.5': graphitic, highly sheared. 967.5 - 968.5': fault? gouge and brecciated C.A.: 40 at 956'; 50 at 958'; 85 at 962'; 85 - 80 to 968'.	1.2/ 3.5		954.0	957.5									
			0.9/ 4.5			962.0									
			5.1/ 6.7			968.7									
968.7	980.6	SULPHIDE ZONE IN QUARTZ-SERICITE PHYLLITE 60 - 70% qtz, highly siliceous to 977.7. Light grey ser. Banded pyritic sulphs with bands ZnPb rich bands. Main PbZn section at 972.3 - 977.7 - 25 Py, 8 - 10 PbZn, 0.2 Cu; chiefly py with minor Cu at 968.7 - 972.3 - 30 Py, 0.2 PbZn, 0.1 Cu; sulph breccia and sericitic phy at 977.7 - 980.6 - 30 py, 0.1 PbZn C.A.: 90 - 80 at 969'; 80 - 75 to 977'; 75 at 980'.	3.3	1182	968.7	972.3	3.6	.23	.24	.24					
			5.2	1183		977.7	5.4	2.50	1.38	1.03					
			2.8	1184		980.6	2.9	.27	.62	.24					

DDH: FAGA062 -- 42 DEGREE PROFILE

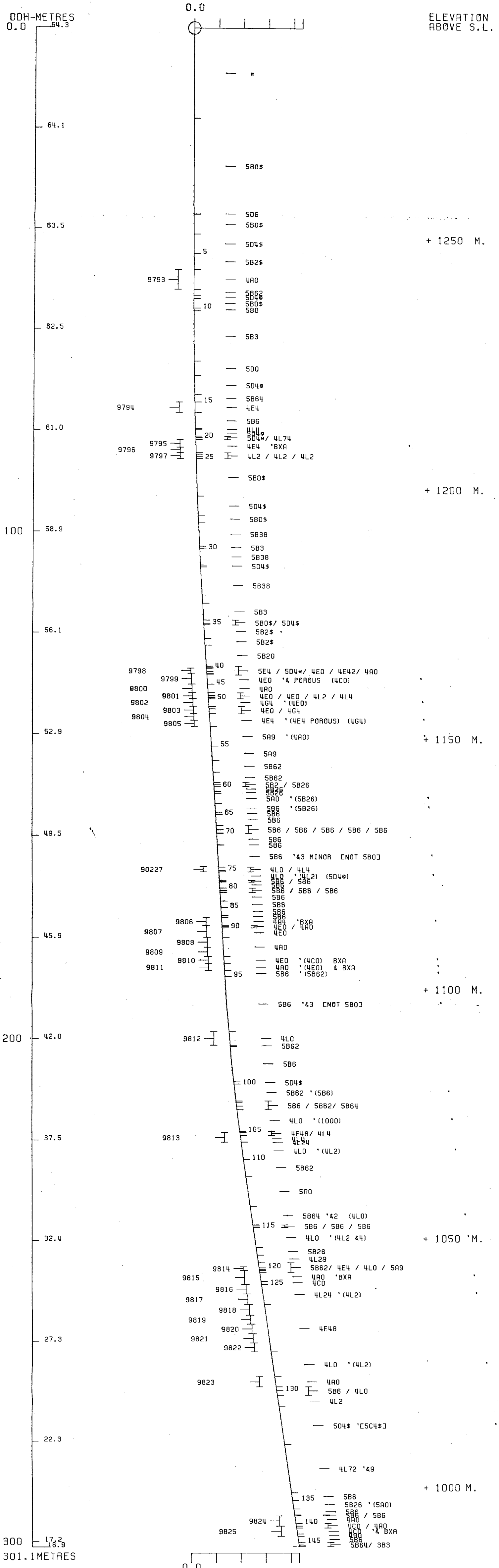
(VIEW AZIMUTH = 312 DEGREES)

ELEV:1280 592347E ; 904868N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 436.0 Z = 1292.3

SECTION NAME: 68W



DDH: FAGA062 -- 42 DEGREE PROFILE

(VIEW AZIMUTH = 312 DEGREES)

ELEV: 1280 592347E ; 904868N

PLUNGE ANGLE IS 11.0 TREND ANGLE IS 312.0

CORRECTED COLLAR POSITION: X = 436.0 Z = 1292.3

SECTION NAME: 68W

